Construction Certification Report
North Cell, Class I,
Phase IV Expansion
Tomoka Farms Road Landfill
Volusia County, Florida

Volume 1 of 2

Submitted for:

Volusia County Solid Waste
3151 East New York Avenue
DeLand, Florida 32724
(904) 943-7889

Submitted by:

SCS Engineers
555 West Granada Blvd.
Suite E4
Ormond Beach, FL 32174
(904) 673-6730

April 17, 1999
File No. 0995039.27

Florida Department of Environmental Protection
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, FL 32399-2400

DEP Form # 62-701.900(2)
Form Title Certificate of Construction Completion
Effective Date May 19, 1994
DEP Application No. (Filled by DEP)

Certification of Construction Completion of a Solid Waste Management Facility

RECEIVED MAY 1999 D.E.P. CENTRAL DISTRICT

DEP Construction Permit No.: SC64-218367 County: Volusia

Name of Project: Tomoka Farms Road Landfill – Phase IV

Name of Owner: Volusia County

Name of Engineer: SCS Engineers

Type of Project: Approximately 30 acre Class I disposal expansion

Cost: Estimate $ N/A Actual $ N/A

Site Design: Quantity: 1000 Ton/day Site Acreage: 50 Acres

Deviations from Plans and Application Approved by DEP Please refer to the attached Construction Certification Report for deviations from plans and Application

Address and Telephone No. of Site: 1990 Tomoka Farms Road
Daytona Beach, Florida 32114

Name(s) of Site Supervisor: Bill Gilley

Date Site inspection is requested: As soon as possible, please contact Bill Gilley (904) 943-7889

This is to certify that, with the exception of any deviation noted above, the construction of the project has been completed in substantial accordance with the plans authorized by Construction

Permit No. SC64 – 0078767-002 Dated: February 25, 1998

Date: 12 May 99

Signature of Professional Engineer

LEE A. POWELL CERTIFICATE 52992 STATE OF FLORIDA 12 May 99

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SECTION 1
INTRODUCTION

1.1 CONSTRUCTION PERMIT

The North Cell, Class I, Phase IV project at the Tomoka Farms Road Landfill was constructed under FDEP permit number SC64-218367. A copy of the permit is contained in the Phase I and V report.

1.2 CONTACT LIST

Work conducted at the site was performed by the following:

Engineer of Record:
SCS Engineers
(904) 673-6730
Lee Powell, P.E.
555 West Granada Blvd. Suite E-4
Ormond Beach, Florida 32174

Soil Testing:
Universal Engineering Sciences
(904) 756-1105
Sheila M. Smith
911 Beville Road, Suite 3
South Daytona, Florida 32119

Surveying:
Blackwell & Associates Land Surveyors, Inc.
(904) 734-8050
Mike Ruskin
995 W. Volusia Ave
Deland, Florida

Geomembrane:

Comanco Environmental Corporation

(813) 988-8829

T.R. Johnson

7911 Professional Place

Tampa, Florida 33637

Independent Conformance Testing:

TRI/Environmental, Inc.

(512) 263-2101

Sam Allen / Martin Nelson

9063 Bee Caves Road

Austin, Texas 78733-6201

SECTION 2

PLANS AND SPECIFICATIONS

2.1 PERMIT SPECIFICATION DEVIATIONS

The following modifications or clarifications were implemented during construction. It is the professional opinion of SCS that the changes do not significantly impact the original permitted concept or design. The modifications or clarifications are listed below:

1) The county deleted from the project the four berms with HDPE liner welded to the primary liner and the 14 removable blind flanges originally planned in the leachate collection lateral pipes. The Phase I and V report contains a letter to FDEP dated March 18, 1998 outlining this deletion and the reasons for it.
2) Fusion welded, HDPE pipe was used for above ground leachate piping because of HDPE's ability to resist corosion.
3) The 8-inch pipe carrying leachate from the landfill to the leachate basins and the 8-inch pipe carrying leachate from the basins to the landfill were constructed of fusion welded, solid wall HDPE pipe. These pipes were each placed inside 200-foot long, 24-inch diameter casing pipes. The casing pipes were smooth wall, corrugated HDPE pipes with welded joints to contain leakage from the carrier pipe.
4) Only one leachate basin pump was installed under this phase.

2.2 AS-BUILT DRAWINGS

A record drawing survey of the Phase 4 subgrade is contained in the Phase I and V report.

SECTION 3

CONSTRUCTION OBSERVATION

In accordance with the FDEP approved Construction Quality Assurance (CQA) Plan, Volusia County provided an inspector to be on-site during construction, on a daily basis, to monitor construction activities. The County's inspector checked material specifications, observed all testing, and monitored compliance with permit conditions. A representative from SCS was on-site to observe the various phases of construction as necessary for final certification purposes.

SCS provided full-time field CQA services including observation and testing during the construction of the landfill liner system, including observing and coordination of testing of the liner subgrade, installation of the geosynthetic clay liners, geocomposite drainage layers, HDPE geomembranes, leachate collection piping systems, and initial placement of the two-foot thick sand drainage layer. Section 7 of this report discusses the geomembrane CQA activities in further detail and contains daily field reports pertaining to the geosynthetic installation.

SECTION 4

PRELIMINARY SITEWORK

4.1 SUBGRADE SURVEY

In accordance with the specifications, Blackwell and Associates completed a subgrade survey. The subgrade survey is contained in the Phase I and V report.

4.2 SUBGRADE DENSITY TEST RESULTS AND LOCATION MAP

Universal Engineering Sciences (Universal) conducted in-place field densities of the subgrade compaction. The subgrade was compacted in substantial accordance with the project specifications. The subgrade density test results and a subgrade test location map is contained in Attachment 4-1 in this section. A subgrade approval form signed by the Superintendent for the county and the Project Manager for SCS Engineers is contained in attachment 4-2 in this section.

ATTACHMENT 4-1

SUBGRADE TEST RESULTS AND TEST LOCATION MAP

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Construction Materials Testing • Threshold Inspection

911 Beville Road, Suite 3 • South Daytona, Florida 32119 • (904) 756-1105 • Fax (904) 760-4067

UES Project No. 41011-116-01
UES Report No. 66841
Date: 10/29/98

Report of IN-PLACE DENSITY TESTS

Client: **Volusia County**
123 West Indiana Avenue
Deland, Florida 32720-4262

Attention: Nathan Hunter

Project: **Tomoka Landfill**

Area Tested: North Expansion

Course: Backfill

Type of Test: Field: ASTM D-2937
Laboratory: ASTM D-1557

Date of Test: 10/28/98

irements: **95%** compaction of maximum density.

*Reference: 0 = Top of existing grade

Location of Test	Depth of Test*	Laboratory Test Results: Maximum Density Dry Lbs/CuFt	Laboratory Test Results: Optimum Moisture Percent	Field Test Results: Density Dry Lbs/CuFt	Field Test Results: Field Moisture Percent	Field Test Results: Maximum Density Percent	Field Test Results: Test Pass or Fail
1. Station Location #1	0-12'	108.5	13.1	104.3	11.6	96.2	PASS
2. Station Location #2	0-12'	108.5	13.1	102.2	7.3	94.2	FAIL
3. Station Location #3	0-12'	108.5	13.1	103.8	12.1	95.7	PASS
4. Station Location #4	0-12'	108.5	13.1	100.6	8.0	93.0	FAIL
5. Station Location #5	0-12'	108.5	13.1	108.6	13.4	100.1	PASS
6. Station Location #6	0-12'	108.5	13.1	102.0	7.8	94.0	FAIL
7. Station Location #7	0-12'	108.5	13.1	101.4	11.9	93.5	FAIL

Technician: R. Fought

xc: Jim Griffin; Volusia County Waste
Lee Powell, P.E.; SCS Engineering

Rick G. Kushner, P.E.
P.E. No. 38705
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UES Project No. 41011-116-01
UES Report No. 66878
Date: 11/02/98

Report of IN-PLACE DENSITY TESTS

Client: **Volusia County**
123 W. Indiana Avenue
DeLand, Florida 32720

Attention: Nathan Hunter

Project: **Tomoka Landfill**

Course: Backfill

Type of Test: Field: ASTM D-2937
Laboratory: ASTM D-1557

Date of Test: 10/30/98

Requirements: **95%** compaction of maximum density.

*Reference: 0 = Top of existing grade

Location of Test	Depth of Test*	Laboratory Test Results		Field Test Results			
		Maximum Density Dry Lbs/CuFt	Optimum Moisture Percent	Density Dry Lbs/CuFt	Field Moisture Percent	Maximum Density Percent	Test Pass or Fail
1. Retest of Test #2 from 10/28/98	0-12"	103.5	13.1	103.8	12.6	95.7	PASS
2. Retest of Test #4 from 10/28/98	0-12"	103.5	13.1	104.2	12.0	96.1	PASS
3. Retest of Test #6 from 10/28/98	0-12"	103.5	13.1	103.6	13.4	95.5	PASS
4. Retest of Test #7 from 10/28/98	0-12"	103.5	13.1	105.2	12.4	97.0	PASS
5. Station Location #8	0-12"	103.5	13.1	103.1	13.1	95.1	PASS

Technician: Robert Fought

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UES Project No. 41011-138-01
UES Report No. 66949
Date: 11/06/98

Report
of
IN-PLACE DENSITY TESTS

Client: **Volusia County**
123 W. Indiana Avenue
DeLand, Florida 32720

Attention: Nathan Hunter

Project: **Tomoka Landfill**

Course: Backfill

Type of Test: Field: ASTM D-2937
Laboratory: ASTM D-1557

Date of Test: 11/02/98

Requirements: **95%** compaction of maximum density.

ence: 0 = Top of existing grade

Location of Test	Depth of Test*	Laboratory Test Results: Maximum Density Dry Lbs/CuFt	Laboratory Test Results: Optimum Moisture Percent	Field Test Results: Density Dry Lbs/CuFt	Field Test Results: Field Moisture Percent	Field Test Results: Maximum Density Percent	Field Test Results: Test Pass or Fail
1. Station Location #9	0-12"	108.5	13.1	106.5	14.7	98.2	PASS
2. Station Location #10	0-12"	108.5	13.1	102.8	18.8	95.0	PASS
3. Station Location #11	0-12"	108.5	13.1	104.7	13.9	96.5	PASS
4. Station Location #12	0-12"	108.5	13.1	105.5	12.1	97.3	PASS
5. Station Location #13	0-12"	108.5	13.1	102.6	13.4	95.0	PASS
6. Station Location #14	0-12"	108.5	13.1	105.8	15.5	97.5	PASS
7. Station Location #15	0-12"	108.5	13.1	99.0	14.9	91.6	FAIL
8. Station Location #16	0-12"	108.5	13.1	96.0	14.2	88.0	FAIL
9. Station Location #17	0-12"	108.5	13.1	103.3	13.6	95.2	PASS

Technician: R. Fought

Rick G. Kushner, P.E.
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UES Project No. 41011-138-01
UES Report No. 67020
Date: 11/13/98

Report of IN-PLACE DENSITY TESTS

Client: **Volusia County**
123 W. Indiana Avenue
DeLand, Florida 32720

Attention: Nathan Hunter

Project: **Tomoka Landfill**

Course: Subgrade Fill

Type of Test: Field: ASTM D-2937
Laboratory: ASTM D-1557

Date of Test: 11/10/98

Requirements: **95%** compaction of maximum density.

***Reference:** 0 = Top of existing grade

Location of Test	Depth of Test*	Laboratory Test Results: Maximum Density Dry Lbs/CuFt	Laboratory Test Results: Optimum Moisture Percent	Field Test Results: Density Dry Lbs/CuFt	Field Test Results: Field Moisture Percent	Field Test Results: Maximum Density Percent	Field Test Results: Test Pass or Fail
1. Station Location #18	0-1'	108.5	13.1	101.5	14.7	93.6	FAIL
2. Station Location #19	0-1'	108.5	13.1	108.8	15.9	100.3	PASS
3. Station Location # 21	0-1'	108.5	13.1	106.8	13.6	98.4	PASS
4. Station Location #20	0-1'	108.5	13.1	108.6	16.2	100.0	PASS
5. Station Location #22	0-1'	108.5	13.1	104.4	11.5	96.2	PASS
6. Station Location #23	0-1'	108.5	13.1	105.3	10.6	97.0	PASS
7. Station Location #24	0-1'	108.5	13.1	109.2	15.5	100.7	PASS
8. #1 Retest from 11/10/98	0-1'	108.5	13.1	106.8	13.5	98.4	PASS
9. Station Location #25	0-1'	108.5	13.1	106.7	13.7	98.3	PASS
10. Station Location #26	0-1'	108.5	13.1	108.0	12.3	99.5	PASS
11. Station Location #27	0-1'	108.5	13.1	106.7	13.6	98.3	PASS
12. Station Location #28	0-1'	108.5	13.1	109.0	15.7	100.5	PASS

cc: Mr. Bill Gilley; Volusia County Waste
Mr. Lee Powell, P.E.; SCS Engineering

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UES Project No. 41011-116-01
UES Report No. 67339
Date: 12/15/98

Report of IN-PLACE DENSITY TESTS

Client: Volusia County
123 W. Indiana Avenue
DeLand, Florida 32720

Attention: Nathan Hunter

Project: Tomoka Landfill Leach Pit

Course: Backfill

Type of Test: Field: ASTM D-2937
Laboratory: AATM D-1557

Date of Test: 12/15/98

Requirements: 95% compaction of maximum density.

*Reference: 0 = Top of Existing Grade

Location of Test	Depth of Test*	Laboratory Test Results: Maximum Density Dry Lbs/CuFt	Laboratory Test Results: Optimum Moisture Percent	Field Test Results: Density Dry Lbs/CuFt	Field Test Results: Field Moisture Percent	Field Test Results: Maximum Density Percent	Field Test Results: Test Pass or Fail
1. Station Location #29	0-12"	108.5	13.1	107.0	11.6	98.6	PASS
2. Station Location #30	0-12"	108.5	13.1	106.2	11.4	97.9	PASS
3. Station Location #31	0-12"	108.5	13.1	106.6	10.9	98.3	PASS
4. Station Location #32	0-12"	108.5	13.1	105.2	10.6	97.0	PASS
5. Station Location #32	12-24'	108.5	13.1	104.7	12.1	96.5	PASS
6. Station Location #33	0-12"	108.5	13.1	100.8	12.6	92.9	FAIL
7. Station Location #34	0-12"	108.5	13.1	103.8	11.1	95.7	PASS
8. Station Location #35	0-12"	108.5	13.1	105.8	10.9	97.5	PASS

Technician: R. Fought

cc: Mr. Bill Gilley; Volusia County Waste
Mr. Lee Powell, P.E., SCS Engineering

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UES Project No. 41011-116-01
UES Report No. 67491
Date: 12/29/98

Report of IN-PLACE DENSITY TESTS

Client: **Volusia County**
123 W. Indiana Avenue
DeLand, Florida 32720

Attention: Nathan Hunter

Project: **Tomoka Landfill Leach Pit**

Course: Backfill

Type of Test: Field: ASTM D-2937
Laboratory: ASTM D-1557

Date of Test: 12/24/98

Requirements: **95%** compaction of maximum density.

*rence: 0 = Top of Existing Grade

Location of Test	Depth of Test*	Laboratory Test Results: Maximum Density Dry Lbs/CuFt	Laboratory Test Results: Optimum Moisture Percent	Field Test Results: Density Dry Lbs/CuFt	Field Test Results: Field Moisture Percent	Field Test Results: Maximum Density Percent	Field Test Results: Test Pass or Fail
1. Retest of Test #5 - Station Location #33	0-12"	108.5	13.1	103.7	9.4	95.6	PASS
2. Station Location #36	0-12"	108.5	13.1	104.8	9.2	96.6	PASS
3. Station Location #37	0-12"	108.5	13.1	106.3	10.4	98.0	PASS
4. Station Location #38	0-12"	108.5	13.1	104.1	9.8	96.0	PASS
5. Station Location #39	0-12"	108.5	13.1	105.3	9.6	97.0	PASS

Technician: R. Fought

xc: Mr. Bill Gilley; Volusia County Waste
Mr. Lee Powell, P.E., SCS Engineering

Sheila M. Smith, P.E. 12/30/98
P.E. No. 51512
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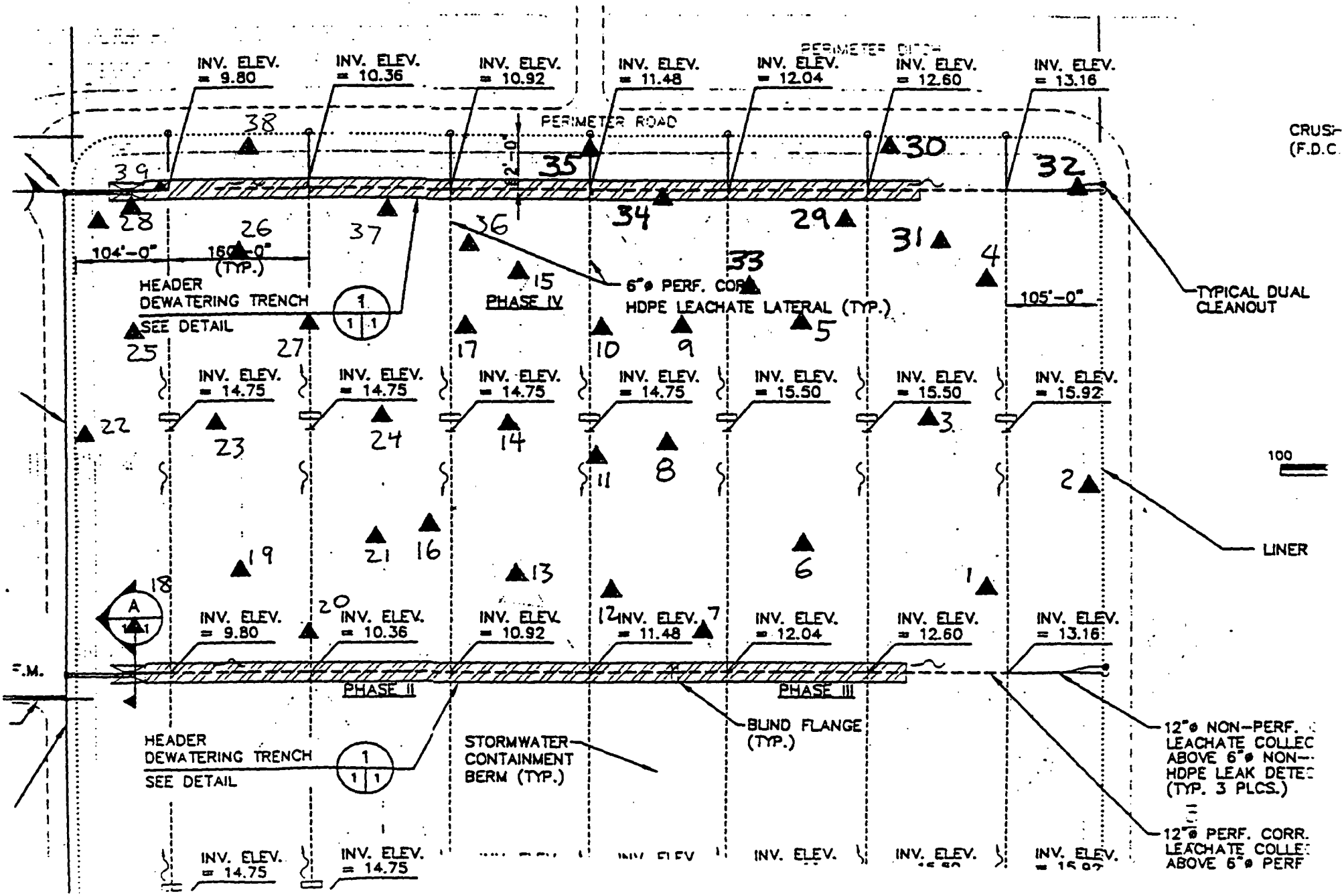
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INV. ELEV. = 10.36
INV. ELEV. = 10.92
INV. ELEV. = 11.48
INV. ELEV. = 12.04
INV. ELEV. = 12.60
INV. ELEV. = 13.16
PERIMETER ROAD
PERIMETER DITCH
CRUSH (F.D.C.
38
39
28
26
37
36
35
34
30
29
31
32
33
4
5
104'-0"
160'-0" (TYP.)
105'-0"
HEADER DEWATERING TRENCH
SEE DETAIL
1
1 1
PHASE IV
6" ø PERF. COR
HDPE LEACHATE LATERAL (TYP.)
TYPICAL DUAL CLEANOUT
25
27
17
10
9
15
INV. ELEV. = 14.75
INV. ELEV. = 15.50
INV. ELEV. = 15.92
22
23
24
14
11
8
3
2
100
LINER
19
21
16
13
6
1
18
A
20
12
7
PHASE II
PHASE III
BLIND FLANGE (TYP.)
HEADER DEWATERING TRENCH
SEE DETAIL
STORMWATER CONTAINMENT BERM (TYP.)
12" ø NON-PERF. LEACHATE COLLEC
ABOVE 6" ø NON-
HDPE LEAK DETEC
(TYP. 3 PLCS.)
12" ø PERF. CORR. LEACHATE COLLE
ABOVE 6" ø PERF

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Project No: 41011-116-01
Report No: 59741
Date: 2-16-98

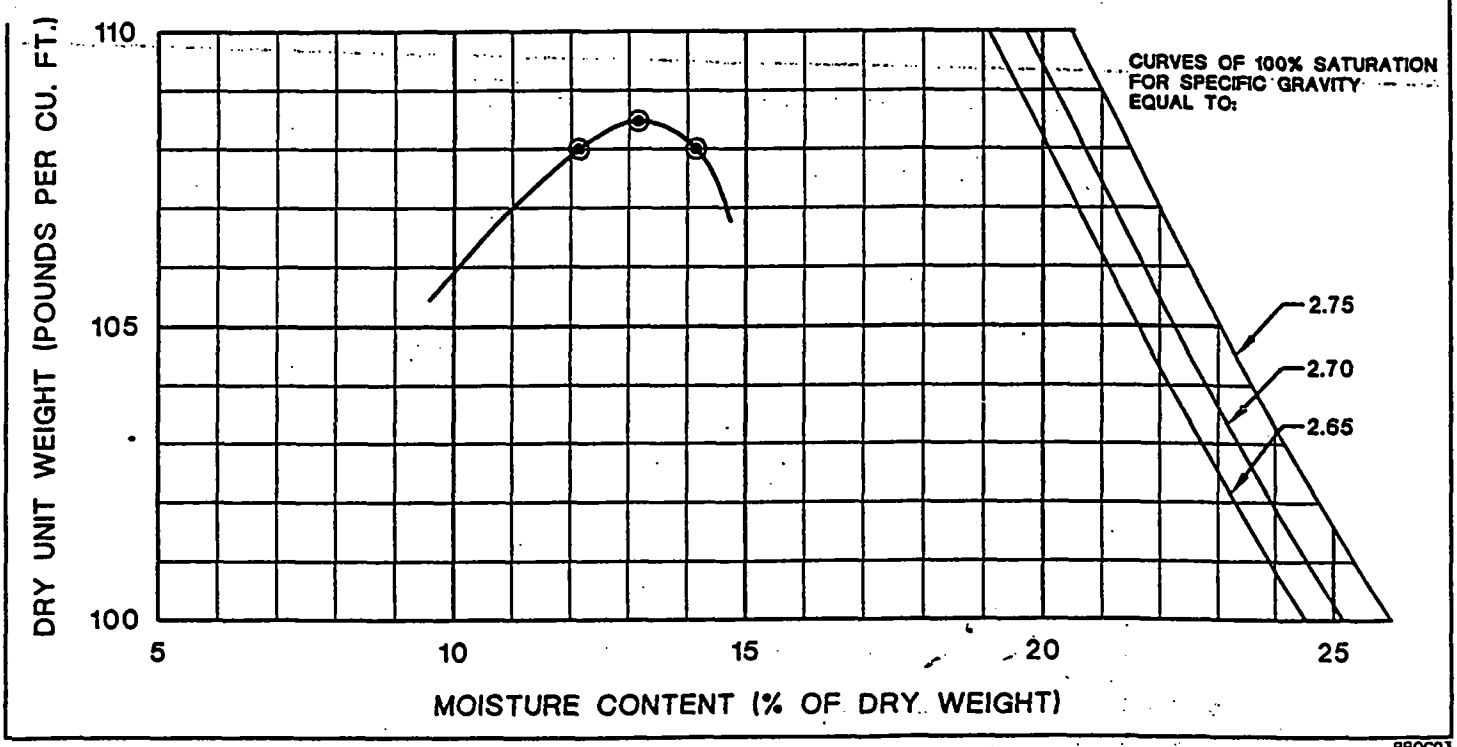
REPORT OF MOISTURE - DENSITY RELATIONSHIP OF SOIL

CLIENT: COUNTY OF VOLUSIA

PROJECT: TOMOKA LANDFILL

LOCATION: NEW CELL AREA COURSE: NATURAL GROUND

SUMMARY OF TEST RESULTS			
TEST METHOD	ASTM D-1557	SOIL DESCRIPTION: DARK BROWN SAND WITH SOME CLAY	
MAX. DRY DENSITY	108.5 pcf		
OPT. MOIST. CONTENT	13.1 %	% MINUS NO. 200 SIEVE	



PROCO3

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Project No: 41011-116-01
Report No: 58653
Date: 9-9-97

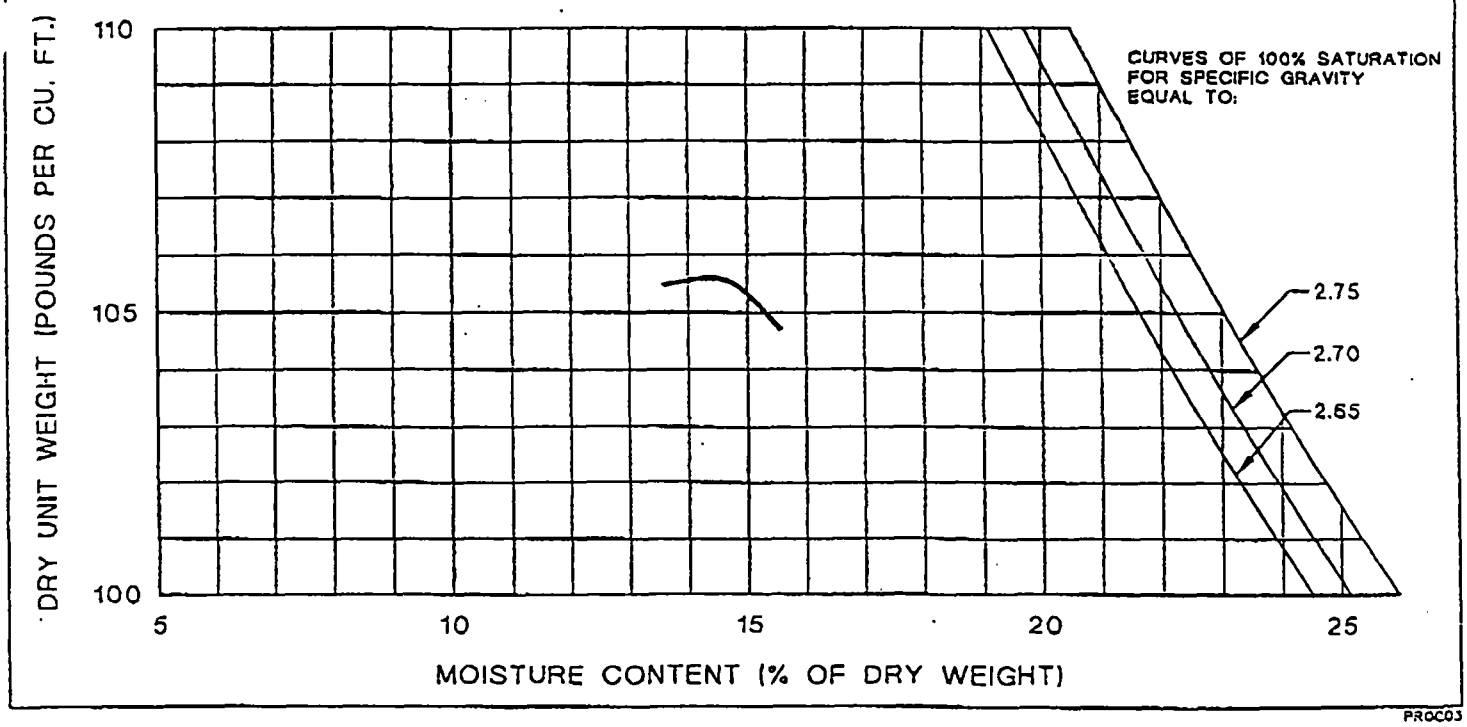
REPORT OF MOISTURE - DENSITY RELATIONSHIP OF SOIL

CLIENT: COUNTY OF VOLUSIA

PROJECT: TOMOKA LANDFILL LEACH PIT

LOCATION: SLOPE/ BASE OF SLOPE COURSE: NATURAL GROUND

SUMMARY OF TEST RESULTS			
TEST METHOD	ASTM D-698	SOIL DESCRIPTION: BROWNISH ORANGE SAND WITH TRACE OF CLAY	
MAX. DRY DENSITY	105.7 pcf		
OPT. MOIST. CONTENT	14.6 %	% MINUS NO. 200 SIEVE	



PROCO3

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P.E. Number 38705
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ATTACHMENT 4-2

SUBGRADE APPROVAL FORM

SHEET 1 OF 1

PROJECT NAME: Tomoka Landfill Expansion
PROJECT NUMBER: 0995039.27
PROJ. LOCATION: Phase IV
CONTRACTOR: Volusia County

SUBGRADE APPROVAL FORM

Volusia County has inspected the subgrade in the area indicated below for conformance with permit and project requirements. The County hereby certifies that the subgrade in the area indicated below meets the project requirements and is adequate for liner construction.

Yes	Subgrade rolled to a smooth surface
Yes	All required geotechnical testing completed
Yes	All compaction tests passed
Yes	As-built survey complete
Yes	No protrusions, sticks, or objects greater than 1/4" on surface
	Other comments as noted: For Entire Phase's Subgrade.

(SKETCH OR DESCRIBE)

If deviations from the requirements listed above are observed, liner installation will be halted in the designated area and repairs will be made prior to liner installation.

Paul Ramin — NAME
Sr Inspector III — TITLE
Paul Ramin — SIGNATURE
5/10/99 — DATE

CERTIFICATION RECEIVED BY SCS

Lee Powell — NAME
Project Manager — TITLE
Lee Powell — SIGNATURE
10 May 99 — DATE

SECTION 5

GEOSYNTHETIC CLAY LINER

5.1 INSTALLATION REPORT

In accordance with the specifications, SCS Engineers monitored the placement of the Geosynthetic Clay Liner (GCL) in the North Cell, Class I, Phase IV expansion. Attachment 5-1 in this section includes panel placement logs for the GCL.

5.2 MANUFACTURER'S QUALITY CONTROL

As part of the project specifications, the manufacturer, Colloid Environmental Technologies Company (CETCO), was required to perform initial conformance tests on the GCL prior to delivery. The conformance tests were conducted by CETCO at the factory at a frequency of one test per every 40,000 square feet of GCL. The results were recorded in certificates for each roll of GCL, and are contained in Attachment 5-2 in this section.

ATTACHMENT 5-1

GCL PANEL PLACEMENT LOGS

SCS ENGINEERS

CLIENT	PROJECT	JOB NO.
SUBJECT	BY	DATE
	CHECKED	DATE

Bentomat Placement Logs - Roll #'s

10/30/98	16394	16253	15884	15850	15872	17210
16348	16251	14531	16099	17456	15821	15620
16370	16390	16229	16112	17464	15497	15494
16337	16362	9706	16106	15485	15476	17397
16367	16405	11919	15769	15877	15514	17556
16411	16278	16332	16107	15483	15513	17557
16368	16365		16095	15783	15635	15494
16403		11/4/98	16066	16110	15509	17555
16338	11/3/98	16635	16113	15855	15715	17215
16400	16658	4146	15849	16041	15655	17607
16409	16664	16270	16127	15777	15511	17206
16334	16387	16631	15883	15948	15639	
16336	13561	14866	16086	17450	15506	11/18/98
16389	16247	16660	16088	16980	15654	17204
16342	16246	16576	15852	17449	15637	17200
16346	16406	13615	16125	15478	15703	17203
16335	16361	16647	16130	15480	15744	17551
16340	16364	16270	16157	15742	15515	17553
16369	16242	16648	15885	15479	15638	17209
16402	16240	16646	15771	16104	15725	17198
16343	16239	4152	15882	15776	15739	17552
16363	9703	16632	16096		15829	17554
16366	16234	16653	16097	11/16/98	15661	17202
16392	16250	3732		15860	15823	17726
16396	16241		11/13/98	15814	15491	17271
16410	16244	11/12/98	15648	15493	15653	17727
16339	16236	16113	17470	15504	15741	17669
16341	16652	16123	17452	15490	15700	17670
	16235	16065	17441	15875		17706
11/2/98	16333	15846	17443	15761	11/17/98	17728
16401	16238	16089	17461	15641	17214	17721
16248	9715	16129	16953	15766	17199	17211
16408	16243	15881	16962	15737	17263	17205
16395	16260	16062	17463	15505	15621	17201
16391	16268	16118	17457	15516	15873	17213

SCS ENGINEERS

CLIENT	PROJECT	JOB NO.
SUBJECT	BY	DATE
	CHECKED	DATE

17207	17137	17691	16079	17473	18036	CM 3331
	17378	15519	15851	17423	18034	CM 3957
11/30/98	17158	17668	16098 clay/mix	CM 3330	18168	CM 3346
17442	17829	17692	4249	CM 4212	18022	CM 3338
17401	17846	17611	CM 4138	CM 4248	11082	CM 3343
17365	17838	18206	CM 4137	CM 4168	18726	CM 3326
17367	17146	No#	CM 4209	CM 4213	18721	CM 3345
17140	17831	15652	CM 4162	CM 4247	18758	CM 3953
17154	17666	15507	CM 4246	CM 4253	17972	CM 3949
17374	17694	15874	CM 4251	CM 3328	11270	CM 3952
17142	17613	15870	CM 4178	CM 3333	18016	CM 3959
17241	17612	15869			17998	CM 3961
17133		17707	12/3/98	12/7/98	17965	CM 3954
17379	12/1/98	18188	17295	18184	17973	CM 3951
17146	15848	15880	17151	18729	18166	CM 3332
17152	15812	15477	18191	11269	18021	CM 3962
17149	17608	17868	18204	17150	18163	CM 3956
17161	15868	17709	18176	18422	18165	CM 3958
17138	18210	17710	18192	18181	18038	CM 3950
17160	15878	18179	18196	17643	18186	CM 3960
17159	17711	15886	18195	17971	11035	CM 3955
17147	18202	15879	17460	18020	11487	CM 3963
17144	18298	15951	17451	18161	18211	CM 3336
17148	18243	15779	17454	11277	18180	
17839	18242	15632	17422	18041	18031	12/8/98
17847	17708	15495	15862	18095	18024	18771
17849	18240	15492	17265	18039	18015	~~18850~~
17689	18289	15876	17254	18028	18162	18715
17442	18217	15724	17458	18027	17970	18712
17688	18209	15510	15871	18718	18019	18714
17837	18241	15760	15651	18035	18167	18824
17843	17690	15854	15496	18168	18727	18825
17867	17379	15482	17476	18800	17139	18757
17610	17137	15636	17448	18177	18013	18405
17840	17665	15828	17459	18037	18012	18017
17687	17712	15778	17445	18720	CM 3335	18029

SCS ENGINEERS

CLIENT	PROJECT	JOB NO.
SUBJECT	BY	DATE
	CHECKED	DATE

18764	18014	18808	19046	17058	17996	19361
18446	11029	17988	19067	17992	18154	19358
11025	10659	18025	19204	17982	17956	19417
18431	11280	17986		18008	17940	19198
18428	18401	17990	12/29/98	19058	18000	19343
18452	18010	17982	19068	19024	19232	19360
18768	18400	18806	19066	17997	17950	19467
18030	18403	18807	19057	No #		19595
18766	18430	17981	19043	No #	1/12/99	19382
18033	18754		19037	18970	19426	
18439		12/22/98	19038	19064	19416	1/13/99
18399	12/9/98	18793	No #	18971	19424	18787
18386	18408	19056		18946	19513	18789
11276	18823	19063	12/30/98	18945	19519	17969
18032	18788	19011	19073	18960	19433	17968
10015	18821	19053	19060	18799	19359	19520
11120	18819	19036	17987	18959	19414	19415
12886	17964	19023	19127	18843	18151	18128
18438	18731	18844	17978	18023	18149	18100
11027	18730	18932	19044	19065	18158	18115
11121	18820	18780	19059	19002	18160	18069
18763		18778	19050	19018	18144	5
18762	12/12/98	19061	17985	19075	18097	18118
18437	18786	19027	18994	19062	19413	19223
11034	18003	19049	17980	19071	19389	18816
18387	18809	19042	17977	19070	19366	18812
10631	18026	19041	17984	19014	19376	18805
No #	18811	18944	17974	18931	19592	17937
18404	18797		19126	17963	19348	17946
18385	18784	12/28/98	19128	19234	19346	18795
18744	18785	19034		19245	19195	18792
18392	17997	18958	1/6/99	19243	19190	18087
18722	18779	19021	17967	19235	19342	19521
11033	18003	19045	18139	19244	17961	19233
18750	18777	19028	18826	19220	19514	18817
18822	17989	19025	18798	17991	19344	18790

SCS ENGINEERS

CLIENT	PROJECT	JOB NO.
SUBJECT	BY	DATE
	CHECKED	DATE

18818	19184	19591
19221	19186	19201
17936	19193	19381
19218	18048	19364
	19192	19375
1/7/99	19516	19196
18810	18083	19368
17945	18068	
19246	19423	1/20/99
17947	19518	18618
17944	4	18058
17938	19515	18066
18009	19507	19309
18813	18067	19324
18804	18086	19320
17953	19517	19323
18814	19512	18064
17939	19412	19310
17948	19313	18706
17999	19319	19311
18796	19312	
18794	18090	
18776	18084	
No #	18079	
	18080	
1/19/99	18061	
19321	18057	
19365	18062	
19355	19306	
19422	19316	
18117	19318	
19392	19314	
19388	19328	
19393	19321	
19191	19590	
18098	19345	

ATTACHMENT 5-2

CETCO MQC QUALITY CONTROL CERTIFICATES

CERTIFICATION PACKAGE 1

10/20/98

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY

234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

20-Oct-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipments to Tomoka Farms LF, Daytona Beach, FL. These shipments left our CETCO - Fairmount, GA, plant on 10/16/98-10/19/98.

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

Printed on recycled paper.

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

Printed on recycled paper

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 67460,67537-67541

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

Printed on recycled paper

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**OCTOBER 16-19, 1998**
	67460,67537-67541
PRODUCT:	**BENTOMAT ST AND CLAYMAX 200R**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 20 **day of** Oct **,19** 98 **.**

Diane Hunsucker

Notary Public

NOTARIAL SEAL
DIANE HUNSUCKER
Notary Public, Georgia
BRYAN COUNTY
My Commission Expires
Jan. 2, 2002

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CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT Tomoka Farms LF

ORDER #: 67460,67537-67541

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

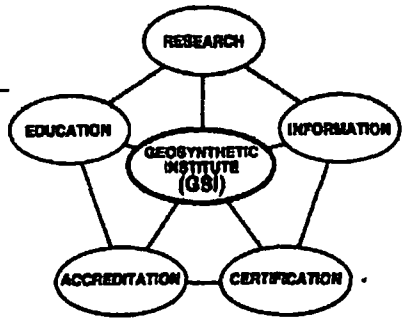
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willey
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 20 day of Oct 1998.

Diane Hunsucker
Notary Public

OFFICIAL SEAL
DIANE D. HUNSUCKER
[illegible] Florida
[illegible] Expires



Printed on recycled paper

CETCO

CLAYMAX 200R
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT: Tomoka Farms LF

ORDER #: 67460,67537-67541

CETCO hereby affirms and certifies that Claymax 200R material supplied to this project will meet the physical and chemical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993(modified)	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

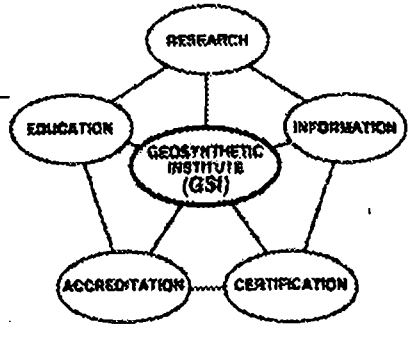
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willex
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 30 day of Oct. 1998.

Diane Hunsucker
Notary Public

OFFICIAL SEAL
DIANE D. HUNSUCKER
Notary Public, Georgia
My Commission Expires
Jan. 24, 2002



Printed on recycled paper

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1 O

CARRIER NAME: NATIONWIDE Standstar DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DEL DATE: 10/19/98 SHIPPER'S NO: 000067460

SHIP DATE: 10/16/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site # 904 947-2952 Deliver by 3:30 pm

ORDER COMMENTS ORDER IS FOR 979,480 APPROXIMATE SF FOR TOMOKA FARMS LF
ORDER COMMENTS RELEASE MATERIAL AS NEEDED. SHIP OVER NEXT 4 MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31125		CLAYMAX 200 RW	
15 Rolls-150'		OLD 200RW	46116

GROSS: .00 TARE: .00 NET:

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Louie Johnson

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1?50 WEST SHURE DRIVE
INGTON HEIGHTS IL 60004

ORDER NO:.. 000067460
ORDER DATE: 9/22/97
SHIP DATE:.10/16/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-CLAYMAX200R		SFT	SF 199842030	00003949	150.0	13.8	2075.0	3090
030-CLAYMAX200R		SFT	SF 199842030	00003950	150.0	13.8	2075.0	3111
030-CLAYMAX200R		SFT	SF 199842030	00003951	150.0	13.8	2075.0	3135
030-CLAYMAX200R		SFT	SF 199842030	00003952	150.0	13.8	2075.0	3085
CLAYMAX200R		SFT	SF 199842030	00003953	150.0	13.8	2075.0	3110
030-CLAYMAX200R		SFT	SF 199842030	00003954	150.0	13.8	2075.0	3078
030-CLAYMAX200R		SFT	SF 199842030	00003955	150.0	13.8	2075.0	3031
030-CLAYMAX200R		SFT	SF 199842030	00003956	150.0	13.8	2075.0	3049
030-CLAYMAX200R		SFT	SF 199842030	00003957	150.0	13.8	2075.0	3067
030-CLAYMAX200R		SFT	SF 199842030	00003958	150.0	13.8	2075.0	3054
030-CLAYMAX200R		SFT	SF 199842030	00003959	150.0	13.8	2075.0	3055
030-CLAYMAX200R		SFT	SF 199842030	00003960	150.0	13.8	2075.0	3039
030-CLAYMAX200R		SFT	SF 199842030	00003961	150.0	13.8	2075.0	3089
030-CLAYMAX200R		SFT	SF 199842030	00003962	150.0	13.8	2075.0	3091
030-CLAYMAX200R		SFT	SF 199842030	00003963	150.0	13.8	2075.0	3032
							========	=======
ORDER TOTALS.....							31125.0	46116.

TOTAL ITEMS..... 15

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE[1]

Rolandstar

CARRIER NAME: NATIONWIDE
CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952
SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051
CAR/VEHICLE#:

DELIVERING CARRIER:
10/19/98
DEL DATE:
SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SHIPPER'S NO: 000067537
SHIP DATE: 10/16/98

SHIPPING PLANT: FAIRMOUNT,GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site#904 947-2952 Deliver by 3:30pm

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	KM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500			
14 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	45947
		CG-50 SEAMING CLAY (10902/024)	700
14 Bags		CLAY-BENTONITE-GROUND (CLASS 50) 3295232	

GROSS: .00 TARE: .00 NET: 46647

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS
RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:
Robert Edwards

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER
DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
INGTON HEIGHTS IL 60004

ORDER NO:.. 000067537
ORDER DATE: 9/22/97
SHIP DATE:..10/16/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199842030	00015658	150.0	15.0	2250.0	3295
030-BENTOMAT ST		SFT	SF 199842030	00015661	150.0	15.0	2250.0	3257
030-BENTOMAT ST		SFT	SF 199842030	00015715	150.0	15.0	2250.0	3278
030-BENTOMAT ST		SFT	SF 199842030	00015724	150.0	15.0	2250.0	3252
030-BENTOMAT ST		SFT	SF 199842030	00015725	150.0	15.0	2250.0	3230
030-BENTOMAT ST		SFT	SF 199842030	00015726	150.0	15.0	2250.0	3257
030-BENTOMAT ST		SFT	SF 199842030	00015728	150.0	15.0	2250.0	3273
030-BENTOMAT ST		SFT	SF 199842030	00015737	150.0	15.0	2250.0	3335
030-BENTOMAT ST		SFT	SF 199842030	00015739	150.0	15.0	2250.0	3290
030-BENTOMAT ST		SFT	SF 199842030	00015740	150.0	15.0	2250.0	3301
030-BENTOMAT ST		SFT	SF 199842030	00015741	150.0	15.0	2250.0	3290
030-BENTOMAT ST		SFT	SF 199842030	00015742	150.0	15.0	2250.0	3310
030-BENTOMAT ST		SFT	SF 199842030	00015743	150.0	15.0	2250.0	3289
030-BENTOMAT ST		SFT	SF 199842030	00015744	150.0	15.0	2250.0	3290
ORDER TOTALS.....							31500.0	45947.

TOTAL ITEMS..... 14

14 Bags

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1

CARRIER NAME: NATIONWIDE Glendstar

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 10/19/98

SHIPPER'S NO: 000067538

SHIP DATE: [redacted] 10/16/9

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site #904-947-2952 Deliver by 3:30pm

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
21500			
14 Rolls-150' [redacted]		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	45514 [redacted]
		CG-50 SEAMING CLAY (10902/024) CLAY-BENTONITE-GROUND (CLASS 50) 3295232	700
14 Bags			
			46214 [redacted]

GROSS: .00 TARE: .00 NET:

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Sylvester Howard

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
Per.

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER
DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
INGTON HEIGHTS IL 60004

ORDER NO:.. 000067538
ORDER DATE: 9/22/97
SHIP DATE:.. 10/16/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199842030	00015673	150.0	15.0	2250.0	3240
030-BENTOMAT ST		SFT	SF 199842030	00015675	150.0	15.0	2250.0	3257
030-BENTOMAT ST		SFT	SF 199842030	00015688	150.0	15.0	2250.0	3310
030-BENTOMAT ST		SFT	SF 199842030	00015695	150.0	15.0	2250.0	3277
BENTOMAT ST		SFT	SF 199842030	00015696	150.0	15.0	2250.0	3300
030-BENTOMAT ST		SFT	SF 199842030	00015700	150.0	15.0	2250.0	3279
030-BENTOMAT ST		SFT	SF 199842030	00015702	150.0	15.0	2250.0	3240
030-BENTOMAT ST		SFT	SF 199842030	00015703	150.0	15.0	2250.0	3231
030-BENTOMAT ST		SFT	SF 199842030	00015705	150.0	15.0	2250.0	3216
030-BENTOMAT ST		SFT	SF 199842030	00015706	150.0	15.0	2250.0	3230
030-BENTOMAT ST		SFT	SF 199842030	00015707	150.0	15.0	2250.0	3226
030-BENTOMAT ST		SFT	SF 199842030	00015708	150.0	15.0	2250.0	3223
030-BENTOMAT ST		SFT	SF 199842030	00015719	150.0	15.0	2250.0	3234
030-BENTOMAT ST		SFT	SF 199842030	00015723	150.0	15.0	2250.0	3251

ORDER TOTALS.....	31500.0	45514.
TOTAL ITEMS..... 14		

14 Bags

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE 1 C

CARRIER NAME: NATIONWIDE / Landstar

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 10/20/98

SHIPPER'S NO: 000067539

SHIP DATE: 10/19/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site#904-947-2952, Contact Paul

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500			
14 Rolls 150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	45260
		CG-50 SEAMING CLAY (10902/024)	700
14 Bags		CLAY-BENTONITE-GROUND (CLASS 50) 3295232	

GROSS: .00 TARE: .00 NET: 45960

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

2:15

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED

☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
INGTON HEIGHTS IL 60004

ORDER NO:.. 000067539
ORDER DATE: 9/22/97
SHIP DATE:..10/19/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF	199842030	00015512	150.0	15.0	2250.0	3287
030-BENTOMAT ST		SFT	SF	199842030	00015517	150.0	15.0	2250.0	3266
030-BENTOMAT ST		SFT	SF	199842030	00015518	150.0	15.0	2250.0	3260
030-BENTOMAT ST		SFT	SF	199842030	00015619	150.0	15.0	2250.0	3247
030-BENTOMAT ST		SFT	SF	199842030	00015620	150.0	15.0	2250.0	3246
030-BENTOMAT ST		SFT	SF	199842030	00015621	150.0	15.0	2250.0	3235
030-BENTOMAT ST		SFT	SF	199842030	00015637	150.0	15.0	2250.0	3210
030-BENTOMAT ST		SFT	SF	199842030	00015638	150.0	15.0	2250.0	3213
030-BENTOMAT ST		SFT	SF	199842030	00015639	150.0	15.0	2250.0	3198
030-BENTOMAT ST		SFT	SF	199842030	00015641	150.0	15.0	2250.0	3191
030-BENTOMAT ST		SFT	SF	199842030	00015652	150.0	15.0	2250.0	3210
030-BENTOMAT ST		SFT	SF	199842030	00015653	150.0	15.0	2250.0	3220
030-BENTOMAT ST		SFT	SF	199842030	00015654	150.0	15.0	2250.0	3215
030-BENTOMAT ST		SFT	SF	199842030	00015655	150.0	15.0	2250.0	3262

ORDER TOTALS.....	31500.0	45260.
TOTAL ITEMS..... 14		

14 Bags

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE 1 O

Standstar

CARRIER NAME: NATIONWIDE

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 10/20/98

SHIPPER'S NO: 000067540

SHIP DATE: 10/19/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site# 904-947-2952, Contact Paul

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	45556
14 Rolls-150'			700
		CG-50 SEAMING CLAY (10902/024) CLAY-BENTONITE-GROUND (CLASS 50) 3296232	
14 Bags			

GROSS: .00 TARE: .00 NET: 46256

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS
RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
Per _____

PLACARDS REQUIRED ☐ YES ☐ NO—FURNISHED BY CARRIER

PLACARDS SUPPLIED

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
INGTON HEIGHTS IL 60004

ORDER NO:.. 000067540
ORDER DATE: 9/22/97
SHIP DATE:..10/19/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF	199842030	00015476	150.0	15.0	2250.0	3201
030-BENTOMAT ST		SFT	SF	199842030	00015478	150.0	15.0	2250.0	3219
030-BENTOMAT ST		SFT	SF	199842030	00015479	150.0	15.0	2250.0	3206
030-BENTOMAT ST		SFT	SF	199842030	00015480	150.0	15.0	2250.0	3235
[illegible] BENTOMAT ST		SFT	SF	199842030	00015490	150.0	15.0	2250.0	3261
030-BENTOMAT ST		SFT	SF	199842030	00015491	150.0	15.0	2250.0	3269
030-BENTOMAT ST		SFT	SF	199842030	00015492	150.0	15.0	2250.0	3260
030-BENTOMAT ST		SFT	SF	199842030	00015493	150.0	15.0	2250.0	3279
030-BENTOMAT ST		SFT	SF	199842030	00015494	150.0	15.0	2250.0	3273
030-BENTOMAT ST		SFT	SF	199842030	00015495	150.0	15.0	2250.0	3228
030-BENTOMAT ST		SFT	SF	199842030	00015503	150.0	15.0	2250.0	3295
030-BENTOMAT ST		SFT	SF	199842030	00015505	150.0	15.0	2250.0	3314
030-BENTOMAT ST		SFT	SF	199842030	00015506	150.0	15.0	2250.0	3263
030-BENTOMAT ST		SFT	SF	199842030	00015507	150.0	15.0	2250.0	3253
ORDER TOTALS.....								31500.0	45556.
TOTAL ITEMS.....							14		

1H Bad

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE 1 C

CARRIER NAME: NATIONWIDE

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: [redacted] 10/20/98

SHIPPER'S NO: 000067541

SHIP DATE: [redacted] 10/19/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site #904-947-2952, Contact Paul

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500		BENTOMAT ST	45348 [redacted]
14 Rolls-150' [redacted]		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	700 [redacted]
		CG-50 SEAMING CLAY	
14 Bags		(10902/024)	
		CLAY-BENTONITE-GROUND (CLASS 50)	
		3295232	

46048 [redacted]

GROSS: .00 TARE: .00 NET:

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

4:15

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per

PLACARDS REQUIRED

PLACARDS SUPPLIED

☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
INGTON HEIGHTS IL 60004

ORDER NO:.. 000067541
ORDER DATE: 9/22/97
SHIP DATE:. 10/19/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF	199842030	00015504	150.0	15.0	2250.0	3256
030-BENTOMAT ST		SFT	SF	199842030	00015509	150.0	15.0	2250.0	3250
030-BENTOMAT ST		SFT	SF	199842030	00015510	150.0	15.0	2250.0	3261
030-BENTOMAT ST		SFT	SF	199842030	00015511	150.0	15.0	2250.0	3281
030-BENTOMAT ST		SFT	SF	199842030	00015513	150.0	15.0	2250.0	3304
030-BENTOMAT ST		SFT	SF	199842030	00015514	150.0	15.0	2250.0	3257
030-BENTOMAT ST		SFT	SF	199842030	00015515	150.0	15.0	2250.0	3270
030-BENTOMAT ST		SFT	SF	199842030	00015516	150.0	15.0	2250.0	3248
030-BENTOMAT ST		SFT	SF	199842030	00015519	150.0	15.0	2250.0	2970
030-BENTOMAT ST		SFT	SF	199842030	00015632	150.0	15.0	2250.0	3276
030-BENTOMAT ST		SFT	SF	199842030	00015635	150.0	15.0	2250.0	3209
030-BENTOMAT ST		SFT	SF	199842030	00015636	150.0	15.0	2250.0	3270
030-BENTOMAT ST		SFT	SF	199842030	00015648	150.0	15.0	2250.0	3283
030-BENTOMAT ST		SFT	SF	199842030	00015651	150.0	15.0	2250.0	3213
ORDER TOTALS.....								31500.0	45348.

TOTAL ITEMS..... 14

IH Bacon

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

A Wholly Owned Subsidiary of AMCOL International

Printed on recycled paper.

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067460

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA .075 lb/sqft ASTM D 5993	GRAB ELONGATION 12% Typical ASTM D 4632	GRAB STRENGTH 75 lb marv ASTM D 4632
030-CLAYMAX200R	199842030	00003963	.92	28.00	280.40
030-CLAYMAX200R	199842030	00003962	.92	28.00	280.40
030-CLAYMAX200R	199842030	00003961	.92	28.00	280.40
030-CLAYMAX200R	199842030	00003960	.92	28.00	280.40
030-CLAYMAX200R	199842030	00003959	.92	28.00	280.40
030-CLAYMAX200R	199842030	00003958	.92	28.00	280.40
030-CLAYMAX200R	199842030	00003957	.92	28.00	280.40
030-CLAYMAX200R	199842030	00003956	.92	28.00	280.40
030-CLAYMAX200R	199842030	00003955	.92	28.00	280.40
030-CLAYMAX200R	199842030	00003954	.92	28.00	280.40
030-CLAYMAX200R	199842030	00003953	.92*	28.00*	280.40*
030-CLAYMAX200R	199842030	00003952	.91	29.20	233.00
030-CLAYMAX200R	199842030	00003951	.91	29.20	233.00
030-CLAYMAX200R	199842030	00003950	.91	29.20	233.00
030-CLAYMAX200R	199842030	00003949	.91	29.20	233.00

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067537

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199842030	00015744	1.06	16.00	123.20	29.80
030-BENTOMAT ST	199842030	00015743	1.06	16.00	123.20	29.80
030-BENTOMAT ST	199842030	00015742	1.06	16.00	123.20	29.80
030-BENTOMAT ST	199842030	00015741	1.06	16.00	123.20	29.80
030-BENTOMAT ST	199842030	00015740	1.06	16.00	123.20	29.80
030-BENTOMAT ST	199842030	00015739	1.06	16.00	123.20	29.80
030-BENTOMAT ST	199842030	00015737	1.06*	16.00	123.20	29.80*
030-BENTOMAT ST	199842030	00015728	1.06	17.60	155.80	31.10
030-BENTOMAT ST	199842030	00015726	1.06	17.60	155.80	31.10
030-BENTOMAT ST	199842030	00015725	1.06	17.60	155.80	31.10
030-BENTOMAT ST	199842030	00015724	1.06	17.60	155.80	31.10
030-BENTOMAT ST	199842030	00015715	1.06	17.60	155.80	22.10
030-BENTOMAT ST	199842030	00015661	1.06	13.60	120.00	24.20
030-BENTOMAT ST	199842030	00015658	1.06	13.60	120.00	24.20

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067538

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199842030	00015723	1.06	17.60	155.80	31.10
030-BENTOMAT ST	199842030	00015719	1.06	17.60	155.80	22.10
030-BENTOMAT ST	199842030	00015708	1.06	17.60	155.80	22.30
030-BENTOMAT ST	199842030	00015707	1.06	17.60	155.80	22.30
030-BENTOMAT ST	199842030	00015706	1.06	17.60	155.80	22.30
030-BENTOMAT ST	199842030	00015705	1.06	17.60	155.80	22.30
030-BENTOMAT ST	199842030	00015703	1.07	17.60	155.80	22.60
030-BENTOMAT ST	199842030	00015702	1.07	17.60	155.80	22.60
030-BENTOMAT ST	199842030	00015700	1.07	17.60	155.80	22.60
030-BENTOMAT ST	199842030	00015696	1.07	17.60	155.80	22.60*
030-BENTOMAT ST	199842030	00015695	1.07	17.60	155.80	19.10
030-BENTOMAT ST	199842030	00015688	1.07*	17.60	155.80	19.10*
030-BENTOMAT ST	199842030	00015675	1.05	17.60	155.80	20.80
030-BENTOMAT ST	199842030	00015673	1.05	17.60	155.80	20.80

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067539

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199842030	00015655	1.01	13.60	120.00	31.10
030-BENTOMAT ST	199842030	00015654	1.01	13.60	120.00	31.10
030-BENTOMAT ST	199842030	00015653	1.01	13.60	120.00	31.10
030-BENTOMAT ST	199842030	00015652	1.01	13.60	120.00	31.10
030-BENTOMAT ST	199842030	00015641	1.00	13.60	120.00	33.30
030-BENTOMAT ST	199842030	00015639	1.00	13.60	120.00	38.40
030-BENTOMAT ST	199842030	00015638	1.00	13.60	120.00	38.40
030-BENTOMAT ST	199842030	00015637	1.00	13.60	120.00	38.40
030-BENTOMAT ST	199842030	00015621	1.04	13.60	120.00	31.70
030-BENTOMAT ST	199842030	00015620	1.04	13.60	120.00	31.70
030-BENTOMAT ST	199842030	00015619	1.04	13.60	120.00	31.70
030-BENTOMAT ST	199842030	00015518	1.08	12.00	107.80	32.70
030-BENTOMAT ST	199842030	00015517	1.08	12.00	107.80	32.70
030-BENTOMAT ST	199842030	00015512	1.08	12.00	107.80	31.80

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067540

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199842030	00015507	1.08	12.00	107.80	31.80
030-BENTOMAT ST	199842030	00015506	1.08	12.00	107.80	31.80
030-BENTOMAT ST	199842030	00015505	1.08	12.00	107.80	31.80
030-BENTOMAT ST	199842030	00015503	1.08*	12.00	107.80	31.80*
030-BENTOMAT ST	199842030	00015495	1.05	12.00	107.80	22.80*
030-BENTOMAT ST	199842030	00015494	1.05	12.00	107.80	31.80
030-BENTOMAT ST	199842030	00015493	1.05	12.00	107.80	31.80
030-BENTOMAT ST	199842030	00015492	1.05	12.00	107.80	31.80
030-BENTOMAT ST	199842030	00015491	1.05	12.00	107.80	31.80
030-BENTOMAT ST	199842030	00015490	1.05	12.00	107.80	31.80
030-BENTOMAT ST	199842030	00015480	1.01	12.00	107.80	27.40
030-BENTOMAT ST	199842030	00015479	1.01	12.00	107.80	27.40
030-BENTOMAT ST	199842030	00015478	1.01	12.00	107.80	27.40
030-BENTOMAT ST	199842030	00015476	1.04	12.00	107.80	27.60

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
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Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067541

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199842030	00015651	1.01	13.60	120.00	31.10
030-BENTOMAT ST	199842030	00015648	1.01*	13.60	120.00	31.10*
030-BENTOMAT ST	199842030	00015636	1.00	13.60	120.00	38.40
030-BENTOMAT ST	199842030	00015635	1.00	13.60	120.00	38.40
030-BENTOMAT ST	199842030	00015632	1.00*	13.60	120.00	38.40*
030-BENTOMAT ST	199842030	00015519	1.08	12.00	107.80	32.70
030-BENTOMAT ST	199842030	00015516	1.08	12.00	107.80	32.70
030-BENTOMAT ST	199842030	00015515	1.08	12.00	107.80	32.70
030-BENTOMAT ST	199842030	00015514	1.08	12.00	107.80	32.70
030-BENTOMAT ST	199842030	00015513	1.08	12.00	107.80	32.70*
030-BENTOMAT ST	199842030	00015511	1.08	12.00	107.80	31.80
030-BENTOMAT ST	199842030	00015510	1.08	12.00	107.80	31.80
030-BENTOMAT ST	199842030	00015509	1.08	12.00	107.80	31.80
030-BENTOMAT ST	199842030	00015504	1.08	12.00	107.80	31.80

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
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Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067537

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199841010	00002341	6.5	44.6	177.5
030-NON-WOVEN	199841010	00002342	6.5	44.6	177.5
030-NON-WOVEN	199841010	00002352	6.5	44.6	177.5
030-NON-WOVEN	199841010	00002354	6.5	44.6	177.5
030-NON-WOVEN	199841010	00002357	6.5	44.6	177.5

TOTAL PAGES 1

QCG#TF3 QCT#TF3
10/20/98 6:41:51

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067538

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199841010	00002342	6.5	44.6	177.5
030-NON-WOVEN	199841010	00002346	6.5	44.6	177.5
030-NON-WOVEN	199841010	00002352	6.5	44.6	177.5
030-NON-WOVEN	199841010	00002353	6.5	44.6	177.5
030-NON-WOVEN	199841010	00002361	6.5	44.6	177.5

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067539

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199841010	00002347	6.5	44.6	177.5
030-NON-WOVEN	199841010	00002354	6.5	44.6	177.5
030-NON-WOVEN	199842010	00002379	6.5	44.6	177.5
030-NON-WOVEN	199842010	00002382	6.5	44.6	177.5
030-NON-WOVEN	199842010	00002388	6.5	44.6	177.5

QCG#TF3 QCT#TF3
10/20/98 6:42:57

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT.GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067540

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199841010	00002387	6.5	44.6	177.5
030-NON-WOVEN	199842010	00002388	6.5	44.6	177.5

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067541

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199841010	00002354	6.5	44.6	177.5
030-NON-WOVEN	199842010	00002372	6.5	44.6	177.5
030-NON-WOVEN	199842010	00002379	6.5	44.6	177.5
030-NON-WOVEN	199842010	00002382	6.5	44.6	177.5
030-NON-WOVEN	199842010	00002388	6.5	44.6	177.5

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 9, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #178964
PO# O-DH1-22584

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:178964

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
278654	170 x 162	23 x 22	350	3.5
334175	162 x 164	22 x 23	346	3.6
7469895	146 x 165	19 x 23	363	3.7
7480049	183 x 155	25 x 27	333	3.4
7480051	167 x 161	27 x 29	300	3.5
7481314	158 x 143	23 x 23	311	3.4
7481319	153 x 147	21 x 25	331	3.4
7484557	151 x 137	25 x 25	310	3.5
7484558	154 x 138	25 x 21	310	3.4
7484560	152 x 138	21 x 24	334	3.4
7487153	174 x 157	24 x 24	320	3.5
7487154	150 x 150	26 x 27	337	3.6
7488652	158 x 169	23 x 22	325	3.8
7489089	158 x 147	24 x 24	366	3.7
7489090	160 x 152	27 x 27	326	3.6
7301118	170 x 162	23 x 22	350	3.5
7358655	162 x 155	22 x 24	346	3.6
7447984	146 x 138	25 x 23	333	3.4
7481318	167 x 137	27 x 22	331	3.4
7484559	154 x 137	25 x 25	310	3.5

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 7, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #178870
PO# O-DH1-22584

This is to certify that Style 82 Tex, a woven polypropylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	2.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7819 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

178870

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
335474	162 x 137	23 x 22	338	3.4
341650	173 x 173	25 x 22	358	3.5
341659	179 x 173	24 x 25	341	3.4
7469589	165 x 156	22 x 28	301	3.5
7469894	158 x 160	20 x 23	353	3.6
7478440	149 x 156	22 x 23	313	3.5
7478441	145 x 151	22 x 27	322	3.4
7478442	157 x 163	23 x 26	335	3.5
7480046	170 x 160	24 x 27	346	3.4
7480050	160 x 147	23 x 23	330	3.5
7480052	161 x 148	23 x 24	323	3.4
7481313	172 x 153	24 x 26	340	3.5
7481317	158 x 152	21 x 24	349	3.4
7484561	150 x 138	22 x 23	336	3.4
7484563	161 x 161	22 x 26	340	3.4
7487115	156 x 140	23 x 23	330	3.3
7487152	161 x 140	22 x 23	313	3.4
7487159	154 x 151	20 x 26	321	3.4
7487727	152 x 150	23 x 22	337	3.4
7487728	151 x 149	24 x 23	309	3.4
7487729	146 x 140	22 x 22	303	3.4
7487948	146 x 149	21 x 25	316	3.4
7487949	151 x 151	23 x 23	343	3.5
7487950	136 x 146	22 x 23	310	3.4
7488227	149 x 150	27 x 27	303	3.4
7488228	154 x 152	26 x 27	323	3.4
7488229	140 x 146	23 x 24	300	3.5
7488230	140 x 141	25 x 25	307	3.4
7488646	145 x 138	26 x 26	312	3.4
7488648	155 x 146	23 x 23	300	3.4
7488649	152 x 150	22 x 23	311	3.4
7489088	157 x 154	25 x 26	310	3.6
7489143	159 x 161	23 x 23	333	3.6
7489144	144 x 160	28 x 33	341	3.4
7489145	156 x 152	26 x 26	321	3.4
7489208	155 x 135	23 x 23	322	3.3
7489209	153 x 135	23 x 23	305	3.3

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

ROL:178870

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7492503	158 x 157	22 x 26	336	3.4
7373745	158 x 157	22 x 26	336	3.4

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 14, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
BoL; 625411 PO 0-DH1-22585

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1997

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

10/13/98 11:36 Page 1

Synthetic Industries
Individual Roll Data
Bill of Lading:625411

Roll Number	Style	Mass/ Unit Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Puncr Resist lbs D4833
8801726A	660	6.6	135	107	151	105	118	46	51	207	66

Bill Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

ISO 9002 CERTIFIED
World Class Quality

September 23, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmount, GA 30139

RE: Bill Of Lading #178280
PO# O-DH1-22376

This is to certify that fabric Style 864A, a woven polypropylene fabric produced by Synthetic Industries for use in Geosynthetic Clay Liner, will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	75 X 30 lbs	330 X 130 N
GRAB ELONGATION	ASTM D-4632	16% x 27%	
MULLEN BURST	ASTM D-3786	170 PSI	1170 kPa
MASS PER UNIT AREA	ASTM D-5261	2.8 oz/yd^2	90 g/m^2

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/25/97.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:178280

Style: 864A

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7463694	101 x 42	27 x 35	216	3.3

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 19, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmount, GA 30139

RE: Bill Of Lading #179309
PO# O-DH1-22707

This is to certify that fabric Style 864A, a woven polypropylene fabric produced by Synthetic Industries for use in Geosynthetic Clay Liner, will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	75 X 30 lbs	330 X 130 N
GRAB ELONGATION	ASTM D-4632	16% x 27%	
MULLEN BURST	ASTM D-3786	170 PSI	1170 kPa
MASS PER UNIT AREA	ASTM D-5261	2.8 oz/yd^2	90 g/m^2

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/25/97.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 13, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmount, GA. 30139

RE: Bill of Lading #179077
PO #O-OCW-22661

This is to certify that fabric Style 863A, a woven polypropylene fabric produced by Synthetic Industries for use in Geosynthetic Clay Liner, will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	75 X 30 lbs	330 X 130 N
GRAB ELONGATION	ASTM D-4632	16% x 27%	
MULLEN BURST	ASTM D-3786	170 PSI	1170 kPa
MASS PER UNIT AREA	ASTM D-5261	2.8 oz/yd^2	90 g/m^2

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 07/15/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 17-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **15-Sep-98**
in **BN 453411**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	7.2
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **J.J.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **91924**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 31-Aug-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **26-Aug-98**
in **ATSF 315012**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.8
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **R.P.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **90535**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 27-Aug-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **25-Aug-98**
in **BN 458738**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	8
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **90530**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 01-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **29-Aug-98**
in **BN 458600**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	13

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **90544**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 14-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **11-Sep-98**
in **BN 454155**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	8.8
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91917**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 14-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **12-Sep-98**
in **BNSF 420692**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91919**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

Printed on recycled paper.

QCG#TF1 QCT#TF1
10/20/98 6:37:23

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067460

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199842030							
00003949	030-CLAYMAX200R	150	2075	3090	7471163	80343298	315012
00003950	030-CLAYMAX200R	150	2075	3111	7471163	80343298	315012
00003951	030-CLAYMAX200R	150	2075	3135	7471163	80343298	315012
00003952	030-CLAYMAX200R	150	2075	3085	7487678	80343298	315012
00003953	030-CLAYMAX200R	150	2075	3110	7487678	80343298	315012
00003954	030-CLAYMAX200R	150	2075	3078	7487678	80343298	315012
00003955	030-CLAYMAX200R	150	2075	3031	7487678	80343298	315012
00003956	030-CLAYMAX200R	150	2075	3049	7487678	80343298	315012
00003957	030-CLAYMAX200R	150	2075	3067	7487678	80343298	315012
00003958	030-CLAYMAX200R	150	2075	3054	7487678	80343298	315012
00003959	030-CLAYMAX200R	150	2075	3055	7487678	80343298	315012
00003960	030-CLAYMAX200R	150	2075	3039	7487678	80343298	315012
00003961	030-CLAYMAX200R	150	2075	3089	7487678	80343298	315012
00003962	030-CLAYMAX200R	150	2075	3091	7487678	80343298	315012
00003963	030-CLAYMAX200R	150	2075	3032	7487678	80343298	315012

TOTAL SQUARE FEET..... 31,125

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067537

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199842030									
00015658	030-BENTOMAT ST	150	2250	3295	7488227		199841010	00002354	454155
00015661	030-BENTOMAT ST	150	2250	3257	7488227		199841010	00002341	454155
00015715	030-BENTOMAT ST	150	2250	3278	7487948		199841010	00002352	453411
00015724	030-BENTOMAT ST	150	2250	3252	7487948		199841010	00002342	453411
00015725	030-BENTOMAT ST	150	2250	3230	7487948		199841010	00002342	453411
00015726	030-BENTOMAT ST	150	2250	3257	7487948		199841010	00002342	453411
00015728	030-BENTOMAT ST	150	2250	3273	7487950		199841010	00002342	453411
00015737	030-BENTOMAT ST	150	2250	3335	7487950		199841010	00002357	453411
00015739	030-BENTOMAT ST	150	2250	3290	7487950		199841010	00002357	453411
00015740	030-BENTOMAT ST	150	2250	3301	7487950		199841010	00002357	453411
00015741	030-BENTOMAT ST	150	2250	3290	7487950		199841010	00002357	453411
00015742	030-BENTOMAT ST	150	2250	3310	7487950		199841010	00002357	453411
00015743	030-BENTOMAT ST	150	2250	3289	7487950		199841010	00002357	453411
00015744	030-BENTOMAT ST	150	2250	3290	7487950		199841010	00002357	453411

TOTAL SQUARE FEET..... 31,500

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067538

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199842030									
00015673	030-BENTOMAT ST	150	2250	3240	7488227		199841010	00002361	420692
00015675	030-BENTOMAT ST	150	2250	3257	7488227		199841010	00002361	420692
00015688	030-BENTOMAT ST	150	2250	3310	7488227		199841010	00002346	420692
00015695	030-BENTOMAT ST	150	2250	3277	7487948		199841010	00002353	453411
00015696	030-BENTOMAT ST	150	2250	3300	7487948		199841010	00002353	453411
00015700	030-BENTOMAT ST	150	2250	3279	7487948		199841010	00002353	453411
00015702	030-BENTOMAT ST	150	2250	3240	7487948		199841010	00002352	453411
00015703	030-BENTOMAT ST	150	2250	3231	7487948		199841010	00002352	453411
00015705	030-BENTOMAT ST	150	2250	3216	7487948		199841010	00002352	453411
00015706	030-BENTOMAT ST	150	2250	3230	7487948		199841010	00002352	453411
00015707	030-BENTOMAT ST	150	2250	3226	7487948		199841010	00002352	453411
00015708	030-BENTOMAT ST	150	2250	3223	7487948		199841010	00002352	453411
00015719	030-BENTOMAT ST	150	2250	3234	7487948		199841010	00002342	453411
00015723	030-BENTOMAT ST	150	2250	3251	7487948		199841010	00002342	453411

TOTAL SQUARE FEET..... 31.500

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067539

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199842030									
00015512	030-BENTOMAT ST	150	2250	3287	334175		199842010	00002388	458738
00015517	030-BENTOMAT ST	150	2250	3266	334175		199842010	00002382	458738
00015518	030-BENTOMAT ST	150	2250	3260	334175		199842010	00002382	458738
00015619	030-BENTOMAT ST	150	2250	3247	7488648		199841010	00002347	454155
00015620	030-BENTOMAT ST	150	2250	3246	7488648		199841010	00002347	454155
00015621	030-BENTOMAT ST	150	2250	3235	7488648		199841010	00002347	454155
00015637	030-BENTOMAT ST	150	2250	3210	7478441		199842010	00002379	454155
00015638	030-BENTOMAT ST	150	2250	3213	7478441		199842010	00002379	454155
00015639	030-BENTOMAT ST	150	2250	3198	7478441		199842010	00002379	454155
00015641	030-BENTOMAT ST	150	2250	3191	7478441		199842010	00002379	454155
00015652	030-BENTOMAT ST	150	2250	3210	7469894		199841010	00002354	454155
00015653	030-BENTOMAT ST	150	2250	3220	7469894		199841010	00002354	454155
00015654	030-BENTOMAT ST	150	2250	3215	7469894		199841010	00002354	454155
00015655	030-BENTOMAT ST	150	2250	3262	7469894		199841010	00002354	454155

TOTAL SQUARE FEET..... 31,500

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067540

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199842030									
00015476	030-BENTOMAT ST	150	2250	3201	7478440		B801747A		458600
00015478	030-BENTOMAT ST	150	2250	3219	7478440		B801747A		458600
00015479	030-BENTOMAT ST	150	2250	3206	7478440		B801747A		458600
00015480	030-BENTOMAT ST	150	2250	3235	7478440		B801747A		458600
00015490	030-BENTOMAT ST	150	2250	3261	7488646		199841010	00002387	458738
00015491	030-BENTOMAT ST	150	2250	3269	7488646		199841010	00002387	458738
00015492	030-BENTOMAT ST	150	2250	3260	7488646		199841010	00002387	458738
00015493	030-BENTOMAT ST	150	2250	3279	7488646		199841010	00002387	458738
00015494	030-BENTOMAT ST	150	2250	3273	7488646		199841010	00002387	458738
00015495	030-BENTOMAT ST	150	2250	3228	7488646		199841010	00002387	458738
00015503	030-BENTOMAT ST	150	2250	3295	7488646		199842010	00002388	458738
00015505	030-BENTOMAT ST	150	2250	3314	7488646		199842010	00002388	458738
00015506	030-BENTOMAT ST	150	2250	3263	7488646		199842010	00002388	458738
00015507	030-BENTOMAT ST	150	2250	3253	7488646		199842010	00002388	458738

TOTAL SQUARE FEET..... 31.500

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067541

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199842030									
00015504	030-BENTOMAT ST	150	2250	3256	7488646		199842010	00002388	458738
00015509	030-BENTOMAT ST	150	2250	3250	334175		199842010	00002388	458738
00015510	030-BENTOMAT ST	150	2250	3261	334175		199842010	00002388	458738
00015511	030-BENTOMAT ST	150	2250	3281	334175		199842010	00002388	458738
00015513	030-BENTOMAT ST	150	2250	3304	334175		199842010	00002382	458738
00015514	030-BENTOMAT ST	150	2250	3257	334175		199842010	00002382	458738
00015515	030-BENTOMAT ST	150	2250	3270	334175		199842010	00002382	458738
00015516	030-BENTOMAT ST	150	2250	3248	334175		199842010	00002382	458738
00015519	030-BENTOMAT ST	150	2250	2970	334175		199842010	00002382	458738
00015632	030-BENTOMAT ST	150	2250	3276	7478441		199842010	00002379	454155
00015635	030-BENTOMAT ST	150	2250	3209	7478441		199842010	00002379	454155
00015636	030-BENTOMAT ST	150	2250	3270	7478441		199842010	00002379	454155
00015648	030-BENTOMAT ST	150	2250	3283	7469894		199842010	00002372	454155
00015651	030-BENTOMAT ST	150	2250	3213	7469894		199841010	00002354	454155

TOTAL SQUARE FEET..... 31.500

CERTIFICATION PACKAGE 2

10/21/98

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY

234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

21-Oct-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipments to Tomoka Farms LF, Daytona Beach, FL. These shipments left our CETCO - Fairmount, GA, plant on 10/20/98.

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

Printed on recycled paper.

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

Printed on recycled paper.

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 67542-67543

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**OCTOBER 20, 1998**
	67542-67543
PRODUCT:	**BENTOMAT ST**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 21 **day of** Oct. **,19** 98 **.**

Diane Hunsucker

Notary Public

NOTARIAL SEAL
DIANE D. HUNSUCKER
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 2, 2002

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT Tomoka Farms LF

ORDER #: 67542-67543

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

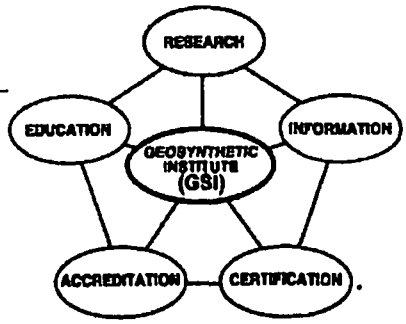
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willis
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 21 day of Oct. 1998.

Diane Hunsucker
Notary Public

OFFICIAL SEAL
DIANE B. HUNSUCKER
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 2, 2002



STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1

CARRIER NAME: NATIONWIDE Landstar DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2962

DEL DATE: 10/21/98 SHIPPER'S NO: 000067542

SHIP DATE: 10/20/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site #904-947-2952

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500			
[redacted]		BENTOMAT ST	45485 [redacted]
14 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	
[redacted]		CG-50 SEAMING CLAY	700 [redacted]
		(10902/024)	
14 Bags		CLAY-BENTONITE-GROUND (CLASS 50)	
		3295232	

GROSS: .00 TARE: .00 NET: 46185 [redacted]

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood [illegible] this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, [illegible], otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion [illegible] to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Michael Faust

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER
DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
\RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067542
ORDER DATE: 9/22/97
SHIP DATE:..10/20/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199842030	00015477	150.0	15.0	2250.0	3268
030-BENTOMAT ST		SFT	SF 199842030	00015482	150.0	15.0	2250.0	3213
030-BENTOMAT ST		SFT	SF 199842030	00015483	150.0	15.0	2250.0	3192
030-BENTOMAT ST		SFT	SF 199842030	00015484	150.0	15.0	2250.0	3231
030-BENTOMAT ST		SFT	SF 199842030	00015485	150.0	15.0	2250.0	3220
030-BENTOMAT ST		SFT	SF 199842030	00015496	150.0	15.0	2250.0	3249
030-BENTOMAT ST		SFT	SF 199842030	00015497	150.0	15.0	2250.0	3266
030-BENTOMAT ST		SFT	SF 199843030	00015812	150.0	15.0	2250.0	3272
030-BENTOMAT ST		SFT	SF 199843030	00015814	150.0	15.0	2250.0	3297
030-BENTOMAT ST		SFT	SF 199843030	00015821	150.0	15.0	2250.0	3269
030-BENTOMAT ST		SFT	SF 199843030	00015823	150.0	15.0	2250.0	3255
030-BENTOMAT ST		SFT	SF 199843030	00015827	150.0	15.0	2250.0	3240
030-BENTOMAT ST		SFT	SF 199843030	00015828	150.0	15.0	2250.0	3263
030-BENTOMAT ST		SFT	SF 199843030	00015829	150.0	15.0	2250.0	3250
ORDER TOTALS.....							31500.0	45485.

TOTAL ITEMS..... 14

14 Bags

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1 C

CARRIER NAME: NATIONWIDE / TEI
CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952
SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051
CAR/VEHICLE#:

DELIVERING CARRIER:
DEL DATE: 10/21/98
SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SHIPPER'S NO: 000067543
SHIP DATE: 10/20/98

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:
Site # 904-947-2952

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
315000		BENTOMAT ST	45662
14 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	700
		CG-50 SEAMING CLAY	
1020 Bags		(10902/024)	
		CLAY-BENTONITE-GROUND (CLASS 50)	
		3295232	

GROSS: .00 TARE: .00 NET: 46362

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

3145

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS
RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
Per _____

PLACARDS REQUIRED
PLACARDS SUPPLIED
☐ YES ☐ NO—FURNISHED BY CARRIER
DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067543
ORDER DATE: 9/22/97
SHIP DATE:..10/20/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199843030	00015860	150.0	15.0	2250.0	3267
030-BENTOMAT ST		SFT	SF 199843030	00015868	150.0	15.0	2250.0	3284
030-BENTOMAT ST		SFT	SF 199843030	00015869	150.0	15.0	2250.0	3249
030-BENTOMAT ST		SFT	SF 199843030	00015870	150.0	15.0	2250.0	3248
030-BENTOMAT ST		SFT	SF 199843030	00015871	150.0	15.0	2250.0	3283
030-BENTOMAT ST		SFT	SF 199843030	00015872	150.0	15.0	2250.0	3223
030-BENTOMAT ST		SFT	SF 199843030	00015873	150.0	15.0	2250.0	3247
030-BENTOMAT ST		SFT	SF 199843030	00015874	150.0	15.0	2250.0	3312
030-BENTOMAT ST		SFT	SF 199843030	00015875	150.0	15.0	2250.0	3295
030-BENTOMAT ST		SFT	SF 199843030	00015876	150.0	15.0	2250.0	3248
030-BENTOMAT ST		SFT	SF 199843030	00015877	150.0	15.0	2250.0	3252
030-BENTOMAT ST		SFT	SF 199843030	00015878	150.0	15.0	2250.0	3230
030-BENTOMAT ST		SFT	SF 199843030	00015879	150.0	15.0	2250.0	3264
030-BENTOMAT ST		SFT	SF 199843030	00015880	150.0	15.0	2250.0	3260
ORDER TOTALS.....							31500.0	45662.

TOTAL ITEMS..... 14

14 Bags

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067542

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199843030	00015829	1.01	12.40	110.20	31.50
030-BENTOMAT ST	199843030	00015828	1.01	12.40	110.20	31.50
030-BENTOMAT ST	199843030	00015827	1.01	12.40	110.20	31.50
030-BENTOMAT ST	199843030	00015823	1.01	12.40	110.20	31.50
030-BENTOMAT ST	199843030	00015821	1.01	12.40	110.20	34.30
030-BENTOMAT ST	199843030	00015814	1.01*	12.40	110.20	34.30*
030-BENTOMAT ST	199843030	00015812	1.04	12.40	110.20	27.10
030-BENTOMAT ST	199842030	00015497	1.05	12.00	107.80	22.80
030-BENTOMAT ST	199842030	00015496	1.05	12.00	107.80	22.80
030-BENTOMAT ST	199842030	00015485	1.01	12.00	107.80	27.40
030-BENTOMAT ST	199842030	00015484	1.01	12.00	107.80	27.40
030-BENTOMAT ST	199842030	00015483	1.01	12.00	107.80	27.40
030-BENTOMAT ST	199842030	00015482	1.01	12.00	107.80	27.40
030-BENTOMAT ST	199842030	00015477	1.01*	12.00	107.80	27.40*

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067543

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199843030	00015880	.98	12.40	110.20	19.30
030-BENTOMAT ST	199843030	00015879	.98	12.40	110.20	19.30
030-BENTOMAT ST	199843030	00015878	.98	12.40	110.20	19.30
030-BENTOMAT ST	199843030	00015877	.98	12.40	110.20	19.30
030-BENTOMAT ST	199843030	00015876	.98	12.40	110.20	19.30
030-BENTOMAT ST	199843030	00015875	.98	12.40	110.20	19.30
030-BENTOMAT ST	199843030	00015874	.98	12.40	110.20	19.30
030-BENTOMAT ST	199843030	00015873	.98	12.40	110.20	19.30
030-BENTOMAT ST	199843030	00015872	.98	12.40	110.20	19.30
030-BENTOMAT ST	199843030	00015871	.98	12.40	110.20	19.30
030-BENTOMAT ST	199843030	00015870	.98	12.40	110.20	19.30
030-BENTOMAT ST	199843030	00015869	.98	12.40	110.20	19.30
030-BENTOMAT ST	199843030	00015868	.98	12.40	110.20	19.30*
030-BENTOMAT ST	199843030	00015860	.98*	12.40	110.20	20.00

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067542

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199841010	00002364	6.5	44.6	177.5
030-NON-WOVEN	199841010	00002387	6.5	44.6	177.5
030-NON-WOVEN	199842010	00002397	6.5	44.6	177.5
030-NON-WOVEN	199842010	00002404	6.5	44.6	177.5
030-NON-WOVEN	199842010	00002405	6.5	44.6	177.5

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067543

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199843010	00002431	6.5	44.6	177.5
030-NON-WOVEN	199843010	00002433	6.5	44.6	177.5
030-NON-WOVEN	199843010	00002434	6.5	44.6	177.5

TOTAL PAGES 1

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 21, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #179444

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D 3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

b--.-/9444

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7501459	166 x 154	24 x 24	340	3.5

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 7, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #178870
PO# O-DH1-22584

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:178870

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
335474	162 x 137	23 x 22	338	3.4
341650	173 x 173	25 x 22	358	3.5
341659	179 x 173	24 x 25	341	3.4
7469589	165 x 156	22 x 28	301	3.5
7469894	158 x 160	20 x 23	353	3.6
7478440	149 x 156	22 x 23	313	3.5
7478441	145 x 151	22 x 27	322	3.4
7478442	157 x 163	23 x 26	335	3.5
7480046	170 x 160	24 x 27	346	3.4
7480050	160 x 147	23 x 23	330	3.5
7480052	161 x 148	23 x 24	323	3.4
7481313	172 x 153	24 x 26	340	3.5
7481317	158 x 152	21 x 24	349	3.4
7484561	150 x 138	22 x 23	336	3.4
7484563	161 x 161	22 x 26	340	3.4
7487115	156 x 140	23 x 23	330	3.3
7487152	161 x 140	22 x 23	313	3.4
7487159	154 x 151	20 x 26	321	3.4
7487727	152 x 150	23 x 22	337	3.4
7487728	151 x 149	24 x 23	309	3.4
7487729	146 x 140	22 x 22	303	3.4
7487948	146 x 149	21 x 25	316	3.4
7487949	151 x 151	23 x 23	343	3.5
7487950	136 x 146	22 x 23	310	3.4
7488227	149 x 150	27 x 27	303	3.4
7488228	154 x 152	26 x 27	323	3.4
7488229	140 x 146	23 x 24	300	3.5
7488230	140 x 141	25 x 25	307	3.4
7488646	145 x 138	26 x 26	312	3.4
7488648	155 x 146	23 x 23	300	3.4
7488649	152 x 150	22 x 23	311	3.4
7489088	157 x 154	25 x 26	310	3.6
7489143	159 x 161	23 x 23	333	3.6
7489144	144 x 160	28 x 33	341	3.4
7489145	156 x 152	26 x 26	321	3.4
7489208	155 x 135	23 x 23	322	3.3
7489209	153 x 135	23 x 23	305	3.3

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:178870

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7492503	158 x 157	22 x 26	336	3.4
7373745	158 x 157	22 x 26	336	3.4

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 20, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #179306
PO# O-DH1-22705

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D 4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

JOL:179306

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7487158	155 x 149	23 x 24	314	3.5
7487954	153 x 149	22 x 23	309	3.4
7489094	169 x 171	24 x 24	364	3.6
7489147	158 x 150	23 x 24	309	3.4
7489151	163 x 150	25 x 24	310	3.4
7489214	155 x 138	22 x 24	296	3.3
7490580	137 x 153	24 x 26	324	3.5
7495455	143 x 155	25 x 29	331	3.5
7495457	142 x 157	23 x 28	317	3.4
7496267	180 x 159	25 x 26	348	3.5
7496270	154 x 161	27 x 32	356	3.6
7497837	152 x 138	22 x 21	329	3.4
7497838	151 x 154	23 x 21	329	3.4
7499071	154 x 147	23 x 23	310	3.4
7502450	147 x 157	23 x 23	324	3.5
7502451	143 x 152	26 x 27	329	3.4
7503079	151 x 143	21 x 23	337	3.4
7503454	158 x 153	23 x 25	321	3.5
7504203	137 x 139	21 x 27	326	3.4
7504204	137 x 151	21 x 25	326	3.4
7504640	156 x 145	22 x 24	346	3.4
7504919	156 x 138	22 x 24	321	3.4
7504974	166 x 160	26 x 28	344	3.5

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22768 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 7, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
BoL; 625355 PO 0-DH1-22585

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1897*

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

Synthetic Industries
Individual Roll Data
Bill of Lading:625355

Roll Number	Style	Mass/ Unit Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833
B801706A	650	6.5	136	106	155	107	126	45	57	232	66
B801712A	650	6.8	132	108	145	105	115	41	49	236	73
B801715A	650	6.3	134	97	137	102	116	41	46	209	63

Sid Wessi

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 14, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
BoL; 625411 PO 0-DH1-22585

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries' current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1997

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

10/13/98 11:36 Page 1

Synthetic Industries
Individual Roll Data
Bill of Lading:625411

Roll Number	Style	Mass/ Unit Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Puncr Resist lbs D4833
8801726A	660	6.6	135	107	151	105	118	46	51	207	66

Bill Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 16-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **14-Sep-98**
in **ATSF 314660**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	8
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **91920**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 17-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **15-Sep-98**
in **ATSF 314064**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	8.8
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **J.J.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91923**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 02-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **31-Aug-98**
in **BN 453242**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	8.8
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **R.P.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **90548**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 01-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **29-Aug-98**
in **BN 458600**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	13

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **90544**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 27-Aug-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **25-Aug-98**
in **BN 458738**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	8
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **90530**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

Printed on recycled paper

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067542

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199842030									
00015477	030-BENTOMAT ST	150	2250	3268	7478440		B801747A		458600
00015482	030-BENTOMAT ST	150	2250	3213	7478440		199841010	00002364	458600
00015483	030-BENTOMAT ST	150	2250	3192	7478440		199841010	00002364	453242
00015484	030-BENTOMAT ST	150	2250	3231	7478440		199841010	00002364	453242
00015485	030-BENTOMAT ST	150	2250	3220	7478440		199841010	00002364	453242
00015496	030-BENTOMAT ST	150	2250	3249	7488646		199841010	00002387	458738
00015497	030-BENTOMAT ST	150	2250	3266	7488646		199841010	00002387	458738
LOT# 199843030									
00015812	030-BENTOMAT ST	150	2250	3272	7504203		B801730A		314064
00015814	030-BENTOMAT ST	150	2250	3297	7504203		199842010	00002405	314064
00015821	030-BENTOMAT ST	150	2250	3269	7497837		199842010	00002397	314064
00015823	030-BENTOMAT ST	150	2250	3255	7497837		199842010	00002397	314064
00015827	030-BENTOMAT ST	150	2250	3240	7497837		199842010	00002404	314064
00015828	030-BENTOMAT ST	150	2250	3263	7497837		199842010	00002404	314064
00015829	030-BENTOMAT ST	150	2250	3250	7497837		199842010	00002404	314660

TOTAL SQUARE FEET..... 31,500

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067543

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199843030									
00015860	030-BENTOMAT ST	150	2250	3267	7501459		199843010	00002433	314660
00015868	030-BENTOMAT ST	150	2250	3284	7501459		199843010	00002434	314660
00015869	030-BENTOMAT ST	150	2250	3249	7501459		199843010	00002434	314660
00015870	030-BENTOMAT ST	150	2250	3248	7501459		199843010	00002434	314660
00015871	030-BENTOMAT ST	150	2250	3283	7501459		199843010	00002434	314660
00015872	030-BENTOMAT ST	150	2250	3223	7501459		199843010	00002434	314660
00015873	030-BENTOMAT ST	150	2250	3247	7501459		199843010	00002434	314660
00015874	030-BENTOMAT ST	150	2250	3312	7487158		199843010	00002434	314660
00015875	030-BENTOMAT ST	150	2250	3295	7487158		199843010	00002434	314660
00015876	030-BENTOMAT ST	150	2250	3248	7487158		199843010	00002434	314660
00015877	030-BENTOMAT ST	150	2250	3252	7487158		199843010	00002431	314660
00015878	030-BENTOMAT ST	150	2250	3230	7487158		199843010	00002431	314660
00015879	030-BENTOMAT ST	150	2250	3264	7487158		199843010	00002431	314660
00015880	030-BENTOMAT ST	150	2250	3260	7487158		199843010	00002431	314660

TOTAL SQUARE FEET..... 31,500

CERTIFICATION PACKAGE 3

10/22/98

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY
234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

22-Oct-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipments to Tomoka Farms LF, Daytona Beach, FL. These shipments left our CETCO - Fairmount, GA, plant on 10/21/98 .

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

Printed on recycled paper

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 67461,67545-67546

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

Printed on recycled paper

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**OCTOBER 21, 1998**
	67461,67545-67546
PRODUCT:	**BENTOMAT ST AND CLAYMAX 200R**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 22 **day of** Oct. **,19** 98 **.**

Diane Hunsucker

Notary Public

OFFICIAL SEAL
DIANE B. HUNSUCKER
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 2, 2002

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT Tomoka Farms LF

ORDER #: 67545-67546

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

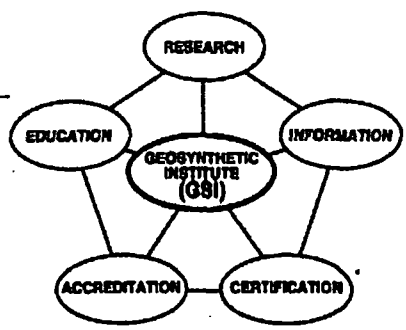
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willix
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 22 day of Oct. 1998.

Diane Hunsucker
Notary Public

OFFICIAL SEAL
DIANE B. HUNSUCKER
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 2, 2002



CETCO

CLAYMAX 200R
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT: Tomoka Farms LF

ORDER #: 67461

CETCO hereby affirms and certifies that Claymax 200R material supplied to this project will meet the physical and chemical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993(modified)	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

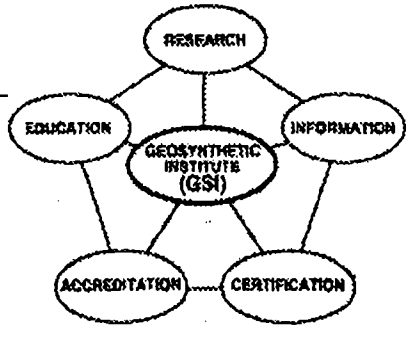
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation .

Cynthia Willis
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 22 day of Oct. 1998.

Diane Hunsucker
Notary Public

OFFICIAL SEAL
DIANE B. HUNSUCKER
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 2, 2002



STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE 1 C

CARRIER NAME: NATIONWIDE / SCAC T

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DEL DATE: 10/22/98

SHIPPER'S NO: 000067461

SHIP DATE: 10/21

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

DAYTONA BEACH FL 32114
PHONE: (904) 947 2962

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site #904-947-2952 Deliver by 3:30pm

ORDER COMMENTS ORDER IS FOR 979,480 APPROXIMATE SF FOR TOMOKA FARMS LF
ORDER COMMENTS RELEASE MATERIAL AS NEEDED. SHIP OVER NEXT 4 MONTHS

29050

PARTS	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
[redacted]		CLAYMAX 200 RW	[redacted]
15 Rolls-150'		OLD 200RW	

GROSS: .00 TARE: .00 NET: 43364

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

2105

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Randolph Richardson

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED

☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
-0 WEST SHURE DRIVE
. LINGTON HEIGHTS IL 60004

ORDER NO:.. 000067461
ORDER DATE:. 9/22/97
SHIP DATE:. 10/21/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-CLAYMAX200R		SFT	SF 199840030	00003326	150.0	13.8	2075.0	3114
030-CLAYMAX200R		SFT	SF 199840030	00003328	150.0	13.8	2075.0	3111
030-CLAYMAX200R		SFT	SF 199840030	00003329	150.0	13.8	2075.0	3090
030-CLAYMAX200R		SFT	SF 199840030	00003330	150.0	13.8	2075.0	3114
CLAYMAX200R		SFT	SF 199840030	00003331	150.0	13.8	2075.0	3184
030-CLAYMAX200R		SFT	SF 199840030	00003332	150.0	13.8	2075.0	3092
030-CLAYMAX200R		SFT	SF 199840030	00003333	150.0	13.8	2075.0	3087
030-CLAYMAX200R		SFT	SF 199840030	00003335	150.0	13.8	2075.0	3078
030-CLAYMAX200R		SFT	SF 199840030	00003336	150.0	13.8	2075.0	3101
030-CLAYMAX200R		SFT	SF 199840030	00003337	150.0	13.8	2075.0	3105
030-CLAYMAX200R		SFT	SF 199840030	00003338	150.0	13.8	2075.0	3150
030-CLAYMAX200R		SFT	SF 199840030	00003343	150.0	13.8	2075.0	3034
030-CLAYMAX200R		SFT	SF 199840030	00003345	150.0	13.8	2075.0	3046
030-CLAYMAX200R		SFT	SF 199840030	00003346	150.0	13.8	2075.0	3058
							========	=======
ORDER TOTALS.....							29050.0	43364.

TOTAL ITEMS..... 14

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE 1 C

Rampage

CARRIER NAME: NATIONWIDE

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74061
CAR/VEHICLE#:

DELIVERING CARRIER:

DEL DATE: 10/22/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SHIPPER'S NO: 000067545

SHIP DATE: 10/21/98

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site #904-947-2952 Deliver by 3:30 pm

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	KM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500			
14 Rolls 150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	45787
			700
14 Bags		CG-50 SEAMING CLAY (10902/024) CLAY-BENTONITE-GROUND (CLASS 50) 3295232	

46484

GROSS: .00 TARE: .00 NET:

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

2:35

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except ted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood hout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, as route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per

PLACARDS REQUIRED

PLACARDS SUPPLIED

☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
350 WEST SHURE DRIVE
INGTON HEIGHTS IL 60004

ORDER NO:.. 000067545
ORDER DATE: 9/22/97
SHIP DATE:.. 10/21/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199842030	00015760	150.0	15.0	2250.0	3319
030-BENTOMAT ST		SFT	SF 199842030	00015761	150.0	15.0	2250.0	3324
030-BENTOMAT ST		SFT	SF 199842030	00015766	150.0	15.0	2250.0	3199
030-BENTOMAT ST		SFT	SF 199842030	00015769	150.0	15.0	2250.0	3218
BENTOMAT ST		SFT	SF 199842030	00015771	150.0	15.0	2250.0	3230
030-BENTOMAT ST		SFT	SF 199842030	00015783	150.0	15.0	2250.0	3222
030-BENTOMAT ST		SFT	SF 199843030	00015848	150.0	15.0	2250.0	3293
030-BENTOMAT ST		SFT	SF 199843030	00015849	150.0	15.0	2250.0	3304
030-BENTOMAT ST		SFT	SF 199843030	00015850	150.0	15.0	2250.0	3298
030-BENTOMAT ST		SFT	SF 199843030	00015851	150.0	15.0	2250.0	3315
030-BENTOMAT ST		SFT	SF 199843030	00015852	150.0	15.0	2250.0	3288
030-BENTOMAT ST		SFT	SF 199843030	00015886	150.0	15.0	2250.0	3262
030-BENTOMAT ST		SFT	SF 199843030	00015948	150.0	15.0	2250.0	3272
030-BENTOMAT ST		SFT	SF 199843030	00015951	150.0	15.0	2250.0	3240
							========	=======
ORDER TOTALS.....							31500.0	45784.

TOTAL ITEMS..... 14

14 Bags

Tucker

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1 OF

TEI

CARRIER NAME: NATIONWIDE

DELIVERING CARRIER:

10/22/08

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: [redacted]

SHIPPER'S NO: 000067546

SHIP DATE: [redacted] 10/21/08

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site #904 947-2952 Deliver by 3:30pm

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500 [redacted]		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	45364 [redacted]
14 Rolls 150' [redacted]		CG-50 SEAMING CLAY (10902/024)	700 [redacted]
14 Bags		CLAY-BENTONITE-GROUND (CLASS 50) 3295232	

GROSS: .00 TARE: .00 NET: 46264 [redacted]

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

2:30

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except [illegible]d (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood [illegible]out this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, [illegible] route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

Richard L. Sumner

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED

☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
`0 WEST SHURE DRIVE
, INGTON HEIGHTS IL 60004

ORDER NO:.. 000067546
ORDER DATE:. 9/22/97
SHIP DATE:. 10/21/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199842030	00015776	150.0	15.0	2250.0	3227
030-BENTOMAT ST		SFT	SF 199842030	00015777	150.0	15.0	2250.0	3234
030-BENTOMAT ST		SFT	SF 199842030	00015778	150.0	15.0	2250.0	3203
030-BENTOMAT ST		SFT	SF 199842030	00015779	150.0	15.0	2250.0	3217
)ENTOMAT ST		SFT	SF 199843030	00015846	150.0	15.0	2250.0	3290
030-BENTOMAT ST		SFT	SF 199843030	00015854	150.0	15.0	2250.0	3260
030-BENTOMAT ST		SFT	SF 199843030	00015855	150.0	15.0	2250.0	3260
030-BENTOMAT ST		SFT	SF 199843030	00015862	150.0	15.0	2250.0	3318
030-BENTOMAT ST		SFT	SF 199843030	00015881	150.0	15.0	2250.0	3313
030-BENTOMAT ST		SFT	SF 199843030	00015882	150.0	15.0	2250.0	3247
030-BENTOMAT ST		SFT	SF 199843030	00015883	150.0	15.0	2250.0	3274
030-BENTOMAT ST		SFT	SF 199843030	00015884	150.0	15.0	2250.0	3262
030-BENTOMAT ST		SFT	SF 199843030	00015885	150.0	15.0	2250.0	3250
030-BENTOMAT ST		SFT	SF 199843030	00015901	150.0	15.0	2250.0	3209
							========	=======
ORDER TOTALS.....							31500.0	45564.

TOTAL ITEMS..... 14

14 Bags

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

Printed on recycled paper

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067461

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA .075 lb/sqft ASTM D 5993	GRAB ELONGATION 12% Typical ASTM D 4632	GRAB STRENGTH 75 lb marv ASTM D 4632
030-CLAYMAX200R	199840030	00003346	.88	29.20	243.20
030-CLAYMAX200R	199840030	00003345	.88	29.20	243.20
030-CLAYMAX200R	199840030	00003343	.88	29.20	243.20
030-CLAYMAX200R	199840030	00003338	.88	29.20	243.20
030-CLAYMAX200R	199840030	00003337	.88	29.20	243.20
030-CLAYMAX200R	199840030	00003336	.88	29.20	243.20
030-CLAYMAX200R	199840030	00003335	.88	29.20	243.20
030-CLAYMAX200R	199840030	00003333	.84	29.20	243.20
030-CLAYMAX200R	199840030	00003332	.84	29.20	243.20
030-CLAYMAX200R	199840030	00003331	.84	29.20	243.20
030-CLAYMAX200R	199840030	00003330	.84	29.20	243.20
030-CLAYMAX200R	199840030	00003329	.84	29.20	243.20
030-CLAYMAX200R	199840030	00003328	.84	29.20	243.20
030-CLAYMAX200R	199840030	00003326	.84	29.20	243.20

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067545

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB *ELONGATION* 10% Typical ASTM D 4632	GRAB *STRENGTH* 90 lbs ASTM D 4632	PEEL *STRENGTH* 15 lbs ASTM D 4632
030-BENTOMAT ST	199843030	00015951	1.05	12.00	104.00	19.10
030-BENTOMAT ST	199843030	00015948	1.05*	12.00*	104.00*	19.10*
030-BENTOMAT ST	199843030	00015886	1.04	12.40	120.20	26.20
030-BENTOMAT ST	199843030	00015852	1.01	12.40	110.20	21.80
030-BENTOMAT ST	199843030	00015851	1.01	12.40	110.20	21.80
030-BENTOMAT ST	199843030	00015850	1.01	12.40	110.20	21.80
030-BENTOMAT ST	199843030	00015849	1.01	12.40	110.20	21.80
030-BENTOMAT ST	199843030	00015848	1.01	12.40	110.20	21.80
030-BENTOMAT ST	199842030	00015783	1.11	16.40	139.60	25.90
030-BENTOMAT ST	199842030	00015771	1.02	16.40	139.60	30.50
030-BENTOMAT ST	199842030	00015769	1.02	16.40	139.60	34.60
030-BENTOMAT ST	199842030	00015766	1.02	16.40	139.60	34.60
030-BENTOMAT ST	199842030	00015761	1.00	16.40	139.60	27.40
030-BENTOMAT ST	199842030	00015760	1.00	16.40	139.60	27.40

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067546

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199843030	00015901	1.03	16.40	146.00	18.50
030-BENTOMAT ST	199843030	00015885	1.04	12.40	120.20	26.20
030-BENTOMAT ST	199843030	00015884	1.04	12.40	120.20	26.20
030-BENTOMAT ST	199843030	00015883	1.04	12.40	120.20	26.20
030-BENTOMAT ST	199843030	00015882	1.04	12.40	120.20	26.20
030-BENTOMAT ST	199843030	00015881	1.04*	12.40	120.20	26.20*
030-BENTOMAT ST	199843030	00015862	.98	12.40	110.20	20.00
030-BENTOMAT ST	199843030	00015855	1.01	12.40	110.20	20.00
030-BENTOMAT ST	199843030	00015854	1.01	12.40	110.20	20.00*
030-BENTOMAT ST	199843030	00015846	1.01*	12.40	110.20	21.80*
030-BENTOMAT ST	199842030	00015779	1.11	16.40	139.60	25.90
030-BENTOMAT ST	199842030	00015778	1.11*	16.40	139.60	25.90*
030-BENTOMAT ST	199842030	00015777	1.02	16.40	139.60	30.50
030-BENTOMAT ST	199842030	00015776	1.02	16.40	139.60	30.50

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067545

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199841010	00002343	6.5	44.6	177.5
030-NON-WOVEN	199841010	00002344	6.5	44.6	177.5
030-NON-WOVEN	199841010	00002349	6.5	44.6	177.5
030-NON-WOVEN	199842010	00002396	6.5	44.6	177.5
030-NON-WOVEN	199843010	00002430	6.5	44.6	177.5

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D·E R # 000067546

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199841010	00002349	6.5	44.6	177.5
030-NON-WOVEN	199843010	00002430	6.5	44.6	177.5
030-NON-WOVEN	199843010	00002431	6.5	44.6	177.5
030-NON-WOVEN	199843010	00002433	6.5	44.6	177.5

TOTAL PAGES 1

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

September 29, 1998

American Colloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #178517
PO #O-OCW-22438

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BC. 278517

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7435227	153 x 149	21 x 27	335	3.3
7468527	161 x 151	24 x 28	346	3.4
7469590	161 x 152	21 x 27	326	3.4
7469591	148 x 141	20 x 23	306	3.3
7469892	154 x 150	23 x 20	363	3.6
7470173	162 x 145	22 x 22	333	3.5
7470174	145 x 142	20 x 25	336	3.4
7470175	147 x 154	19 x 27	343	3.5
7470957	155 x 139	25 x 24	326	3.5
7470958	161 x 141	23 x 24	330	3.5
7471534	155 x 154	22 x 27	338	3.5
7471535	161 x 151	28 x 30	343	3.6
7471536	161 x 153	22 x 26	343	3.6
7473267	163 x 149	23 x 26	313	3.5
7473268	179 x 154	30 x 28	343	3.5
7473269	162 x 158	23 x 25	326	3.6
7473826	169 x 146	24 x 23	340	3.5
7473827	163 x 151	26 x 28	346	3.5
7478436	149 x 147	22 x 25	318	3.5
7478437	162 x 161	27 x 30	336	3.6
7478438	150 x 138	20 x 22	316	3.4
7480047	158 x 158	23 x 26	320	3.5
7480048	181 x 155	24 x 24	340	3.4
7481312	168 x 157	24 x 27	336	3.5
7482270	158 x 137	25 x 26	310	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 20, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #179306
PO# O-DH1-22705

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D 4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:179306

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7487158	155 x 149	23 x 24	314	3.5
7487954	153 x 149	22 x 23	309	3.4
7489094	169 x 171	24 x 24	364	3.6
7489147	158 x 150	23 x 24	309	3.4
7489151	163 x 150	25 x 24	310	3.4
7489214	155 x 138	22 x 24	296	3.3
7490580	137 x 153	24 x 26	324	3.5
7495455	143 x 155	25 x 29	331	3.5
7495457	142 x 157	23 x 28	317	3.4
7496267	180 x 159	25 x 26	348	3.5
7496270	154 x 161	27 x 32	356	3.6
7497837	152 x 138	22 x 21	329	3.4
7497838	151 x 154	23 x 21	329	3.4
7499071	154 x 147	23 x 23	310	3.4
7502450	147 x 157	23 x 23	324	3.5
7502451	143 x 152	26 x 27	329	3.4
7503079	151 x 143	21 x 23	337	3.4
7503454	158 x 153	23 x 25	321	3.5
7504203	137 x 139	21 x 27	326	3.4
7504204	137 x 151	21 x 25	326	3.4
7504640	156 x 145	22 x 24	346	3.4
7504919	156 x 138	22 x 24	321	3.4
7504974	166 x 160	26 x 28	344	3.5

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7618 • 1-800-621-0444

SYNTHETIC INDUSTRIES
Geosynthetic Products Division

October 21, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #179444

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D 3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

SOL. 179444

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7501459	166 x 154	24 x 24	340	3.5

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7819 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 21, 1998

American Colloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #179435
PO# O DH1-22708

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D 4533	45 X 45 LDS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:179435

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7481321	156 x 155	25 x 29	330	3.5
7484555	143 x 139	23 x 22	305	3.4
7487954A	153 x 149	22 x 23	309	3.4
7488232	145 x 142	23 x 24	304	3.4
7488653	142 x 137	22 x 24	309	3.3
7489091	160 x 147	23 x 22	340	3.6
7489095	158 x 168	26 x 30	331	3.8
7495451	153 x 147	26 x 27	324	3.5
7495458	160 x 164	23 x 26	336	3.6
7496271	155 x 158	23 x 27	355	3.4
7496272	164 x 160	28 x 28	333	3.5
7501461	165 x 162	26 x 29	332	3.5
7502452	146 x 151	24 x 25	302	3.5
7504920	159 x 143	28 x 25	327	3.4
7505598	153 x 145	23 x 24	321	3.4
7505611	153 x 160	21 x 26	332	3.5
7505838	166 x 147	23 x 28	339	3.3
7506175	147 x 135	21 x 22	325	3.2
7506176	170 x 140	22 x 21	306	3.3
7506220	150 x 156	25 x 25	340	3.4
7506229	169 x 145	22 x 22	313	3.4
7507257	172 x 158	28 x 31	314	3.5
7507393	157 x 150	26 x 26	322	3.5

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 14, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
BoL; 625367 625388 PO 0-DH1-22585

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1997

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

10/08/98 08:20 Page 1

Synthetic Industries
Individual Roll Data
Bill of Lading:625367

Roll Number	Style	Mass/ Unit Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833
B801310A	650	6.9	144	106	123	100	130	41	48	230	60
B801659A	650	7.0	137	99	181	106	129	48	56	234	74
B801676A	650	7.1	139	110	169	103	119	50	60	231	70

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

10/08/98 14:43 Page 1

Synthetic Industries
Individual Roll Data
Bill of Lading:625388

Roll Number	Style	Mass/ Unit Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4533
B801285A	650	7.2	143	115	123	104	132	54	40	219	67
B801288A	650	6.5	132	73	113	94	122	43	37	200	62

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence, test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

ISO 9002 CERTIFIED World Class Quality

September 23, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmount, GA 30139

RE: Bill Of Lading #178280
PO# O-DH1-22376

This is to certify that fabric Style 864A, a woven polypropylene fabric produced by Synthetic Industries for use in Geosynthetic Clay Liner, will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	75 X 30 lbs	330 X 130 N
GRAB ELONGATION	ASTM D-4632	16% x 27%	
MULLEN BURST	ASTM D-3786	170 PSI	1170 kPa
MASS PER UNIT AREA	ASTM D-5261	2.8 oz/yd^2	90 g/m^2

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY Of FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/25/97.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:178280

Style: 864A

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7463694	101 x 42	27 x 35	216	3.3

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES
Geosynthetic Products Division

September 23, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmount, GA. 30139

RE: Bill of Lading #178280
PO #O-DH1-22376

This is to certify that fabric Style 863A, a woven polypropylene fabric produced by Synthetic Industries for use in Geosynthetic Clay Liner, will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods.A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	75 X 30 lbs	330 X 130 N
GRAB ELONGATION	ASTM D-4632	16% x 27%	
MULLEN BURST	ASTM D-3786	170 PSI	1170 kPa
MASS PER UNIT AREA	ASTM D-5261	2.8 oz/yd^2	90 g/m^2

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL: 178280

Style: 864A

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7463694	101 x 42	27 x 35	216	3.3

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 23-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **16-Sep-98**
in **BN 454698**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.8
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **D.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **91926**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 16-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **14-Sep-98**
in **ATSF 314660**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	8
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **91920**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 04-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **02-Sep-98**
in **BN 450249**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	8
FREE SWELL	ASTM D 5890	24 MIN.	25
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **R.P.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **91903**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 18-Aug-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **15-Aug-98**
in **BN 455913**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	25
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **90511**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 31-Aug-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **26-Aug-98**
in **ATSF 315012**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.8
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **R.P.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **90535**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

OCG#TF1 QCT#TF1
22/98 11:40:17

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067461

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199840030							
00003326	030-CLAYMAX200R	150	2075	3114	7475501	7463688	450249
00003328	030-CLAYMAX200R	150	2075	3111	7475501	7463688	450249
00003329	030-CLAYMAX200R	150	2075	3090	7475501	7463688	450249
00003330	030-CLAYMAX200R	150	2075	3114	7475501	7463688	450249
00003331	030-CLAYMAX200R	150	2075	3184	7475501	7463688	450249
00003332	030-CLAYMAX200R	150	2075	3092	7475501	7463688	450249
00003333	030-CLAYMAX200R	150	2075	3087	7475501	7463688	450249
00003335	030-CLAYMAX200R	150	2075	3078	7475501	7463688	450249
00003336	030-CLAYMAX200R	150	2075	3101	7475501	7463688	450249
00003337	030-CLAYMAX200R	150	2075	3105	7475501	7463688	450249
00003338	030-CLAYMAX200R	150	2075	3150	7475501	7463688	450249
00003343	030-CLAYMAX200R	150	2075	3034	7475501	80337435	455913
00003345	030-CLAYMAX200R	150	2075	3046	7475501	80337435	455913
00003346	030-CLAYMAX200R	150	2075	3058	7475501	80337435	455913

TOTAL SQUARE FEET..... 29,050

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067545

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199842030									
00015760	030-BENTOMAT ST	150	2250	3319	7480048		199841010	00002343	315012
00015761	030-BENTOMAT ST	150	2250	3324	7480048		199841010	00002343	315012
00015766	030-BENTOMAT ST	150	2250	3199	7480048		199841010	00002344	315012
00015769	030-BENTOMAT ST	150	2250	3218	7480048		199841010	00002344	315012
00015771	030-BENTOMAT ST	150	2250	3230	7480048		199841010	00002344	315012
00015783	030-BENTOMAT ST	150	2250	3222	7497838		199841010	00002349	315012
LOT# 199843030									
00015848	030-BENTOMAT ST	150	2250	3293	7501459		199843010	00002430	314660
00015849	030-BENTOMAT ST	150	2250	3304	7501459		199843010	00002430	314660
00015850	030-BENTOMAT ST	150	2250	3298	7501459		199843010	00002430	314660
00015851	030-BENTOMAT ST	150	2250	3315	7501459		199843010	00002430	314660
00015852	030-BENTOMAT ST	150	2250	3288	7501459		199843010	00002430	314660
00015886	030-BENTOMAT ST	150	2250	3262	7496270		B801653A		454698
00015948	030-BENTOMAT ST	150	2250	3272	7487158		199842010	00002396	314660
00015951	030-BENTOMAT ST	150	2250	3240	7487158		199842010	00002396	314660

TOTAL SQUARE FEET..... 31.500

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067546

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199842030									
00015776	030-BENTOMAT ST	150	2250	3227	7497838		199841010	00002349	315012
00015777	030-BENTOMAT ST	150	2250	3234	7497838		199841010	00002349	315012
00015778	030-BENTOMAT ST	150	2250	3203	7497838		199841010	00002349	315012
00015779	030-BENTOMAT ST	150	2250	3217	7497838		199841010	00002349	315012
LOT# 199843030									
00015846	030-BENTOMAT ST	150	2250	3290	7501459		199843010	00002430	314660
00015854	030-BENTOMAT ST	150	2250	3260	7501459		199843010	00002430	314660
00015855	030-BENTOMAT ST	150	2250	3260	7501459		199843010	00002430	314660
00015862	030-BENTOMAT ST	150	2250	3318	7501459		199843010	00002433	314660
00015881	030-BENTOMAT ST	150	2250	3313	7487158		199843010	00002431	314660
00015882	030-BENTOMAT ST	150	2250	3247	7487158		199843010	00002431	314660
00015883	030-BENTOMAT ST	150	2250	3274	7496270		B801653A		454698
00015884	030-BENTOMAT ST	150	2250	3262	7496270		B801653A		454698
00015885	030-BENTOMAT ST	150	2250	3250	7496270		B801653A		454698
00015901	030-BENTOMAT ST	150	2250	3209	7501461		B801683A		454698

TOTAL SQUARE FEET..... 31,500

CERTIFICATION PACKAGE 4

10/23/98

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY
234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

23-Oct-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipment to Tomoka Farms LF, Daytona Beach, FL. This shipment left our CETCO - Fairmount, GA, plant on 10/22/98 .

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

Printed on recycled paper

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**OCTOBER 22, 1998**
	67462
PRODUCT:	**CLAYMAX 200R**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

X Alisa Sams

Alisa Sams
Shipping Coordinator
CETCO

Subscribed and sworn to before me this 23 **day of** Oct. **,19** 98 **.**

Cynthia Willix

Notary Public

OFFICIAL SEAL
CYNTHIA WILLIX
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002

CETCO

CLAYMAX 200R
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT: Tomoka Farms LF

ORDER #: 67462

CETCO hereby affirms and certifies that Claymax 200R material supplied to this project will meet the physical and chemical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993(modified)	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

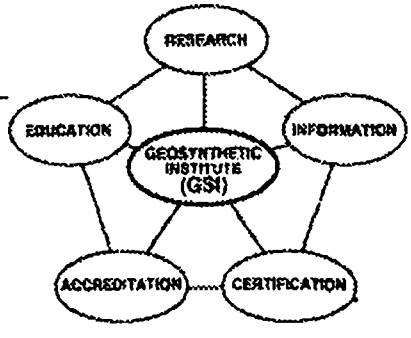
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Alicia Sams
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 23 day of Oct. 1998.

Cynthia Willix
Notary Public

OFFICIAL SEAL
CYNTHIA WILLIX
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002



STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1 OF 1

CARRIER NAME: NATIONWIDE / Interstate

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 10/23/98

SHIPPER'S NO: 000067462
SHIP DATE: 10/22/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site# 904 947-2952 Deliver by 3:30pm

ORDER COMMENTS ORDER IS FOR 979,480 APPROXIMATE SF FOR TOMOKA FARMS LF
ORDER COMMENTS RELEASE MATERIAL AS NEEDED. SHIP OVER NEXT 4 MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31125		CLAYMAX 200 RW	[redacted]
15 Rolls-150'		OLD 200RW	

GROSS: .00 TARE: .00 NET: 47090 [redacted]

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER
DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1250 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067462
ORDER DATE: 9/22/97
SHIP DATE:. 10/22/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-CLAYMAX200R		SFT	SF 199843030	00004137	150.0	13.8	2075.0	3172
030-CLAYMAX200R		SFT	SF 199843030	00004138	150.0	13.8	2075.0	3161
030-CLAYMAX200R		SFT	SF 199843030	00004162	150.0	13.8	2075.0	3247
030-CLAYMAX200R		SFT	SF 199843030	00004163	150.0	13.8	2075.0	3246
CLAYMAX200R		SFT	SF 199843030	00004178	150.0	13.8	2075.0	3219
030-CLAYMAX200R		SFT	SF 199843030	00004209	150.0	13.8	2075.0	3158
030-CLAYMAX200R		SFT	SF 199843030	00004211	150.0	13.8	2075.0	3105
030-CLAYMAX200R		SFT	SF 199843030	00004212	150.0	13.8	2075.0	3155
030-CLAYMAX200R		SFT	SF 199843030	00004213	150.0	13.8	2075.0	3139
030-CLAYMAX200R		SFT	SF 199843030	00004246	150.0	13.8	2075.0	3189
030-CLAYMAX200R		SFT	SF 199843030	00004247	150.0	13.8	2075.0	3150
030-CLAYMAX200R		SFT	SF 199843030	00004248	150.0	13.8	2075.0	3138
030-CLAYMAX200R		SFT	SF 199843030	00004249	150.0	13.8	2075.0	3048
030-CLAYMAX200R		SFT	SF 199843030	00004251	150.0	13.8	2075.0	3097
030-CLAYMAX200R		SFT	SF 199843030	00004253	150.0	13.8	2075.0	2866
							========	=======
ORDER TOTALS.....							31125.0	47090.

TOTAL ITEMS..... 15

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

COLLOID ENVIRONMENTAL TECH CO

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067462

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA .075 lb/sqft ASTM D 5993	GRAB *ELONGATION* 12% Typical ASTM D 4632	GRAB *STRENGTH* 75 lb marv ASTM D 4632
030-CLAYMAX200R	199843030	00004253	.95	24.40	240.20
030-CLAYMAX200R	199843030	00004251	.95	24.40	240.20
030-CLAYMAX200R	199843030	00004249	.95	24.40	240.20
030-CLAYMAX200R	199843030	00004248	.95	24.40	240.20
030-CLAYMAX200R	199843030	00004247	.95	24.40	240.20
030-CLAYMAX200R	199843030	00004246	.95	24.40	240.20
030-CLAYMAX200R	199843030	00004213	.94	24.40	240.20
030-CLAYMAX200R	199843030	00004212	.94	24.40	240.20
030-CLAYMAX200R	199843030	00004211	.94	24.40	240.20
030-CLAYMAX200R	199843030	00004209	.94	24.40	240.20
030-CLAYMAX200R	199843030	00004178	.98	24.80	254.80
030-CLAYMAX200R	199843030	00004163	1.02	24.80	254.80
030-CLAYMAX200R	199843030	00004162	1.02	24.80	254.80
030-CLAYMAX200R	199843030	00004138	.97	26.40	240.40
030-CLAYMAX200R	199843030	00004137	.97	26.40	240.40

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.

*** End of Report ***

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 20, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmount, GA 30139

RE: Bill Of Lading #179400
PO# O-DH1-22765

This is to certify that fabric Style 864A, a woven polypropylene fabric produced by Synthetic Industries for use in Geosynthetic Clay Liner, will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	75 X 30 lbs	330 X 130 N
GRAB ELONGATION	ASTM D-4632	16% x 27%	
MULLEN BURST	ASTM D-3786	170 PSI	1170 kPa
MASS PER UNIT AREA	ASTM D-5261	2.8 oz/yd^2	90 g/m^2

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/25/97.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 20, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmount, GA. 30139

RE: Bill of Lading #!79400
PO #O-DH1-22765

This is to certify that fabric Style 863A, a woven polypropylene fabric produced by Synthetic Industries for use in Geosynthetic Clay Liner, will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods.A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	75 X 30 lbs	330 X 130 N
GRAB ELONGATION	ASTM D-4632	16% x 27%	
MULLEN BURST	ASTM D-3786	170 PSI	1170 kPa
MASS PER UNIT AREA	ASTM D-5261	2.8 oz/yd^2	90 g/m^2

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY Of FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 07/15/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 23-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **21-Sep-98**
in **BN 446193**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	10
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	13

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **91939**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 23-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **16-Sep-98**
in **BN 454698**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.8
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **D.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **91926**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 16-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **14-Sep-98**
in **ATSF 314660**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	8
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91920**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

Printed on recycled paper

QCG#TF1 QCT#TF1
10/23/98 9:31:41

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067462

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199843030							
00004137	030-CLAYMAX200R	150	2075	3172	7498810	80346714	314660
00004138	030-CLAYMAX200R	150	2075	3161	7498810	80346714	314660
00004162	030-CLAYMAX200R	150	2075	3247	7498810	7473502	314660
00004163	030-CLAYMAX200R	150	2075	3246	7496777	7473502	314660
00004178	030-CLAYMAX200R	150	2075	3219	7496777	7496773	314660
00004209	030-CLAYMAX200R	150	2075	3158	7487687	7489277	314660
00004211	030-CLAYMAX200R	150	2075	3105	7487687	7489277	314660
00004212	030-CLAYMAX200R	150	2075	3155	7487687	7489277	314660
00004213	030-CLAYMAX200R	150	2075	3139	7487687	7489277	454698
00004246	030-CLAYMAX200R	150	2075	3189	7465076	7466506	446193
00004247	030-CLAYMAX200R	150	2075	3150	7465076	7466506	446193
00004248	030-CLAYMAX200R	150	2075	3138	7465076	7466506	446193
00004249	030-CLAYMAX200R	150	2075	3048	7465076	7466506	446193
00004251	030-CLAYMAX200R	150	2075	3097	7465076	7466506	446193
00004253	030-CLAYMAX200R	150	2075	2866	7465076	7466506	446193

TOTAL SQUARE FEET..... 31,125

TOTAL PAGES 1

CERTIFICATION PACKAGE 5

10/29/98

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY
234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

29-Oct-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipments to Tomoka Farms LF, Daytona Beach, FL. These shipments left our CETCO - Fairmount, GA, plant on 10/23/98-10/27/98 .

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

Printed on recycled paper.

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 67544,67547-67553

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

A Wholly Owned Subsidiary of AMCOL International

Printed on recycled paper

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**OCTOBER 23-27, 1998**
	67544,67547-67553
PRODUCT:	**BENTOMAT ST**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 29th **day of** Oct. **,19** 98 **.**

Judy Hall

Notary Public

OFFICIAL SEAL
JUDY HALL
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002

Printed on recycled paper

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT Tomoka Farms LF

ORDER #: 67544,67547-67553

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

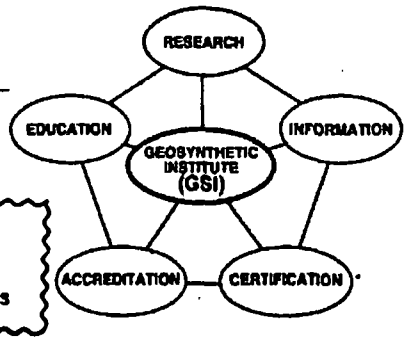
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willis
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 29th day of Oct. 1998.

Judy Hall
Notary Public

OFFICIAL SEAL
JUDY HALL
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002



STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE 1 O

Interstar

CARRIER NAME: NATIONWIDE

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 10/28/98

SHIPPER'S NO: 000067544

SHIP DATE: 10/28/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site #904-947-2952 Deliver by 3:30 pm

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
315,000		BENTOMAT ST.	44713
14 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	700
11 Bags		CG-50 SEAMING CLAY (10902/024) CLAY-BENTONITE-GROUND (CLASS 50) 3295232	

GROSS: .00 TARE: .00 NET: 45413

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

12:35

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

Todd Brown

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED

☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067544
ORDER DATE: 9/22/97
SHIP DATE:. 10/23/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199843030	00016041	150.0	15.0	2250.0	3225
030-BENTOMAT ST		SFT	SF 199843030	00016051	150.0	15.0	2250.0	3249
030-BENTOMAT ST		SFT	SF 199843030	00016087	150.0	15.0	2250.0	3292
030-BENTOMAT ST		SFT	SF 199843030	00016095	150.0	15.0	2250.0	3187
0-BENTOMAT ST		SFT	SF 199843030	00016128	150.0	15.0	2250.0	3145
030-BENTOMAT ST		SFT	SF 199843030	00016133	150.0	15.0	2250.0	3169
030-BENTOMAT ST		SFT	SF 199843030	00016139	150.0	15.0	2250.0	2848
030-BENTOMAT ST		SFT	SF 199843030	00016150	150.0	15.0	2250.0	3205
030-BENTOMAT ST		SFT	SF 199843030	00016151	150.0	15.0	2250.0	3206
030-BENTOMAT ST		SFT	SF 199843030	00016152	150.0	15.0	2250.0	3218
030-BENTOMAT ST		SFT	SF 199843030	00016153	150.0	15.0	2250.0	3268
030-BENTOMAT ST		SFT	SF 199843030	00016154	150.0	15.0	2250.0	3229
030-BENTOMAT ST		SFT	SF 199843030	00016155	150.0	15.0	2250.0	3225
030-BENTOMAT ST		SFT	SF 199843030	00016157	150.0	15.0	2250.0	3247
ORDER TOTALS.....							31500.0	44713.

TOTAL ITEMS..... 14

14 Bags

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE 1 O

CARRIER NAME: NATIONWIDE Plandstar

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PHONE: (904) 947 2952

DEL DATE: 10/26/98

SHIPPER'S NO: 000067547

SHIP DATE: 10/23/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA ,

ROUTING/CONTRACT:

Site# 904-947-2952

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
315000		BENTOMAT ST	44741
14 Rolls 150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	
		CG-50 SEAMING CLAY	700
1 Bags		(10902/024) CLAY-BENTONITE-GROUND (CLASS 50) 3295232	

GROSS: .00 TARE: .00 NET: 45441

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

3:10

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except [illegible] contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood [illegible] contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, [illegible] otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

Terry L Clark

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067547
ORDER DATE:. 9/22/97
SHIP DATE:. 10/23/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199843030	00016062	150.0	15.0	2250.0	3225
030-BENTOMAT ST		SFT	SF 199843030	00016065	150.0	15.0	2250.0	3137
030-BENTOMAT ST		SFT	SF 199843030	00016066	150.0	15.0	2250.0	3174
030-BENTOMAT ST		SFT	SF 199843030	00016079	150.0	15.0	2250.0	3273
030-BENTOMAT ST		SFT	SF 199843030	00016086	150.0	15.0	2250.0	3216
030-BENTOMAT ST		SFT	SF 199843030	00016088	150.0	15.0	2250.0	3257
030-BENTOMAT ST		SFT	SF 199843030	00016089	150.0	15.0	2250.0	3241
030-BENTOMAT ST		SFT	SF 199843030	00016096	150.0	15.0	2250.0	3189
030-BENTOMAT ST		SFT	SF 199843030	00016097	150.0	15.0	2250.0	3204
030-BENTOMAT ST		SFT	SF 199843030	00016098	150.0	15.0	2250.0	3138
030-BENTOMAT ST		SFT	SF 199843030	00016099	150.0	15.0	2250.0	3143
030-BENTOMAT ST		SFT	SF 199843030	00016118	150.0	15.0	2250.0	3183
030-BENTOMAT ST		SFT	SF 199843030	00016123	150.0	15.0	2250.0	3173
030-BENTOMAT ST		SFT	SF 199843030	00016127	150.0	15.0	2250.0	3188
							========	=======
ORDER TOTALS.....							31500.0	44741.

TOTAL ITEMS..... 14

STRAIGHT BILL OF LADING—ORIGINAL—~~NOT NEGOTIABLE~~ PAGE 1 O

CARRIER NAME: NATIONWIDE / TEI

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 10/20/98 SHIPPER'S NO: 000067548

SHIP DATE: [redacted] 10/23/9

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site #904-947-2952

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500 [redacted]			
14 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	44358 [redacted]
14 Bags		CG-50 SEAMING CLAY (10902/024) CLAY-BENTONITE-GROUND (CLASS 50) 3295232	700 [redacted]

GROSS: .00 TARE: .00 NET: 45058 [redacted]

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS
RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
Per _____

PLACARDS REQUIRED ☐ YES ☐ NO—FURNISHED BY CARRIER

PLACARDS SUPPLIED

DRIVERS SIGNATURE:

ORIGINAL

PACKING LIST

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067548
ORDER DATE: 9/22/97
SHIP DATE:. 10/23/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199843030	00016104	150.0	15.0	2250.0	3205
030-BENTOMAT ST		SFT	SF 199843030	00016106	150.0	15.0	2250.0	3260
030-BENTOMAT ST		SFT	SF 199843030	00016107	150.0	15.0	2250.0	3152
030-BENTOMAT ST		SFT	SF 199843030	00016108	150.0	15.0	2250.0	3149
0-BENTOMAT ST		SFT	SF 199843030	00016110	150.0	15.0	2250.0	3160
030-BENTOMAT ST		SFT	SF 199843030	00016111	150.0	15.0	2250.0	3156
030-BENTOMAT ST		SFT	SF 199843030	00016112	150.0	15.0	2250.0	3169
030-BENTOMAT ST		SFT	SF 199843030	00016113	150.0	15.0	2250.0	3156
030-BENTOMAT ST		SFT	SF 199843030	00016115	150.0	15.0	2250.0	3154
030-BENTOMAT ST		SFT	SF 199843030	00016119	150.0	15.0	2250.0	3179
030-BENTOMAT ST		SFT	SF 199843030	00016124	150.0	15.0	2250.0	3156
030-BENTOMAT ST		SFT	SF 199843030	00016125	150.0	15.0	2250.0	3152
030-BENTOMAT ST		SFT	SF 199843030	00016129	150.0	15.0	2250.0	3154
030-BENTOMAT ST		SFT	SF 199843030	00016130	150.0	15.0	2250.0	3156
ORDER TOTALS.....							31500.0	44358.

TOTAL ITEMS..... 14

14 Bags

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE 1 C

CARRIER NAME: NATIONWIDE Interstar

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 10/27/98

SHIPPER'S NO: 000067549

SHIP DATE: 10/26/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site# 904-947-2952

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	45808
14 Rolls 150'			700
4 Bags		CG-50 SEAMING CLAY (10902/024) CLAY-BENTONITE-GROUND (CLASS 50) 3295232	

GROSS: .00 TARE: .00 NET: 46508

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

12.50

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except [illegible] contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood [illegible] this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, [illegible] otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion [illegible] route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

Pete Stevens

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED

☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067549
ORDER DATE: 9/22/97
SHIP DATE:. 10/26/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199843030	00016045	150.0	15.0	2250.0	3294
030-BENTOMAT ST		SFT	SF 199843030	00016057	150.0	15.0	2250.0	3248
030-BENTOMAT ST		SFT	SF 199843030	00016058	150.0	15.0	2250.0	3257
030-BENTOMAT ST		SFT	SF 199843030	00016059	150.0	15.0	2250.0	3279
0-BENTOMAT ST		SFT	SF 199843030	00016060	150.0	15.0	2250.0	3273
030-BENTOMAT ST		SFT	SF 199843030	00016194	150.0	15.0	2250.0	3343
030-BENTOMAT ST		SFT	SF 199843030	00016201	150.0	15.0	2250.0	3298
030-BENTOMAT ST		SFT	SF 199843030	00016202	150.0	15.0	2250.0	3304
030-BENTOMAT ST		SFT	SF 199843030	00016203	150.0	15.0	2250.0	3280
030-BENTOMAT ST		SFT	SF 199843030	00016204	150.0	15.0	2250.0	3279
030-BENTOMAT ST		SFT	SF 199843030	00016207	150.0	15.0	2250.0	3208
030-BENTOMAT ST		SFT	SF 199843030	00016212	150.0	15.0	2250.0	3250
030-BENTOMAT ST		SFT	SF 199843030	00016213	150.0	15.0	2250.0	3246
030-BENTOMAT ST		SFT	SF 199843030	00016214	150.0	15.0	2250.0	3249
							========	=======
ORDER TOTALS.....							31500.0	45808.

TOTAL ITEMS..... 14

14 Bags

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE 1 O

CARRIER NAME: NATIONWIDE / Landstar

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 10/27/98

SHIPPER'S NO: 000067550

SHIP DATE: 10/26/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site # 904-947-2952

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500			
14 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	45766
		CG-50 SEAMING CLAY (10902/024) CLAY-BENTONITE-GROUND (CLASS 50) 3296232	700
1 Bags			

GROSS: .00 TARE: .00 NET: 46466

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

5:25

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED

☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067550
ORDER DATE: 9/22/97
SHIP DATE:. 10/26/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199843030	00016191	150.0	15.0	2250.0	3372
030-BENTOMAT ST		SFT	SF 199843030	00016192	150.0	15.0	2250.0	3196
030-BENTOMAT ST		SFT	SF 199843030	00016198	150.0	15.0	2250.0	3228
030-BENTOMAT ST		SFT	SF 199843030	00016199	150.0	15.0	2250.0	3322
0-BENTOMAT ST		SFT	SF 199843030	00016200	150.0	15.0	2250.0	3231
030-BENTOMAT ST		SFT	SF 199843030	00016215	150.0	15.0	2250.0	3243
030-BENTOMAT ST		SFT	SF 199843030	00016216	150.0	15.0	2250.0	3303
030-BENTOMAT ST		SFT	SF 199843030	00016217	150.0	15.0	2250.0	3266
030-BENTOMAT ST		SFT	SF 199843030	00016218	150.0	15.0	2250.0	3326
030-BENTOMAT ST		SFT	SF 199843030	00016223	150.0	15.0	2250.0	3342
030-BENTOMAT ST		SFT	SF 199843030	00016226	150.0	15.0	2250.0	3235
030-BENTOMAT ST		SFT	SF 199843030	00016227	150.0	15.0	2250.0	3221
030-BENTOMAT ST		SFT	SF 199843030	00016231	150.0	15.0	2250.0	3221
030-BENTOMAT ST		SFT	SF 199843030	00016232	150.0	15.0	2250.0	3260
ORDER TOTALS.....							31500.0	45766.

TOTAL ITEMS..... 14

14 Bags

2925

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1 O

Standard

CARRIER NAME: NATIONWIDE

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 10/28/98

SHIPPER'S NO: 000067551
SHIP DATE: 10/27/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051
CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site #904-947-2952
Please deliver by 3:30 pm

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
315000		BENTOMAT ST	44961
14 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	3000
1020 Bags (one pallet)		CG-50 SEAMING CLAY (10902/024) CLAY-BENTONITE-GROUND (CLASS 50) 3295232	

GROSS: .00 TARE: .00 NET: 45261

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Lyndon Howard

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
Per _____

PLACARDS REQUIRED ☐ YES ☐ NO

PLACARDS SUPPLIED ☐ NO—FURNISHED BY CARRIER
DRIVERS SIGNATURE:

ORIGINAL

PACKING LIST

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067551
ORDER DATE: 9/22/97
SHIP DATE:. 10/27/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199843030	00016238	150.0	15.0	2250.0	3226
030-BENTOMAT ST		SFT	SF 199843030	00016239	150.0	15.0	2250.0	3231
030-BENTOMAT ST		SFT	SF 199843030	00016240	150.0	15.0	2250.0	3225
030-BENTOMAT ST		SFT	SF 199843030	00016241	150.0	15.0	2250.0	3216
0-BENTOMAT ST		SFT	SF 199843030	00016242	150.0	15.0	2250.0	3236
030-BENTOMAT ST		SFT	SF 199843030	00016243	150.0	15.0	2250.0	3174
030-BENTOMAT ST		SFT	SF 199843030	00016244	150.0	15.0	2250.0	3240
030-BENTOMAT ST		SFT	SF 199843030	00016246	150.0	15.0	2250.0	2998
030-BENTOMAT ST		SFT	SF 199843030	00016247	150.0	15.0	2250.0	3243
030-BENTOMAT ST		SFT	SF 199843030	00016248	150.0	15.0	2250.0	3217
030-BENTOMAT ST		SFT	SF 199843030	00016250	150.0	15.0	2250.0	3208
030-BENTOMAT ST		SFT	SF 199843030	00016251	150.0	15.0	2250.0	3230
030-BENTOMAT ST		SFT	SF 199844030	00016278	150.0	15.0	2250.0	3257
030-BENTOMAT ST		SFT	SF 199844030	00016279	150.0	15.0	2250.0	3260
ORDER TOTALS.....							31500.0	44961.

TOTAL ITEMS..... 14

60 Bags

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1

CARRIER NAME: NATIONWIDE / Landstar DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 10/28/98 SHIPPER'S NO: 000067552
SHIP DATE: 10/27/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051
CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site# 904-947-2952
Please deliver by 3:30 pm

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
[redacted]		BENTOMAT ST	[redacted]
14 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	
[redacted]		[redacted]	[redacted]

GROSS: .00 TARE: .00 NET: 45913

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, ute, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:
scott Smith

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067552
ORDER DATE: 9/22/97
SHIP DATE:. 10/27/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199833030	00009703	150.0	15.0	2250.0	3049
030-BENTOMAT ST		SFT	SF 199833030	00009706	150.0	15.0	2250.0	3120
030-BENTOMAT ST		SFT	SF 199833030	00009715	150.0	15.0	2250.0	3039
030-BENTOMAT ST		SFT	SF 199836030	00011919	150.0	15.0	2250.0	3293
0-BENTOMAT ST		SFT	SF 199839030	00013561	150.0	15.0	2250.0	3287
030-BENTOMAT ST		SFT	SF 199839030	00013615	150.0	15.0	2250.0	3297
030-BENTOMAT ST		SFT	SF 199840030	00014531	150.0	15.0	2250.0	3455
030-BENTOMAT ST		SFT	SF 199841030	00014866	150.0	15.0	2250.0	3448
030-BENTOMAT ST		SFT	SF 199843030	00016229	150.0	15.0	2250.0	3289
030-BENTOMAT ST		SFT	SF 199843030	00016234	150.0	15.0	2250.0	3285
030-BENTOMAT ST		SFT	SF 199843030	00016235	150.0	15.0	2250.0	3231
030-BENTOMAT ST		SFT	SF 199843030	00016236	150.0	15.0	2250.0	3231
030-BENTOMAT ST		SFT	SF 199844030	00016332	150.0	15.0	2250.0	3514
030-BENTOMAT ST		SFT	SF 199844030	00016333	150.0	15.0	2250.0	3375
							========	=======
ORDER TOTALS.....							31500.0	45913.

TOTAL ITEMS..... 14

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE 1

CARRIER NAME: NATIONWIDE / Kentucky May

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 10/28/96

SHIPPER'S NO: 000067553

SHIP DATE: 10/27/96

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site#904-947-2952
Please deliver by 3:30pm

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

29,250

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
19 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	41892
1020 Bags (one pallet)		CG-50 SEAMING CLAY (10902/024) CLAY-BENTONITE-GROUND (CLASS 50) 3295232	3000

GROSS: .00 TARE: .00 NET: 44892

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED

☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067553
ORDER DATE: 9/22/97
SHIP DATE:. 10/27/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199843030	00016245	150.0	15.0	2250.0	3254
030-BENTOMAT ST		SFT	SF 199843030	00016249	150.0	15.0	2250.0	3177
030-BENTOMAT ST		SFT	SF 199843030	00016252	150.0	15.0	2250.0	3231
030-BENTOMAT ST		SFT	SF 199843030	00016253	150.0	15.0	2250.0	3226
0-BENTOMAT ST		SFT	SF 199843030	00016254	150.0	15.0	2250.0	3245
030-BENTOMAT ST		SFT	SF 199843030	00016255	150.0	15.0	2250.0	3251
030-BENTOMAT ST		SFT	SF 199843030	00016256	150.0	15.0	2250.0	3221
030-BENTOMAT ST		SFT	SF 199843030	00016257	150.0	15.0	2250.0	3185
030-BENTOMAT ST		SFT	SF 199843030	00016258	150.0	15.0	2250.0	3219
030-BENTOMAT ST		SFT	SF 199843030	00016259	150.0	15.0	2250.0	3219
030-BENTOMAT ST		SFT	SF 199843030	00016260	150.0	15.0	2250.0	3220
030-BENTOMAT ST		SFT	SF 199843030	00016268	150.0	15.0	2250.0	3206
030-BENTOMAT ST		SFT	SF 199843030	00016270	150.0	15.0	2250.0	3238

ORDER TOTALS.....	29250.0	41892.
TOTAL ITEMS..... 13		

60 Bags

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067544

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199843030	00016157	1.01	14.00	117.80	18.50
030-BENTOMAT ST	199843030	00016155	1.01	14.00	117.80	18.50
030-BENTOMAT ST	199843030	00016154	1.01	14.00	117.80	18.50
030-BENTOMAT ST	199843030	00016153	1.01	14.00	117.80	18.50
030-BENTOMAT ST	199843030	00016152	1.01	14.00	117.80	18.50
030-BENTOMAT ST	199843030	00016151	1.01	14.00	117.80	18.50
030-BENTOMAT ST	199843030	00016150	1.01	14.00	117.80	18.50
030-BENTOMAT ST	199843030	00016139	.98	14.00	117.80	21.20
030-BENTOMAT ST	199843030	00016133	.98	14.00	117.80	23.50
030-BENTOMAT ST	199843030	00016128	.98*	14.00	117.80	23.50*
030-BENTOMAT ST	199843030	00016095	1.04	14.00	117.80	44.50
030-BENTOMAT ST	199843030	00016087	1.04	14.00	117.80	24.50
030-BENTOMAT ST	199843030	00016051	1.03	17.60	131.00	43.10

NOTE:
An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067547

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199843030	00016127	1.01	14.00	117.80	27.40
030-BENTOMAT ST	199843030	00016123	1.01	14.00	117.80	27.40
030-BENTOMAT ST	199843030	00016118	1.01	14.00	117.80	29.90
030-BENTOMAT ST	199843030	00016099	1.02	14.00	117.80	32.60
030-BENTOMAT ST	199843030	00016098	1.02	14.00	117.80	32.60
030-BENTOMAT ST	199843030	00016097	1.02	14.00	117.80	32.60
030-BENTOMAT ST	199843030	00016096	1.02*	14.00	117.80	32.60*
030-BENTOMAT ST	199843030	00016089	1.04	14.00	117.80	44.50
030-BENTOMAT ST	199843030	00016088	1.04	14.00	117.80	44.50*
030-BENTOMAT ST	199843030	00016086	1.04	14.00	117.80	24.50
030-BENTOMAT ST	199843030	00016079	1.04*	14.00	117.80	24.50*
030-BENTOMAT ST	199843030	00016066	.95	14.00	117.80	21.20
030-BENTOMAT ST	199843030	00016065	.95	14.00	117.80	21.20
030-BENTOMAT ST	199843030	00016062	1.03	17.60	131.00	43.10

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067548

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199843030	00016130	.98	14.00	117.80	23.50
030-BENTOMAT ST	199843030	00016129	.98	14.00	117.80	23.50
030-BENTOMAT ST	199843030	00016125	1.01	14.00	117.80	27.40
030-BENTOMAT ST	199843030	00016124	1.01	14.00	117.80	27.40
030-BENTOMAT ST	199843030	00016119	1.01	14.00	117.80	29.90
030-BENTOMAT ST	199843030	00016115	1.01	14.00	117.80	29.90
030-BENTOMAT ST	199843030	00016113	1.01	14.00	117.80	29.90
030-BENTOMAT ST	199843030	00016112	1.01*	14.00	117.80	29.90*
030-BENTOMAT ST	199843030	00016111	1.02	14.00	117.80	33.40
030-BENTOMAT ST	199843030	00016110	1.02	14.00	117.80	33.40
030-BENTOMAT ST	199843030	00016108	1.02	14.00	117.80	33.40
030-BENTOMAT ST	199843030	00016107	1.02	14.00	117.80	33.40
030-BENTOMAT ST	199843030	00016106	1.02	14.00	117.80	33.40
030-BENTOMAT ST	199843030	00016104	1.02	14.00	117.80	33.40*

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA.
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067549

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199843030	00016214	1.03	14.80	129.20	30.90
030-BENTOMAT ST	199843030	00016213	1.03	14.80	129.20	30.90
030-BENTOMAT ST	199843030	00016212	1.03	14.80	129.20	30.90
030-BENTOMAT ST	199843030	00016207	1.03*	14.80	129.20	30.90*
030-BENTOMAT ST	199843030	00016204	1.02	14.80	129.20	32.40
030-BENTOMAT ST	199843030	00016203	1.02	14.80	129.20	32.40
030-BENTOMAT ST	199843030	00016202	1.02	14.80	129.20	32.40
030-BENTOMAT ST	199843030	00016201	1.02	14.80	129.20	32.40
030-BENTOMAT ST	199843030	00016194	1.02	14.80	129.20	18.40
030-BENTOMAT ST	199843030	00016060	1.03	17.60	131.00	43.10
030-BENTOMAT ST	199843030	00016059	1.03	17.60	131.00	43.10
030-BENTOMAT ST	199843030	00016058	1.03	17.60	131.00	43.10
030-BENTOMAT ST	199843030	00016057	1.03	17.60	131.00	43.10
030-BENTOMAT ST	199843030	00016045	1.03	17.60	131.00	34.30

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067550

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199843030	00016232	1.06	14.80	129.20	19.00
030-BENTOMAT ST	199843030	00016231	1.06	14.80	129.20	19.00
030-BENTOMAT ST	199843030	00016227	1.06	14.80	129.20	26.40
030-BENTOMAT ST	199843030	00016226	1.06	14.80	129.20	26.40
030-BENTOMAT ST	199843030	00016223	1.06*	14.80	129.20	26.40*
030-BENTOMAT ST	199843030	00016218	1.03	14.80	129.20	28.00
030-BENTOMAT ST	199843030	00016217	1.03	14.80	129.20	28.00
030-BENTOMAT ST	199843030	00016216	1.03	14.80	129.20	28.00
030-BENTOMAT ST	199843030	00016215	1.03	14.80	129.20	28.00*
030-BENTOMAT ST	199843030	00016200	1.02	14.80	129.20	32.40
030-BENTOMAT ST	199843030	00016199	1.02	14.80	129.20	32.40*
030-BENTOMAT ST	199843030	00016198	1.02	14.80	129.20	18.40
030-BENTOMAT ST	199843030	00016192	1.02	14.80	129.20	18.40
030-BENTOMAT ST	199843030	00016191	1.02*	14.80*	129.20*	18.40*

NOTE:

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If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067551

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199844030	00016279	1.03	15.20	123.40	27.30
030-BENTOMAT ST	199844030	00016278	1.03	15.20	123.40	27.30
030-BENTOMAT ST	199843030	00016251	1.05	14.80	129.20	25.70
030-BENTOMAT ST	199843030	00016250	1.05	14.80	129.20	25.70
030-BENTOMAT ST	199843030	00016248	1.05	14.80	129.20	25.70
030-BENTOMAT ST	199843030	00016247	1.05	14.80	129.20	25.70
030-BENTOMAT ST	199843030	00016246	1.05	14.80	129.20	25.70
030-BENTOMAT ST	199843030	00016244	1.05	14.80	129.20	18.30
030-BENTOMAT ST	199843030	00016243	1.05	14.80	129.20	18.30
030-BENTOMAT ST	199843030	00016242	1.05	14.80	129.20	18.30
030-BENTOMAT ST	199843030	00016241	1.05	14.80	129.20	18.30
030-BENTOMAT ST	199843030	00016240	1.05	14.80	129.20	18.30
030-BENTOMAT ST	199843030	00016239	1.05	14.80	129.20	18.30
030-BENTOMAT ST	199843030	00016238	1.05	14.80	129.20	18.30

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Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067552

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199844030	00016333	1.02	20.00	178.60	21.60
030-BENTOMAT ST	199844030	00016332	1.02	20.00	178.60	21.60
030-BENTOMAT ST	199843030	00016236	1.06	14.80	129.20	19.00
030-BENTOMAT ST	199843030	00016235	1.06	14.80	129.20	19.00
030-BENTOMAT ST	199843030	00016234	1.06	14.80	129.20	19.00
030-BENTOMAT ST	199843030	00016229	1.06	14.80	129.20	19.00*
030-BENTOMAT ST	199841030	00014866	1.04*	13.60	116.60	22.10*
030-BENTOMAT ST	199840030	00014531	1.05	12.40	99.40	20.00
030-BENTOMAT ST	199839030	00013615	1.09	16.80	136.80	22.00
030-BENTOMAT ST	199839030	00013561	1.02	14.80	124.20	22.70
030-BENTOMAT ST	199836030	00011919	1.06	12.40	109.00	22.20*
030-BENTOMAT ST	199833030	00009715	1.02	16.00	130.60	29.20
030-BENTOMAT ST	199833030	00009706	1.02	16.00	130.60	36.40
030-BENTOMAT ST	199833030	00009703	1.00	16.00	130.60	17.80

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Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067553

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199843030	00016270	.96	14.80	129.20	39.10
030-BENTOMAT ST	199843030	00016268	1.04	14.80	129.20	30.50
030-BENTOMAT ST	199843030	00016260	1.04	14.80	129.20	21.30
030-BENTOMAT ST	199843030	00016259	1.04	14.80	129.20	21.30
030-BENTOMAT ST	199843030	00016258	1.04	14.80	129.20	21.30
030-BENTOMAT ST	199843030	00016257	1.04	14.80	129.20	21.30
030-BENTOMAT ST	199843030	00016256	1.04	14.80	129.20	21.30
030-BENTOMAT ST	199843030	00016255	1.04	14.80	129.20	21.30
030-BENTOMAT ST	199843030	00016254	1.04	14.80	129.20	21.30
030-BENTOMAT ST	199843030	00016253	1.04*	14.80	129.20	21.30*
030-BENTOMAT ST	199843030	00016252	1.05	14.80	129.20	25.70
030-BENTOMAT ST	199843030	00016249	1.05	14.80	129.20	25.70
030-BENTOMAT ST	199843030	00016245	1.05	14.80	129.20	25.70*

NOTE:
An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067544

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199842010	00002390	6.9	22.7	156.2
030-NON-WOVEN	199842010	00002391	6.5	15.7	144.0
030-NON-WOVEN	199842010	00002402	6.6	36.4	161.0
030-NON-WOVEN	199842010	00002403	6.5	9.9	119.6
030-NON-WOVEN	199842010	00002415	6.6	19.6	145.5

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067547

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199840010	00002311	6.8	18.5	152.7
030-NON-WOVEN	199842010	00002390	6.9	22.7	156.2
030-NON-WOVEN	199842010	00002391	6.5	15.7	144.0
030-NON-WOVEN	199842010	00002402	6.6	36.4	161.0
030-NON-WOVEN	199842010	00002423	6.6	19.6	145.5

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067548

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199839010	00002234	7.1	44.9	170.1
030-NON-WOVEN	199840010	00002263	6.3	9.6	145.3
030-NON-WOVEN	199840010	00002311	6.8	18.5	152.7
030-NON-WOVEN	199842010	00002390	6.9	22.7	156.2

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067549

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199842010	00002403	6.5	9.9	119.6
030-NON-WOVEN	199842010	00002412	6.4	15.4	130.2
030-NON-WOVEN	199843010	00002422	6.5	32.3	164.2
030-NON-WOVEN	199843010	00002436	6.4	20.1	170.0
030-NON-WOVEN	199843010	00002453	6.6	18.1	155.5

QCG#TF3 QCT#TF3
10/27/98 15:48:19

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067550

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199842010	00002412	6.4	15.4	130.2
030-NON-WOVEN	199842010	00002413	6.4	15.4	130.2
030-NON-WOVEN	199842010	00002414	6.4	15.4	130.2
030-NON-WOVEN	199842010	00002420	6.6	19.6	145.5
030-NON-WOVEN	199843010	00002436	6.4	20.1	170.0

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT.GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067551

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199842010	00002414	6.4	15.4	130.2
030-NON-WOVEN	199843010	00002452	6.6	18.1	155.5
030-NON-WOVEN	199843010	00002454	6.6	18.1	155.5
030-NON-WOVEN	199843010	00002456	6.6	18.1	155.5

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067552

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199831010	00001721	6.4	24.4	146.8
030-NON-WOVEN	199831010	00001765	7.1	45.9	160.9
030-NON-WOVEN	199831010	00001775	6.3	12.9	135.8
030-NON-WOVEN	199840010	00002268	6.8	19.5	166.4
030-NON-WOVEN	199840010	00002275	6.6	13.4	146.4
030-NON-WOVEN	199842010	00002413	6.4	15.4	130.2
030-NON-WOVEN	199842010	00002414	6.4	15.4	130.2

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067553

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199843010	00002452	6.6	18.1	155.5
030-NON-WOVEN	199843010	00002454	6.6	18.1	155.5
030-NON-WOVEN	199843010	00002455	6.6	18.1	155.5

TOTAL PAGES 1

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

July 30, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #: 176103
PO# 0-DH1-21034

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:176103

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7263245	153 x 153	23 x 26	313	3.5
7292642	154 x 161	23 x 28	315	3.4
7294172	153 x 149	23 x 27	291	3.5
7294173	152 x 137	22 x 28	313	3.6
7294175	139 x 149	23 x 29	315	3.5
7297928	139 x 149	21 x 27	303	3.5
7298179	144 x 138	22 x 25	313	3.4
7301110	162 x 154	23 x 24	326	3.5
7301114	158 x 157	26 x 30	313	3.5
7302347	163 x 157	25 x 31	286	3.6
7302348	151 x 154	25 x 29	326	3.6
7302790	167 x 167	23 x 29	316	3.4
7303435	152 x 143	24 x 26	293	3.4
7303439	160 x 141	22 x 24	305	3.4
7303770	161 x 145	27 x 25	318	3.5
7303777	168 x 154	25 x 28	335	3.5
7305174	146 x 151	27 x 28	318	3.5
7306208	157 x 160	25 x 31	296	3.6
7306484	156 x 144	25 x 25	318	3.5
7306487	144 x 144	23 x 29	286	3.5
7308730	153 x 145	24 x 29	320	3.5
7308998	159 x 156	26 x 31	291	3.6
7309002	163 x 145	22 x 26	323	3.5
7309003	167 x 149	23 x 26	326	3.4
7309004	159 x 142	24 x 27	306	3.5
7312097	152 x 144	24 x 26	300	3.5
7312952	167 x 163	24 x 25	340	3.4
7316646	163 x 154	22 x 22	343	3.5
7317875	140 x 137	22 x 24	300	3.4
7317901	142 x 135	22 x 26	326	3.4
7319381	163 x 153	25 x 27	313	3.5
7319813	164 x 148	23 x 26	290	3.4
7319829	163 x 149	25 x 26	316	3.5
7319835	159 x 149	22 x 24	308	3.4
7331501	146 x 137	24 x 27	310	3.4
7397292	158 x 151	23 x 26	315	3.4
7398294	163 x 160	25 x 29	316	3.5

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:176103

Style: 82TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7291758	144 x 154	22 x 25	320	3.5
7303772	144 x 154	22 x 25	320	3.5
7303776	144 x 154	22 x 25	320	3.5

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

ISO 9002 CERTIFIED World Class Quality

August 4, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #:176343
PO# 0-DH1-21090

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

ISO 9002 CERTIFIED World Class Quality

BOL:176343

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-4533 TRAP TEAR (LBS) W x F
7208260	151 x 137	24 x 23	318	69 x 77
7272500	167 x 156	24 x 25	326	72 x 90
7284605	167 x 148	23 x 24	300	71 x 80
7285056	142 x 141	21 x 24	301	63 x 80
7285376	161 x 147	25 x 24	316	65 x 74
7292644	137 x 147	22 x 27	306	72 x 82
7296517	148 x 148	22 x 28	305	60 x 83
7298177	147 x 139	20 x 22	325	59 x 75
7301112	164 x 147	25 x 27	318	67 x 83
7301113	157 x 148	22 x 24	303	76 x 77
7302349	158 x 156	24 x 28	316	69 x 84
7302791	175 x 144	25 x 25	326	81 x 90
7302795	159 x 140	25 x 28	316	72 x 76
7302796	166 x 152	25 x 30	293	70 x 87
7302798	169 x 154	25 x 27	336	76 x 91
7303433	159 x 138	23 x 24	290	73 x 84
7303437	153 x 153	21 x 28	301	64 x 69
7306212	159 x 144	23 x 28	333	68 x 81
7308728	163 x 155	24 x 28	295	69 x 82
7308729	158 x 155	25 x 29	316	75 x 88
7308732	159 x 153	23 x 25	323	70 x 85
7312091	158 x 137	24 x 25	303	71 x 76
7312092	158 x 150	24 x 30	311	67 x 82
7312094	154 x 144	21 x 27	308	70 x 83
7312098	148 x 166	24 x 24	311	62 x 84
7312632	162 x 153	23 x 27	320	77 x 84
7312634	151 x 141	22 x 25	310	69 x 79
7317895	145 x 141	21 x 27	286	66 x 79
7320204	159 x 144	22 x 26	323	71 x 79
7320205	154 x 146	24 x 25	306	70 x 77
7405688	166 x 154	22 x 24	313	70 x 78
7410934	148 x 162	26 x 31	313	63 x 80
7411412	155 x 140	23 x 26	313	66 x 77
7412151	161 x 148	22 x 24	306	70 x 79
7414566	153 x 153	23 x 27	320	69 x 83
80306147	139 x 138	19 x 23	313	66 x 75
80306148	139 x 138	19 x 23	313	66 x 75

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

ISO 9002 CERTIFIED World Class Quality

BOL:176343

Style:82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-4533 TRAP TEAR (LBS) W x F
74112152	161 x 148	22 x 24	306	70 x 79

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SYNTHETIC INDUSTRIES
Geosynthetic Products Division

September 10, 1998

American Colloid Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #177542
PO# O-DH1-22152

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D 4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D 4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0 425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:177542

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7149417	158 x 150	25 x 24	336	3.9
7161118	154 x 135	23 x 25	300	3.2
7162173	155 x 151	24 x 26	325	3.4
7162174	157 x 149	23 x 25	306	3.3
7162175	157 x 147	25 x 25	308	3.3
7163371	153 x 165	24 x 27	320	3.6
7164713	142 x 143	22 x 25	286	3.3
7165730	153 x 142	23 x 24	323	3.6
7165734	153 x 146	25 x 25	303	3.4
7165794	158 x 161	24 x 23	326	3.6
7166640	163 x 152	23 x 25	323	3.3
7167622	152 x 140	23 x 24	323	3.4
7167630	159 x 150	23 x 24	326	3.3
7168642	150 x 151	24 x 25	316	3.6
7169197	161 x 140	23 x 23	323	3.3
7172179	148 x 141	23 x 25	306	3.5
7173622	155 x 144	23 x 24	320	3.5
7173623	161 x 136	24 x 23	306	3.2
7175635	148 x 156	24 x 25	316	3.3
7180039	160 x 139	24 x 23	303	3.3
7188238	159 x 150	24 x 25	310	3.4
7190975	143 x 136	21 x 24	306	3.3
7197671	155 x 136	22 x 22	310	3.3
7197672	158 x 144	22 x 22	313	3.4
7201330	148 x 139	23 x 23	303	3.3
7202892	153 x 147	22 x 24	318	3.4
7202894	155 x 146	21 x 21	305	3.4
7206504	148 x 139	22 x 24	308	3.3
7207883	155 x 146	23 x 22	326	3.4
7208262	160 x 147	24 x 24	308	3.4
7208265	154 x 136	22 x 23	305	3.3
7209618	163 x 159	24 x 26	320	3.5
7211849	167 x 154	24 x 25	316	3.4
7211850	156 x 143	23 x 22	333	3.4
7227415	165 x 144	24 x 23	316	3.3
7249230	157 x 150	25 x 22	323	3.4
7250388	148 x 139	22 x 22	306	3.4

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

ROLL:177542

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7263246	159 x 152	24 x 27	315	3.5
7316654	135 x 135	15 x 15	300	3.5
7360515	166 x 148	22 x 24	350	3.4
7377286	156 x 159	23 x 26	316	3.5
7381537	169 x 143	22 x 26	331	3.5
7435226	158 x 150	21 x 23	308	3.4
7435228	150 x 145	20 x 24	331	3.3
7439516	159 x 155	21 x 23	325	3.4

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

September 23, 1998

American Colloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #178226
PO #O-DH1-22375

This is to certify that Style 82 Tex, a woven polypropylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd²	105 g/m²
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D 4533	45 X 45 LDS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

178226

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7453964	148 x 136	21 x 23	310	3.5
7460949	163 x 160	24 x 28	313	3.5
7461443	157 x 144	22 x 22	351	3.5
7462765	166 x 159	26 x 24	330	3.5
7462766	178 x 168	25 x 25	326	3.6
7462767	170 x 151	20 x 21	330	3.4
7463901	165 x 162	24 x 25	330	3.6
7463902	160 x 155	25 x 24	323	3.5
7463903	177 x 154	24 x 22	330	3.5
7469584	163 x 149	22 x 23	326	3.4
7469585	150 x 150	21 x 25	320	3.4
7469586	158 x 145	23 x 25	346	3.5
7469887	156 x 146	25 x 25	310	3.5
7469888	144 x 165	24 x 25	350	3.7
7470168	159 x 145	22 x 21	326	3.4
70169	146 x 149	23 x 27	323	3.5
7470951	163 x 142	23 x 33	330	3.5
7471529	158 x 157	21 x 25	348	3.4
7471531	170 x 166	25 x 22	338	3.6
7473263	169 x 145	26 x 25	338	3.5

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

September 25, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #178375
PO #O-DH1-22375

This is to certify that Style 8Z Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:178375

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7462768	177 x 162	23 x 23	328	3.5
7462769	165 x 158	22 x 29	343	3.4
7464674	154 x 150	23 x 24	340	3.5
7469587	171 x 161	22 x 21	360	3.6
7469588	165 x 144	22 x 24	336	3.4
7470167	164 x 152	24 x 24	343	3.4
7470170	156 x 149	21 x 19	337	3.5
7470171	169 x 157	23 x 31	346	3.5
7470172	149 x 150	21 x 24	321	3.4
7470953	156 x 140	21 x 21	343	3.5
7470954	172 x 147	24 x 19	340	3.6
7470955	159 x 140	22 x 23	366	3.5
7470956	156 x 143	24 x 24	331	3.5
7471530	175 x 162	26 x 23	353	3.7
7471532	161 x 147	22 x 20	350	3.5
7471533	163 x 152	23 x 25	338	3.5
7473264	170 x 143	23 x 22	306	3.4
7473265	170 x 153	23 x 25	350	3.5
7473266	170 x 157	25 x 28	331	3.5
7473824	179 x 142	23 x 23	328	3.4
7473825	173 x 147	24 x 28	350	3.5
7476914	165 x 152	21 x 20	363	3.4
7478435	154 x 148	30 x 36	323	3.5
7480044	180 x 165	28 x 33	341	3.5

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

September 29, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #178517
PO #O-OCW-22438

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

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Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

..178517

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7435227	153 x 149	21 x 27	335	3.3
7468527	161 x 151	24 x 28	346	3.4
7469590	161 x 152	21 x 27	326	3.4
7469591	148 x 141	20 x 23	306	3.3
7469892	154 x 150	23 x 20	363	3.6
7470173	162 x 145	22 x 22	333	3.5
7470174	145 x 142	20 x 25	336	3.4
7470175	147 x 154	19 x 27	343	3.5
7470957	155 x 139	25 x 24	326	3.5
7470958	161 x 141	23 x 24	330	3.5
7471534	155 x 154	22 x 27	338	3.5
7471535	161 x 151	28 x 30	343	3.6
7471536	161 x 153	22 x 26	343	3.6
7473267	163 x 149	23 x 26	313	3.5
7473268	179 x 154	30 x 28	343	3.5
7473269	162 x 158	23 x 25	326	3.6
7473826	169 x 146	24 x 23	340	3.5
7473827	163 x 151	26 x 28	346	3.5
7478436	149 x 147	22 x 25	318	3.5
7478437	162 x 161	27 x 30	336	3.6
7478438	150 x 138	20 x 22	316	3.4
7480047	158 x 158	23 x 26	320	3.5
7480048	181 x 155	24 x 24	340	3.4
7481312	168 x 157	24 x 27	336	3.5
7482270	158 x 137	25 x 26	310	3.4

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 20, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #179306
PO# O-DH1-22705

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the *mean minus* two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D 4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

LOL:179306

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7487158	155 x 149	23 x 24	314	3.5
7487954	153 x 149	22 x 23	309	3.4
7489094	169 x 171	24 x 24	364	3.6
7489147	158 x 150	23 x 24	309	3.4
7489151	163 x 150	25 x 24	310	3.4
7489214	155 x 138	22 x 24	296	3.3
7490580	137 x 153	24 x 26	324	3.5
7495455	143 x 155	25 x 29	331	3.5
7495457	142 x 157	23 x 28	317	3.4
7496267	180 x 159	25 x 26	348	3.5
7496270	154 x 161	27 x 32	356	3.6
7497837	152 x 150	22 x 21	329	3.4
7497838	151 x 154	23 x 21	329	3.4
7499071	154 x 147	23 x 23	310	3.4
7502450	147 x 157	23 x 23	324	3.5
7502451	143 x 152	26 x 27	329	3.4
7503079	151 x 143	21 x 23	337	3.4
7503454	158 x 153	23 x 25	321	3.5
7504203	137 x 139	21 x 27	326	3.4
7504204	137 x 151	21 x 25	326	3.4
7504640	156 x 145	22 x 24	346	3.4
7504919	156 x 138	22 x 24	321	3.4
7504974	166 x 160	26 x 28	344	3.5

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SYNTHETIC INDUSTRIES
Geosynthetic Products Division

October 21, 1998

American Colloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #179435
PO# O DH1-22708

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D 4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:179435

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7481321	156 x 155	25 x 29	330	3.5
7484555	143 x 139	23 x 22	305	3.4
7487954A	153 x 149	22 x 23	309	3.4
7488232	145 x 142	23 x 24	304	3.4
7488653	142 x 137	22 x 24	309	3.3
7489091	160 x 147	23 x 22	340	3.6
7489095	158 x 168	26 x 30	331	3.8
7495451	153 x 147	26 x 27	324	3.5
7495458	160 x 164	23 x 26	336	3.6
7496271	155 x 158	23 x 27	355	3.4
7496272	164 x 160	28 x 28	333	3.5
7501461	165 x 162	26 x 29	332	3.5
7502452	146 x 151	24 x 25	302	3.5
7504920	159 x 143	28 x 25	327	3.4
7505598	152 x 145	23 x 24	321	3.4
7505611	153 x 160	21 x 26	332	3.5
7505838	166 x 147	23 x 28	339	3.3
7506175	147 x 135	21 x 22	325	3.2
7506176	170 x 140	22 x 21	306	3.3
7506220	150 x 156	25 x 25	340	3.4
7506229	169 x 145	22 x 22	313	3.4
7507257	172 x 158	28 x 31	314	3.5
7507393	157 x 150	26 x 26	322	3.5

Synthetic Industries, Inc.
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Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

September 4, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
BoL: 624947 624951 624955 624960 624970 PO 0DH1-22153

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser
Technical Manager
Performance Nonwovens Division

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Synthetic Industries, Inc.
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98 14:39 Page 1

Synthetic Industries
Individual Roll Data
Bill of Lading:624970

Roll Number	Style	Mass/ Unit Qay D5261	Nah Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833
B801122A	650	6.6	127	90	120	101	118	43	75	210	58
B801128A	650	7.2	132	97	137	101	118	51	52	239	67
B801129A	650	6.8	136	92	136	107	124	48	42	220	56
B801132A	650	7.0	127	88	134	100	122	48	43	226	50
B801133A	650	7.1	135	95	113	110	126	49	57	212	56
B801135A	650	6.8	137	91	127	99	115	45	42	227	59
B801138A	650	6.2	126	93	108	98	132	50	47	217	61

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that the rolls produced during the production run meets our published minimum average roll values, approved rolls are shipped for ... until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence the test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

9/98 14:36 Page 1

Synthetic Industries
Individual Roll Data
Bill of Lading 624951

Roll Number	Style	Mass/ Unit Osy DS261	Lab Thick mils DS199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833
B801075A	650	7.0	130	110	137	120	151	50	49	226	63
B801077A	650	7.3	135	114	154	117	166	57	62	230	61
B801080A	650	7.5	140	111	152	124	159	46	61	340	78

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles : one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal ear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties or style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and ermittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for erformance properties will vary depending upon production schedules, product availability, customer requirements, job pecifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to eet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries d ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that ials produced during the production run meets our published minimum average roll values, approved rolls are shipped for e until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence t results listed above may include data from rolls which were not shipped. However, the data provided is from the same oduction run as the rolls actually shipped on this bill of lading.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 29, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
BoL; 625615 PO 0-0CW-22844

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

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Synthetic Industries, Inc.
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10/27/98 15:00 Page 1

Synthetic Industries
Individual Roll Data
Bill of Lading:625615

Roll Number	Style	Mass/ Unit Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833
B8012SGA	650	7.1	143	100	130	98	118	49	45	211	76
B801313A	650	6.9	140	92	112	99	136	43	42	219	66
B8C1327A	650	6.7	138	114	139	111	112	50	56	211	71

Sid Wussi

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

September 23, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
BoL: 625192, 625193 , 625195 PO 0-DH1-22377

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

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Synthetic Industries, Inc.
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Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

09/22/98 16:21 Page 1

Synthetic Industries
Individual Roll Data
Bill of Lading:625195

Roll Number	Style	Mass/ Unit Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833
B601353A	650	7.0	135	95	122	95	120	46	46	220	64
B801783A	650	7.0	139	100	173	101	117	43	54	231	76
B801786A	650	6.5	130	90	137	104	129	46	49	216	59

Sid Wessi

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequen test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

09/22/98 16:11 Page 1

Synthetic Industries
Individual Roll Data
Bill of Lading:625192

Roll Number	Style	Mass/ Unit Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833
B801357A	650	6.9	130	95	112	105	119	43	43	213	63
B601721A	650	6.8	136	116	175	105	122	51	57	231	77

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

09/22/98 16:12 Page 1

Synthetic Industries
Individual Roll Data
Bill of Lading:625195

Roll Number	Style	Mass/ Unit Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833
B801959A	650	7.0	135	95	122	95	120	46	46	220	64
B801783A	650	7.0	139	100	173	101	117	43	54	231	76
B801786A	650	6.5	130	90	137	104	129	46	49	216	59

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequen- test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 1, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
Bol; 625177

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than as to title of delivery it shall be of the quality and specifications listed herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1997

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

10/01/98 10:10 Page 1

Synthetic Industries
Individual Roll Data
Bill of Lading:635177

Roll Number	Style	Mass/ Unit Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833
B801551A	650	6.3	123	94	116	107	119	55	49	203	65
B801558A	650	7.2	142	93	170	97	124	59	56	234	73
B801561A	650	6.9	134	83	149	115	119	47	57	223	60
B801596A	650	6.8	128	85	156	118	126	54	65	219	66
B801647A	650	6.8	127	99		106		47		203	76

Sid Wessa

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 7, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
BoL; 625355 PO 0-DH1-22585

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1897*

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

10/22/98 15:37 Page 1

Synthetic Industries
Individual Roll Data
Bill of Lading:625355

Roll Number	Style	Mass/ Unit Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833
B801706A	650	6.8	136	106	155	107	126	45	57	232	66
B801712A	650	6.8	132	108	148	105	115	41	49	236	73
B801719A	650	6.8	134	97	137	102	116	41	46	209	63
B801732A	650	6.9	141	110	153	108	115	60	65	238	77

Bill Wenzel

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 14, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
BoL; 625367-625388 PO 0-DH1-22585

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1997.

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

10/08/98 08:20 Page 1

Synthetic Industries
Individual Roll Data
Bill of Lading:625367

Roll Number	Style	Mass/ Unit Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833
B801310A	650	6.9	144	106	123	100	130	41	48	230	60
B801659A	650	7.0	137	99	181	106	129	48	56	234	74
B801676A	650	7.1	139	110	169	103	119	50	60	231	70

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

10/04/98 14:43 Page 1

Synthetic Industries
Individual Roll Data
Bill of Lading:625388

Roll Number	Style	Mass/ Unit Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833
B801253A	650	7.2	145	115	123	104	132	54	40	219	67
B801288A	650	6.5	132	73	113	94	122	43	37	200	62

Sid Wesson

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 26-Aug-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **22-Aug-98**
in **BN 450233**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **D.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **90524**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 02-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **31-Aug-98**
in **BN 453242**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	8.8
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **R.P.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **90548**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 03-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **01-Sep-98**
in **ATSF 314014**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **90549**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 09-Sep-98

TO: CETCO - CLAYMAX CORP.
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: CYNTHIA WILLIX

Dear Sirs:

A shipment of CG 60
left our Lovell, WY plant on 14-Aug-98
in BN 453209
as requested on your order no. VERBAL

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	7.2
FREE SWELL	ASTM D 5890	24 MIN.	25
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: C.L.

Approved By: MOSES BRISENO

CETCO

In any correspondence regarding this shipment, please refer to our Order Number 90504

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 23-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **16-Sep-98**
in **BNSF 422316**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **D.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91925**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 29-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **23-Sep-98**
in **BNSF 425221**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91935**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 23-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **17-Sep-98**
in **BN 455861**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	25
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **91927**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 23-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50** -
left our Lovell, WY plant on **21-Sep-98**
in **BN 446193**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	10
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	13

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **91939**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 10-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **08-Sep-98**
in **BN 458541**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	15

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **D.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91910**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 23-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **21-Sep-98**
in **BN 453706**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	8.8
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91940**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 09-Sep-98

TO: CETCO - CLAYMAX CORP.
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: CYNTHIA WILLIX

Dear Sirs:

A shipment of CG 50
left our Lovell, WY plant on 08-Sep-98
in BN 455188
as requested on your order no. VERBAL

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	8.8
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: D.M.

Approved By: MOSES BRISENO

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number 91908

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

Printed on recycled paper

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067544

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199843030									
00016051	030-BENTOMAT ST	150	2250	3249	7505838		199842010	00002403	446193
00016087	030-BENTOMAT ST	150	2250	3292	7506229		199842010	00002402	455861
00016095	030-BENTOMAT ST	150	2250	3187	7506229		199842010	00002391	455861
00016128	030-BENTOMAT ST	150	2250	3145	7495457		199842010	00002390	455861
00016133	030-BENTOMAT ST	150	2250	3169	7495457		199842010	00002415	455861
00016139	030-BENTOMAT ST	150	2250	2848	7495457		199842010	00002415	455861
00016150	030-BENTOMAT ST	150	2250	3205	7488232		199842010	00002415	455861
00016151	030-BENTOMAT ST	150	2250	3206	7488232		199842010	00002415	455861
00016152	030-BENTOMAT ST	150	2250	3218	7488232		199842010	00002415	455861
00016153	030-BENTOMAT ST	150	2250	3268	7488232		B801479A		455861
00016154	030-BENTOMAT ST	150	2250	3229	7488232		B801479A		455861
00016155	030-BENTOMAT ST	150	2250	3225	7488232		B801479A		455861
00016157	030-BENTOMAT ST	150	2250	3247	7488232		B801479A		455861

TOTAL SQUARE FEET..... 29.250

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067547

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199843030									
00016062	030-BENTOMAT ST	150	2250	3225	7505838		199842010	00002423	446193
00016065	030-BENTOMAT ST	150	2250	3137	7505838		199842010	00002423	446193
00016066	030-BENTOMAT ST	150	2250	3174	7505838		199842010	00002423	446193
00016079	030-BENTOMAT ST	150	2250	3273	7505598		B801659A		446193
00016086	030-BENTOMAT ST	150	2250	3216	7505598		199842010	00002402	455861
00016088	030-BENTOMAT ST	150	2250	3257	7506229		199842010	00002402	455861
00016089	030-BENTOMAT ST	150	2250	3241	7506229		199842010	00002402	455861
00016096	030-BENTOMAT ST	150	2250	3189	7506229		199842010	00002391	455861
00016097	030-BENTOMAT ST	150	2250	3204	7506229		199842010	00002391	455861
00016098	030-BENTOMAT ST	150	2250	3138	7506229		199842010	00002391	455861
00016099	030-BENTOMAT ST	150	2250	3143	7506229		199842010	00002391	455861
00016118	030-BENTOMAT ST	150	2250	3183	7481321		199840010	00002311	455861
00016123	030-BENTOMAT ST	150	2250	3173	7481321		199842010	00002390	455861
00016127	030-BENTOMAT ST	150	2250	3188	7495457		199842010	00002390	455861

TOTAL SQUARE FEET..... 31.500

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067548

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199843030									
00016104	030-BENTOMAT ST	150	2250	3205	7506229		199840010	00002263	455861
00016106	030-BENTOMAT ST	150	2250	3260	7481321		199840010	00002263	455861
00016107	030-BENTOMAT ST	150	2250	3152	7481321		199840010	00002263	455861
00016108	030-BENTOMAT ST	150	2250	3149	7481321		199840010	00002263	455861
00016110	030-BENTOMAT ST	150	2250	3160	7481321		199840010	00002263	455861
00016111	030-BENTOMAT ST	150	2250	3156	7481321		199839010	00002234	455861
00016112	030-BENTOMAT ST	150	2250	3169	7481321		199839010	00002234	455861
00016113	030-BENTOMAT ST	150	2250	3156	7481321		199839010	00002234	455861
00016115	030-BENTOMAT ST	150	2250	3154	7481321		199840010	00002311	455861
00016119	030-BENTOMAT ST	150	2250	3179	7481321		199842010	00002390	455861
00016124	030-BENTOMAT ST	150	2250	3156	7481321		199842010	00002390	455861
00016125	030-BENTOMAT ST	150	2250	3152	7481321		199842010	00002390	455861
00016129	030-BENTOMAT ST	150	2250	3154	7495457		199842010	00002390	455861
00016130	030-BENTOMAT ST	150	2250	3156	7495457		199842010	00002390	455861

TOTAL SQUARE FEET..... 31.500

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067549

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199843030									
00016045	030-BENTOMAT ST	150	2250	3294	7505838		199843010	00002422	446193
00016057	030-BENTOMAT ST	150	2250	3248	7505838		199842010	00002403	446193
00016058	030-BENTOMAT ST	150	2250	3257	7505838		199842010	00002403	446193
00016059	030-BENTOMAT ST	150	2250	3279	7505838		199842010	00002403	446193
00016060	030-BENTOMAT ST	150	2250	3273	7505838		199842010	00002403	446193
00016194	030-BENTOMAT ST	150	2250	3343	7496267		199843010	00002436	453706
00016201	030-BENTOMAT ST	150	2250	3298	7499071		199843010	00002453	453706
00016202	030-BENTOMAT ST	150	2250	3304	7499071		199843010	00002453	453706
00016203	030-BENTOMAT ST	150	2250	3280	7499071		199843010	00002453	453706
00016204	030-BENTOMAT ST	150	2250	3279	7499071		199843010	00002453	453706
00016207	030-BENTOMAT ST	150	2250	3208	7499071		199843010	00002453	453706
00016212	030-BENTOMAT ST	150	2250	3250	7499071		199842010	00002412	453706
00016213	030-BENTOMAT ST	150	2250	3246	7499071		199842010	00002412	453706
00016214	030-BENTOMAT ST	150	2250	3249	7499071		199842010	00002412	453706

TOTAL SQUARE FEET..... 31.500

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067550

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199843030									
00016191	030-BENTOMAT ST	150	2250	3372	7496267		199842010	00002420	453706
00016192	030-BENTOMAT ST	150	2250	3196	7496267		199843010	00002436	453706
00016198	030-BENTOMAT ST	150	2250	3228	7499071		199843010	00002436	453706
00016199	030-BENTOMAT ST	150	2250	3322	7499071		199843010	00002436	453706
00016200	030-BENTOMAT ST	150	2250	3231	7499071		199843010	00002436	453706
00016215	030-BENTOMAT ST	150	2250	3243	7488653		199842010	00002412	453706
00016216	030-BENTOMAT ST	150	2250	3303	7488653		199842010	00002412	453706
00016217	030-BENTOMAT ST	150	2250	3266	7488653		199842010	00002412	453706
00016218	030-BENTOMAT ST	150	2250	3326	7488653		199842010	00002412	453706
00016223	030-BENTOMAT ST	150	2250	3342	7488653		199842010	00002413	453706
00016226	030-BENTOMAT ST	150	2250	3235	7488653		199842010	00002413	453706
00016227	030-BENTOMAT ST	150	2250	3221	7488653		199842010	00002413	453706
00016231	030-BENTOMAT ST	150	2250	3221	7488653		199842010	00002413	453706
00016232	030-BENTOMAT ST	150	2250	3260	7488653		199842010	00002414	453706

TOTAL SQUARE FEET..... 31.500

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067551

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199843030									
00016238	030-BENTOMAT ST	150	2250	3226	7496272		199842010	00002414	453706
00016239	030-BENTOMAT ST	150	2250	3231	7496272		199842010	00002414	453706
00016240	030-BENTOMAT ST	150	2250	3225	7496272		199842010	00002414	453706
00016241	030-BENTOMAT ST	150	2250	3216	7496272		199843010	00002452	453706
00016242	030-BENTOMAT ST	150	2250	3236	7496272		199843010	00002452	453706
00016243	030-BENTOMAT ST	150	2250	3174	7496272		199843010	00002452	453706
00016244	030-BENTOMAT ST	150	2250	3240	7496272		199843010	00002452	453706
00016246	030-BENTOMAT ST	150	2250	2998	7496272		199843010	00002452	453706
00016247	030-BENTOMAT ST	150	2250	3243	7496272		199843010	00002452	453706
00016248	030-BENTOMAT ST	150	2250	3217	7496272		199843010	00002452	453706
00016250	030-BENTOMAT ST	150	2250	3208	7496272		199843010	00002454	453706
00016251	030-BENTOMAT ST	150	2250	3230	7496272		199843010	00002454	453706
LOT# 199844030									
00016278	030-BENTOMAT ST	150	2250	3257	7502452		199843010	00002456	422316
00016279	030-BENTOMAT ST	150	2250	3260	7502452		199843010	00002456	422316

TOTAL SQUARE FEET..... 31.500

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067552

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199833030									
00009703	030-BENTOMAT ST	150	2250	3049	7302791		199831010	00001721	453242
00009706	030-BENTOMAT ST	150	2250	3120	7302791		199831010	00001765	453242
00009715	030-BENTOMAT ST	150	2250	3039	7301110		199831010	00001775	453242
LOT# 199836030									
00011919	030-BENTOMAT ST	150	2250	3293	7190975		B801078A		453209
LOT# 199839030									
00013561	030-BENTOMAT ST	150	2250	3287	7471531		B801361A		450233
00013615	030-BENTOMAT ST	150	2250	3297	7462767		B801596A		314014
LOT# 199840030									
00014531	030-BENTOMAT ST	150	2250	3455	7469591		199840010	00002275	455188
LOT# 199841030									
00014866	030-BENTOMAT ST	150	2250	3448	7470172		199840010	00002268	458541
LOT# 199843030									
00016229	030-BENTOMAT ST	150	2250	3289	7488653		199842010	00002413	453706
00016234	030-BENTOMAT ST	150	2250	3285	7488653		199842010	00002414	453706
00016235	030-BENTOMAT ST	150	2250	3231	7488653		199842010	00002414	453706
00016236	030-BENTOMAT ST	150	2250	3231	7488653		199842010	00002414	453706
LOT# 199844030									
00016332	030-BENTOMAT ST	150	2250	3514	7495455		B801222A		425221
00016333	030-BENTOMAT ST	150	2250	3375	7495455		B801222A		425221

TOTAL SQUARE FEET..... 31.500

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067553

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199843030									
00016245	030-BENTOMAT ST	150	2250	3254	7496272		199843010	00002452	453706
00016249	030-BENTOMAT ST	150	2250	3177	7496272		199843010	00002452	453706
00016252	030-BENTOMAT ST	150	2250	3231	7502450		199843010	00002454	422316
00016253	030-BENTOMAT ST	150	2250	3226	7502450		199843010	00002454	422316
00016254	030-BENTOMAT ST	150	2250	3245	7502450		199843010	00002454	422316
00016255	030-BENTOMAT ST	150	2250	3251	7502450		199843010	00002454	422316
00016256	030-BENTOMAT ST	150	2250	3221	7502450		199843010	00002454	422316
00016257	030-BENTOMAT ST	150	2250	3185	7502450		199843010	00002454	422316
00016258	030-BENTOMAT ST	150	2250	3219	7502450		199843010	00002454	422316
00016259	030-BENTOMAT ST	150	2250	3219	7502450		199843010	00002454	422316
00016260	030-BENTOMAT ST	150	2250	3220	7502450		199843010	00002455	422316
00016268	030-BENTOMAT ST	150	2250	3206	7502450		199843010	00002455	422316
00016270	030-BENTOMAT ST	150	2250	3238	7502450		199843010	00002455	422316

TOTAL SQUARE FEET..... 29.250

CERTIFICATION PACKAGE 6

10/30/98

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY
234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

30-Oct-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipments to Tomoka Farms LF, Daytona Beach, FL. These shipments left our CETCO - Fairmount, GA, plant on 10/28/98 .

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 67554-67556

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**OCTOBER 28, 1998**
	67554-67556
PRODUCT:	**BENTOMAT ST**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 30 **day of** Oct. ,19 98 .

Judy Hall

Notary Public

OFFICIAL SEAL
JUDY HALL
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002

Printed on recycled paper

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT Tomoka Farms LF

ORDER #: 67554-67556

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

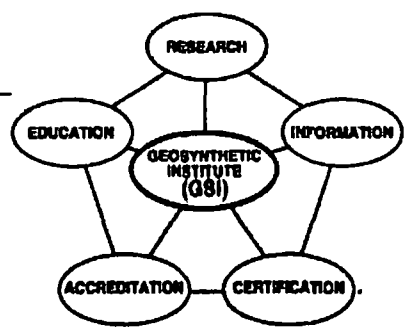
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willis
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 30 day of Oct. 1998.

Judy Hall
Notary Public

OFFICIAL SEAL
JUDY HALL
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002



STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1

CARRIER NAME: NATIONWIDE / TET

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 10/29/98 SHIPPER'S NO: 000067554

SHIP DATE: 10/28/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site #904-947-2952 Deliver by 3:30pm

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED. SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
3/500		BENTOMAT ST	
14 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	

45511

GROSS: .00 TARE: .00 NET:

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Wallace Bell Jr.

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
Per _____

PLACARDS REQUIRED ☐ YES ☐ NO—FURNISHED BY CARRIER

PLACARDS SUPPLIED

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067554
ORDER DATE: 9/22/97
SHIP DATE:. 10/28/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199844030	00016334	150.0	15.0	2250.0	3370
030-BENTOMAT ST		SFT	SF 199844030	00016335	150.0	15.0	2250.0	3163
030-BENTOMAT ST		SFT	SF 199844030	00016336	150.0	15.0	2250.0	3197
030-BENTOMAT ST		SFT	SF 199844030	00016337	150.0	15.0	2250.0	3204
030-BENTOMAT ST		SFT	SF 199844030	00016338	150.0	15.0	2250.0	3285
030-BENTOMAT ST		SFT	SF 199844030	00016339	150.0	15.0	2250.0	3276
030-BENTOMAT ST		SFT	SF 199844030	00016340	150.0	15.0	2250.0	3254
030-BENTOMAT ST		SFT	SF 199844030	00016341	150.0	15.0	2250.0	3277
030-BENTOMAT ST		SFT	SF 199844030	00016342	150.0	15.0	2250.0	3250
030-BENTOMAT ST		SFT	SF 199844030	00016343	150.0	15.0	2250.0	3305
030-BENTOMAT ST		SFT	SF 199844030	00016346	150.0	15.0	2250.0	3297
030-BENTOMAT ST		SFT	SF 199844030	00016348	150.0	15.0	2250.0	3242
030-BENTOMAT ST		SFT	SF 199844030	00016363	150.0	15.0	2250.0	3200
030-BENTOMAT ST		SFT	SF 199844030	00016370	150.0	15.0	2250.0	3191
ORDER TOTALS.....							31500.0	45511.

TOTAL ITEMS..... 14

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE[1] O

CARRIER NAME: NATIONWIDE ~~ISE~~

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051
CAR/VEHICLE#:

DELIVERING CARRIER:

DEL DATE: ~~10/29/98~~ 10/29/98

SHIPPER'S NO: 000067555
SHIP DATE: ~~10/28/98~~ 10/28/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SHIPPING PLANT: FAIRMOUNT,GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site #904-947-2952 Deliver By 3:30 pm

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
~~31500~~		BENTOMAT ST	
14 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	

GROSS: .00 TARE: .00 NET: ~~44823~~

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

4:25

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED

☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067555
ORDER DATE: 9/22/97
SHIP DATE:. 10/28/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199844030	00016366	150.0	15.0	2250.0	3197
030-BENTOMAT ST		SFT	SF 199844030	00016367	150.0	15.0	2250.0	3202
030-BENTOMAT ST		SFT	SF 199844030	00016368	150.0	15.0	2250.0	3200
030-BENTOMAT ST		SFT	SF 199844030	00016369	150.0	15.0	2250.0	3174
030-BENTOMAT ST		SFT	SF 199844030	00016389	150.0	15.0	2250.0	3196
030-BENTOMAT ST		SFT	SF 199844030	00016392	150.0	15.0	2250.0	3224
030-BENTOMAT ST		SFT	SF 199844030	00016393	150.0	15.0	2250.0	3215
030-BENTOMAT ST		SFT	SF 199844030	00016396	150.0	15.0	2250.0	3195
030-BENTOMAT ST		SFT	SF 199844030	00016400	150.0	15.0	2250.0	3181
030-BENTOMAT ST		SFT	SF 199844030	00016402	150.0	15.0	2250.0	3215
030-BENTOMAT ST		SFT	SF 199844030	00016403	150.0	15.0	2250.0	3220
030-BENTOMAT ST		SFT	SF 199844030	00016409	150.0	15.0	2250.0	3206
030-BENTOMAT ST		SFT	SF 199844030	00016410	150.0	15.0	2250.0	3185
030-BENTOMAT ST		SFT	SF 199844030	00016411	150.0	15.0	2250.0	3213
ORDER TOTALS.....							31500.0	44823.

TOTAL ITEMS..... 14

STRAIGHT BILL OF LADING—ORIGINAL—~~NOT~~ NEGOTIABLE PAGE 1 C

CARRIER NAME: NATIONWIDE / SE

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

DELIVERING CARRIER:

10/29/98 SHIPPER'S NO: 000067556

DEL DATE: ~~10/29/98~~ SHIP DATE: ~~10/28/98~~ 10/28/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site # 904-947-2952 Deliver By 330pm

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED. SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
~~29250~~		BENTOMAT ST	41910
13 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	3000
		CG-50 SEAMING CLAY	
1020 Bags		(10902/024)	
		CLAY-BENTONITE-GROUND (CLASS 50)	
		3295232	
(one pallet, load from side)			

GROSS: .00 TARE: .00 NET: 44910

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

2:20

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except [illegible] (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood [illegible] this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, [illegible]te, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion [illegible]ute to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per

PLACARDS REQUIRED ☐ YES ☐ NO—FURNISHED BY CARRIER

PLACARDS SUPPLIED DRIVERS SIGNATURE:

ORIGINAL

PACKING LIST

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067556
ORDER DATE: 9/22/97
SHIP DATE:. 10/28/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199844030	00016361	150.0	15.0	2250.0	3224
030-BENTOMAT ST		SFT	SF 199844030	00016362	150.0	15.0	2250.0	3239
030-BENTOMAT ST		SFT	SF 199844030	00016364	150.0	15.0	2250.0	3177
030-BENTOMAT ST		SFT	SF 199844030	00016365	150.0	15.0	2250.0	3159
030-BENTOMAT ST		SFT	SF 199844030	00016387	150.0	15.0	2250.0	3262
030-BENTOMAT ST		SFT	SF 199844030	00016390	150.0	15.0	2250.0	3237
030-BENTOMAT ST		SFT	SF 199844030	00016391	150.0	15.0	2250.0	3204
030-BENTOMAT ST		SFT	SF 199844030	00016394	150.0	15.0	2250.0	3216
030-BENTOMAT ST		SFT	SF 199844030	00016395	150.0	15.0	2250.0	3290
030-BENTOMAT ST		SFT	SF 199844030	00016401	150.0	15.0	2250.0	3236
030-BENTOMAT ST		SFT	SF 199844030	00016405	150.0	15.0	2250.0	3208
030-BENTOMAT ST		SFT	SF 199844030	00016406	150.0	15.0	2250.0	3223
030-BENTOMAT ST		SFT	SF 199844030	00016408	150.0	15.0	2250.0	3235
ORDER TOTALS.....							29250.0	41910.

TOTAL ITEMS..... 13

60/Bag0

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

Printed on recycled paper

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067554

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199844030	00016370	1.02	15.20	127.20	26.30
030-BENTOMAT ST	199844030	00016363	1.02*	15.20	127.20	26.30*
030-BENTOMAT ST	199844030	00016348	1.01	15.20	127.20	38.00
030-BENTOMAT ST	199844030	00016346	1.00	15.20	127.20	24.60
030-BENTOMAT ST	199844030	00016343	1.00	15.20	127.20	24.60
030-BENTOMAT ST	199844030	00016342	1.00	15.20	127.20	24.60*
030-BENTOMAT ST	199844030	00016341	1.00	15.20	127.20	17.80
030-BENTOMAT ST	199844030	00016340	1.00	15.20	127.20	17.80
030-BENTOMAT ST	199844030	00016339	1.00	15.20	127.20	17.80
030-BENTOMAT ST	199844030	00016338	1.00	15.20	127.20	17.80
030-BENTOMAT ST	199844030	00016337	1.00	15.20	127.20	17.80
030-BENTOMAT ST	199844030	00016336	1.00	15.20	127.20	17.80
030-BENTOMAT ST	199844030	00016335	1.00	15.20	127.20	17.80
030-BENTOMAT ST	199844030	00016334	1.00*	15.20*	127.20*	17.80*

NOTE:
An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067555

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199844030	00016411	1.01*	15.20	127.20	28.40*
030-BENTOMAT ST	199844030	00016410	1.04	15.20	127.20	22.80
030-BENTOMAT ST	199844030	00016409	1.04	15.20	127.20	22.80
030-BENTOMAT ST	199844030	00016403	1.04	15.20	127.20	22.80*
030-BENTOMAT ST	199844030	00016402	1.04	15.20	127.20	24.10
030-BENTOMAT ST	199844030	00016400	1.04	15.20	127.20	24.10
030-BENTOMAT ST	199844030	00016396	1.04	15.20	127.20	24.10
030-BENTOMAT ST	199844030	00016393	.97	15.20	127.20	25.20
030-BENTOMAT ST	199844030	00016392	.97	15.20	127.20	25.20
030-BENTOMAT ST	199844030	00016389	.97	15.20	127.20	25.20
030-BENTOMAT ST	199844030	00016369	1.02	15.20	127.20	26.30
030-BENTOMAT ST	199844030	00016368	1.02	15.20	127.20	26.30
030-BENTOMAT ST	199844030	00016367	1.02	15.20	127.20	26.30
030-BENTOMAT ST	199844030	00016366	1.02	15.20	127.20	26.30

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067556

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199844030	00016408	1.04	15.20	127.20	22.80
030-BENTOMAT ST	199844030	00016406	1.04	15.20	127.20	22.80
030-BENTOMAT ST	199844030	00016405	1.04	15.20	127.20	22.80
030-BENTOMAT ST	199844030	00016401	1.04	15.20	127.20	24.10
030-BENTOMAT ST	199844030	00016395	1.04*	15.20	127.20	24.10*
030-BENTOMAT ST	199844030	00016394	.97	15.20	127.20	25.20
030-BENTOMAT ST	199844030	00016391	.97	15.20	127.20	25.20
030-BENTOMAT ST	199844030	00016390	.97	15.20	127.20	25.20
030-BENTOMAT ST	199844030	00016387	.97	15.20	127.20	25.20*
030-BENTOMAT ST	199844030	00016365	1.02	15.20	127.20	26.30
030-BENTOMAT ST	199844030	00016364	1.02	15.20	127.20	26.30
030-BENTOMAT ST	199844030	00016362	1.01	15.20	127.20	29.40
030-BENTOMAT ST	199844030	00016361	1.01	15.20	127.20	29.40

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT.GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067554

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199843010	00002439	6.9	16.4	141.9
030-NON-WOVEN	199843010	00002469	6.6	18.1	155.5
030-NON-WOVEN	199843010	00002471	6.6	18.1	155.5
030-NON-WOVEN	199843010	00002473	6.6	18.1	155.5

TOTAL PAGES 1

QCG#TF3 QCT#TF3
10/29/98 14:32:05

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067555

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199843010	00002439	6.9	16.4	141.9
030-NON-WOVEN	199843010	00002458	6.6	18.1	155.5
030-NON-WOVEN	199843010	00002459	6.6	18.1	155.5
030-NON-WOVEN	199843010	00002473	6.6	18.1	155.5
030-NON-WOVEN	199843010	00002475	6.6	18.1	155.5

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067556

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199843010	00002440	6.9	16.4	141.9
030-NON-WOVEN	199843010	00002459	6.6	18.1	155.5
030-NON-WOVEN	199843010	00002473	6.6	18.1	155.5
030-NON-WOVEN	199843010	00002475	6.6	18.1	155.5

TOTAL PAGES 1

SYNTHETIC INDUSTRIES
Geosynthetic Products Division

ISO 9002 CERTIFIED
World Class Quality

October 9, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #178964
PO# O-DH1-22584

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:178964

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
278654	170 x 162	23 x 22	350	3.5
334175	162 x 164	22 x 23	346	3.6
7469895	146 x 165	19 x 23	363	3.7
7480049	183 x 155	25 x 27	333	3.4
7480051	167 x 161	27 x 29	300	3.5
7481314	158 x 143	23 x 23	311	3.4
7481319	153 x 147	21 x 25	331	3.4
7484557	151 x 137	25 x 25	310	3.5
7484558	154 x 138	25 x 21	310	3.4
7484560	152 x 138	21 x 24	334	3.4
7487153	174 x 157	24 x 24	320	3.5
7487154	150 x 150	26 x 27	337	3.6
7488652	158 x 169	23 x 22	325	3.8
7489089	158 x 147	24 x 24	366	3.7
7489090	160 x 152	27 x 27	326	3.6
7301118	170 x 162	23 x 22	350	3.5
7358655	162 x 155	22 x 24	346	3.6
7447984	146 x 138	25 x 23	333	3.4
7481318	167 x 137	27 x 22	331	3.4
7484559	154 x 137	25 x 25	310	3.5

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 20, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #179306
PO# O-DH1-22705

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D 4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

Job:179306

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7487158	155 x 149	23 x 24	314	3.5
7487954	153 x 149	22 x 23	309	3.4
7489094	169 x 171	24 x 24	364	3.6
7489147	158 x 150	23 x 24	309	3.4
7489151	163 x 150	25 x 24	310	3.4
7489214	155 x 138	22 x 24	296	3.3
7490580	137 x 153	24 x 26	324	3.5
7495455	143 x 155	25 x 29	331	3.5
7495457	142 x 157	23 x 28	317	3.4
7496267	180 x 159	25 x 26	348	3.5
7496270	154 x 161	27 x 32	356	3.6
7497837	152 x 130	22 x 21	329	3.4
7497838	151 x 154	23 x 21	329	3.4
7499071	154 x 147	23 x 23	310	3.4
7502450	147 x 157	23 x 23	324	3.5
7502451	143 x 152	26 x 27	329	3.4
7503079	151 x 143	21 x 23	337	3.4
7503454	158 x 153	23 x 25	321	3.5
7504203	137 x 139	21 x 27	326	3.4
7504204	137 x 151	21 x 25	326	3.4
7504640	156 x 145	22 x 24	346	3.4
7504919	156 x 138	22 x 24	321	3.4
7504974	166 x 160	26 x 28	344	3.5

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22766 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 29, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
BoL; 625615 PO 0-0CW-22844

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1997

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7819 • 1-800-621-0444

10/27/98 15:00 Page 1

Synthetic Industries
Individual Roll Data
Bill of Lading:625615

Roll Number	Style	Mass/ Unit Oby D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D1533	Trap Tear (XMD) lbs D1533	Mullen Burst psi D3786	Punct Resist lbs D4833
B801206A	650	7.1	143	100	130	98	118	49	45	211	76
B801313A	650	6.9	140	92	112	99	136	43	42	219	66
B801327A	650	6.7	138	114	139	111	112	50	56	211	71

Sid Wann

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 29-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **22-Sep-98**
in **BN 455941**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	7.2
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91933**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 01-Oct-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **28-Sep-98**
in **BN 446204**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	6.4
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91942**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 29-Sep-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **23-Sep-98**
in **BNSF 425221**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91935**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

Printed on recycled paper

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067554

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199844030									
00016334	030-BENTOMAT ST	150	2250	3370	7495455		B801222A		425221
00016335	030-BENTOMAT ST	150	2250	3163	7495455		B801222A		425221
00016336	030-BENTOMAT ST	150	2250	3197	7495455		199843010	00002469	455941
00016337	030-BENTOMAT ST	150	2250	3204	7490580		199843010	00002469	455941
00016338	030-BENTOMAT ST	150	2250	3285	7490580		199843010	00002469	455941
00016339	030-BENTOMAT ST	150	2250	3276	7490580		199843010	00002469	455941
00016340	030-BENTOMAT ST	150	2250	3254	7490580		199843010	00002469	455941
00016341	030-BENTOMAT ST	150	2250	3277	7490580		199843010	00002469	455941
00016342	030-BENTOMAT ST	150	2250	3250	7490580		199843010	00002469	455941
00016343	030-BENTOMAT ST	150	2250	3305	7490580		199843010	00002469	455941
00016346	030-BENTOMAT ST	150	2250	3297	7490580		199843010	00002469	455941
00016348	030-BENTOMAT ST	150	2250	3242	7502451		199843010	00002471	455941
00016363	030-BENTOMAT ST	150	2250	3200	7502451		199843010	00002473	455941
00016370	030-BENTOMAT ST	150	2250	3191	7502451		199843010	00002439	455941

TOTAL SQUARE FEET..... 31.500

TOTAL PAGES 1

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067555

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199844030									
00016366	030-BENTOMAT ST	150	2250	3197	7502451		199843010	00002473	455941
00016367	030-BENTOMAT ST	150	2250	3202	7502451		199843010	00002439	455941
00016368	030-BENTOMAT ST	150	2250	3200	7502451		199843010	00002439	455941
00016369	030-BENTOMAT ST	150	2250	3174	7502451		199843010	00002439	455941
00016389	030-BENTOMAT ST	150	2250	3196	7503454		199843010	00002459	455941
00016392	030-BENTOMAT ST	150	2250	3224	7503454		199843010	00002459	455941
00016393	030-BENTOMAT ST	150	2250	3215	7503454		199843010	00002459	455941
00016396	030-BENTOMAT ST	150	2250	3195	7503454		199843010	00002459	455941
00016400	030-BENTOMAT ST	150	2250	3181	7503454		199843010	00002475	455941
00016402	030-BENTOMAT ST	150	2250	3215	7480051		199843010	00002475	455941
00016403	030-BENTOMAT ST	150	2250	3220	7480051		199843010	00002475	455941
00016409	030-BENTOMAT ST	150	2250	3206	7480051		199843010	00002458	446204
00016410	030-BENTOMAT ST	150	2250	3185	7480051		199843010	00002458	446204
00016411	030-BENTOMAT ST	150	2250	3213	7480051		199843010	00002458	446204

TOTAL SQUARE FEET..... 31,500

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067556

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199844030									
00016361	030-BENTOMAT ST	150	2250	3224	7502451		199843010	00002473	455941
00016362	030-BENTOMAT ST	150	2250	3239	7502451		199843010	00002473	455941
00016364	030-BENTOMAT ST	150	2250	3177	7502451		199843010	00002473	455941
00016365	030-BENTOMAT ST	150	2250	3159	7502451		199843010	00002473	455941
00016387	030-BENTOMAT ST	150	2250	3262	7503454		199843010	00002440	455941
00016390	030-BENTOMAT ST	150	2250	3237	7503454		199843010	00002459	455941
00016391	030-BENTOMAT ST	150	2250	3204	7503454		199843010	00002459	455941
00016394	030-BENTOMAT ST	150	2250	3216	7503454		199843010	00002459	455941
00016395	030-BENTOMAT ST	150	2250	3290	7503454		199843010	00002459	455941
00016401	030-BENTOMAT ST	150	2250	3236	7480051		199843010	00002475	455941
00016405	030-BENTOMAT ST	150	2250	3208	7480051		199843010	00002475	455941
00016406	030-BENTOMAT ST	150	2250	3223	7480051		199843010	00002475	446204
00016408	030-BENTOMAT ST	150	2250	3235	7480051		199843010	00002475	446204

TOTAL SQUARE FEET..... 29.250

TOTAL PAGES 1

CERTIFICATION PACKAGE 7

11/04/98

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY
234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

4-Nov-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipment to Tomoka Farms LF, Daytona Beach, FL. This shipment left our CETCO - Fairmount, GA, plant on 11/2/98 .

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix
Quality Assurance Coordinator

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 67557

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**NOVEMBER 2, 1998**
	67557
PRODUCT:	**BENTOMAT ST**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 4 **day of** Nov. **,19** 98 **.**

Diane Hunsucker

Notary Public

OFFICIAL SEAL
DIANE B. HUNSUCKER
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 2, 2002

Printed on recycled paper

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT Tomoka Farms LF

ORDER #: 67557

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

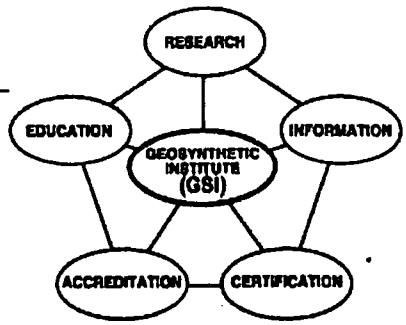
* Reported at 0% moisture content.

GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willey
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 4 day of Nov. 19 98.

Diane M Wasserbauer
Notary Public



STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1 OF 1

CARRIER NAME: NATIONWIDE Standard DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA SHIPPER'S NO: 000067557
1990 TOMOKA FARMS RD. DEL DATE: 11/3/98 SHIP DATE: 11/2/98
TOMOKA FARMS LF SHIPPER: CETCO
1350 W SHURE DR.
DAYTONA BEACH FL 32114 ARLINGTON HGTS IL 60004
PHONE: (904) 947 2952

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051 SHIPPING PLANT: FAIRMOUNT,GA
CAR/VEHICLE#: 234 GORDON ST
ROUTING/CONTRACT: Site 904 947 2952 FAIRMOUNT GA .

Please deliver by 3:30pm

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500		BENTOMAT ST	
14 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	

GROSS: .00 TARE: .00 NET: 46336

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: W Brown

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER
DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067557
ORDER DATE:. 11/02/98
SHIP DATE:. 11/02/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199844030	00016576	150.0	15.0	2250.0	3403
030-BENTOMAT ST		SFT	SF 199844030	00016631	150.0	15.0	2250.0	3430
030-BENTOMAT ST		SFT	SF 199844030	00016632	150.0	15.0	2250.0	3432
030-BENTOMAT ST		SFT	SF 199845030	00016634	150.0	15.0	2250.0	3381
0-BENTOMAT ST		SFT	SF 199845030	00016635	150.0	15.0	2250.0	3342
030-BENTOMAT ST		SFT	SF 199845030	00016646	150.0	15.0	2250.0	3230
030-BENTOMAT ST		SFT	SF 199845030	00016647	150.0	15.0	2250.0	3218
030-BENTOMAT ST		SFT	SF 199845030	00016648	150.0	15.0	2250.0	3228
030-BENTOMAT ST		SFT	SF 199845030	00016652	150.0	15.0	2250.0	3246
030-BENTOMAT ST		SFT	SF 199845030	00016653	150.0	15.0	2250.0	3259
030-BENTOMAT ST		SFT	SF 199845030	00016658	150.0	15.0	2250.0	3355
030-BENTOMAT ST		SFT	SF 199845030	00016660	150.0	15.0	2250.0	3278
030-BENTOMAT ST		SFT	SF 199845030	00016663	150.0	15.0	2250.0	3265
030-BENTOMAT ST		SFT	SF 199845030	00016664	150.0	15.0	2250.0	3269
ORDER TOTALS.....							31500.0	46336.

TOTAL ITEMS..... 14

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

A Wholly Owned Subsidiary of AMCOL International

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067557

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199845030	00016664	1.07	11.20	93.00	28.00
030-BENTOMAT ST	199845030	00016663	1.07	11.20	93.00	28.00
030-BENTOMAT ST	199845030	00016660	1.07	11.20	93.00	28.00
030-BENTOMAT ST	199845030	00016658	1.07	11.20	93.00	46.20
030-BENTOMAT ST	199845030	00016653	1.07	11.20	93.00	46.20
030-BENTOMAT ST	199845030	00016652	1.07	11.20	93.00	46.20
030-BENTOMAT ST	199845030	00016648	1.01	11.20	93.00	35.30
030-BENTOMAT ST	199845030	00016647	1.01	11.20	93.00	35.30
030-BENTOMAT ST	199845030	00016646	1.01	11.20	93.00	35.30
030-BENTOMAT ST	199845030	00016635	1.09	15.60	127.80	20.80
030-BENTOMAT ST	199845030	00016634	1.09	15.60	127.80	20.80
030-BENTOMAT ST	199844030	00016632	1.09	15.60	127.80	20.80
030-BENTOMAT ST	199844030	00016631	1.09	15.60	127.80	20.80
030-BENTOMAT ST	199844030	00016576	1.07	12.00	116.00	24.20*

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067557

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199843030	00002445	6.6	18.1	155.5
030-NON-WOVEN	199843030	00002446	6.6	18.1	155.5
030-NON-WOVEN	199843030	00002460	6.6	18.1	155.5
030-NON-WOVEN	199843030	00002467	6.6	18.1	155.5

TOTAL PAGES 1

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 29, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #625646

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

L:625646

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7496273	165 x 143	23 x 26	316	3.2
7501460	168 x 165	29 x 34	316	3.5
7504922	161 x 147	23 x 23	309	3.4
7504924	150 x 155	26 x 27	322	3.6
7505604	151 x 151	22 x 25	326	3.4
7505844	150 x 145	25 x 25	311	3.4
7505846	151 x 135	34 x 36	310	3.4
7505847	152 x 144	20 x 24	353	3.5
7506184	146 x 141	21 x 23	352	3.5
7506221	144 x 135	21 x 20	303	3.2
7506224	142 x 152	27 x 30	299	3.5
7506230	171 x 150	25 x 28	322	3.4
7506232	160 x 151	26 x 29	295	3.4
7506234	156 x 157	24 x 26	340	3.4
7507398	163 x 178	31 x 35	319	3.5
7511317	161 x 138	23 x 26	315	3.3
7512250	158 x 156	22 x 28	314	3.5
7512254	172 x 153	26 x 28	328	3.5
7512256	154 x 141	26 x 25	320	3.5
7513321	164 x 179	26 x 30	335	3.5

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 01-Oct-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **28-Sep-98**
in **BN 453191**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **D.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **91943**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 02-Oct-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **29-Sep-98**
in **BN 454734**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.8
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **D.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91947**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

Printed on recycled paper

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067557

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199844030									
00016576	030-BENTOMAT ST	150	2250	3403	7496273		199843030	00002445	453191
00016631	030-BENTOMAT ST	150	2250	3430	7504922		199843030	00002446	453191
00016632	030-BENTOMAT ST	150	2250	3432	7504922		199843030	00002446	454734
LOT# 199845030									
00016634	030-BENTOMAT ST	150	2250	3381	7504922		199843030	00002446	454734
00016635	030-BENTOMAT ST	150	2250	3342	7504922		199843030	00002446	454734
00016646	030-BENTOMAT ST	150	2250	3230	7506232		199843030	00002460	454734
00016647	030-BENTOMAT ST	150	2250	3218	7506232		199843030	00002460	454734
00016648	030-BENTOMAT ST	150	2250	3228	7506232		199843030	00002460	454734
00016652	030-BENTOMAT ST	150	2250	3246	7506232		199843030	00002460	454734
00016653	030-BENTOMAT ST	150	2250	3259	7506232		199843030	00002460	454734
00016658	030-BENTOMAT ST	150	2250	3355	7513321		199843030	00002467	454734
00016660	030-BENTOMAT ST	150	2250	3278	7513321		199843030	00002467	454734
00016663	030-BENTOMAT ST	150	2250	3265	7513321		199843030	00002467	454734
00016664	030-BENTOMAT ST	150	2250	3269	7513321		199843030	00002467	454734

TOTAL SQUARE FEET..... 31,500

CERTIFICATION PACKAGE 8

11/12/98

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY
234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

12-Nov-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipments to Tomoka Farms LF, Daytona Beach, FL. These shipments left our CETCO - Fairmount, GA, plant on 11/11/98 .

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 67558-67559

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

Printed on recycled paper.

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**NOVEMBER 11, 1998**
	67558-67559
PRODUCT:	**BENTOMAT ST**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 12 **day of** Nov. **,19** 98 **.**

Diane Hunsucker

Notary Public

OFFICIAL SEAL
DIANE B. HUNSUCKER
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 2, 2002

Printed on recycled paper.

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT Tomoka Farms LF

ORDER #: 67558-67559

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

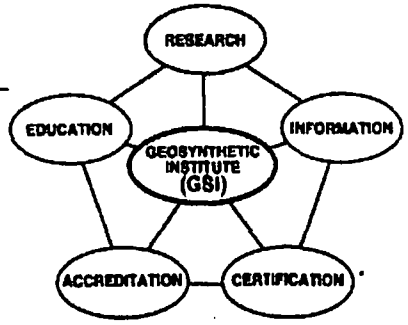
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willey
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 12 day of Nov. 1998.

Diane D. Hunsucker
Notary Public

OFFICIAL SEAL
DIANE D. HUNSUCKER
Notary Public, State of Illinois
GEORGETOWN
My Commission Expires
Jan. 2, 2002



~ 187 STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1

CARRIER NAME: NATIONWIDE Interstar DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 11/12/98 SHIPPER'S NO: 00006755
SHIP DATE: 11/11/98
SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051
CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site #904-947-2952

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500		BENTOMAT ST	[redacted]
14 Rolls - 150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	
[redacted]		[redacted]	[redacted]

GROSS: .00 TARE: .00 NET: 45668

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

3.00

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Pooge Michael Ford 11-11-98

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

PACKING LIST

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067558
ORDER DATE: 11/11/98
SHIP DATE:. 11/11/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199845030	00017133	150.0	15.0	2250.0	3310
030-BENTOMAT ST		SFT	SF 199845030	00017140	150.0	15.0	2250.0	3302
030-BENTOMAT ST		SFT	SF 199845030	00017142	150.0	15.0	2250.0	3260
030-BENTOMAT ST		SFT	SF 199845030	00017146	150.0	15.0	2250.0	3250
0-BENTOMAT ST		SFT	SF 199845030	00017152	150.0	15.0	2250.0	3181
030-BENTOMAT ST		SFT	SF 199845030	00017154	150.0	15.0	2250.0	3249
030-BENTOMAT ST		SFT	SF 199845030	00017241	150.0	15.0	2250.0	3260
030-BENTOMAT ST		SFT	SF 199846030	00017365	150.0	15.0	2250.0	3260
030-BENTOMAT ST		SFT	SF 199846030	00017367	150.0	15.0	2250.0	3200
030-BENTOMAT ST		SFT	SF 199846030	00017374	150.0	15.0	2250.0	3294
030-BENTOMAT ST		SFT	SF 199846030	00017378	150.0	15.0	2250.0	3226
030-BENTOMAT ST		SFT	SF 199846030	00017379	150.0	15.0	2250.0	3238
030-BENTOMAT ST		SFT	SF 199846030	00017401	150.0	15.0	2250.0	3313
030-BENTOMAT ST		SFT	SF 199846030	00017442	150.0	15.0	2250.0	3325
							========	=======
ORDER TOTALS.....							31500.0	45668.

TOTAL ITEMS..... 14

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1 O

CARRIER NAME: NATIONWIDE Blanchester DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 11/12/98 SHIPPER'S NO: 000067559
SHIP DATE: 11/11/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051
CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

Site# 904-947-2952

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
14 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	45502

GROSS: .00 TARE: .00 NET:

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

3:45

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
Per

PLACARDS REQUIRED ☐ YES ☐ NO—FURNISHED BY CARRIER
PLACARDS SUPPLIED DRIVERS SIGNATURE:

ORIGINAL

PACKING LIST

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067559
ORDER DATE: 11/11/98
SHIP DATE:. 11/11/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199845030	00017137	150.0	15.0	2250.0	3306
030-BENTOMAT ST		SFT	SF 199845030	00017138	150.0	15.0	2250.0	3295
030-BENTOMAT ST		SFT	SF 199845030	00017139	150.0	15.0	2250.0	3288
030-BENTOMAT ST		SFT	SF 199845030	00017143	150.0	15.0	2250.0	3243
0-BENTOMAT ST		SFT	SF 199845030	00017144	150.0	15.0	2250.0	3244
030-BENTOMAT ST		SFT	SF 199845030	00017147	150.0	15.0	2250.0	3247
030-BENTOMAT ST		SFT	SF 199845030	00017148	150.0	15.0	2250.0	3248
030-BENTOMAT ST		SFT	SF 199845030	00017149	150.0	15.0	2250.0	3248
030-BENTOMAT ST		SFT	SF 199845030	00017150	150.0	15.0	2250.0	3252
030-BENTOMAT ST		SFT	SF 199845030	00017151	150.0	15.0	2250.0	3198
030-BENTOMAT ST		SFT	SF 199845030	00017158	150.0	15.0	2250.0	3231
030-BENTOMAT ST		SFT	SF 199845030	00017159	150.0	15.0	2250.0	3239
030-BENTOMAT ST		SFT	SF 199845030	00017160	150.0	15.0	2250.0	3217
030-BENTOMAT ST		SFT	SF 199845030	00017161	150.0	15.0	2250.0	3246
							========	=======
ORDER TOTALS.....							31500.0	45502.

TOTAL ITEMS..... 14

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

A Wholly Owned Subsidiary of AMCOL International

Printed on recycled paper.

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067558

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199846030	00017442	1.06	13.60	96.00	46.10
030-BENTOMAT ST	199846030	00017401	1.01	12.80	100.40	36.80
030-BENTOMAT ST	199846030	00017379	1.03	17.60	137.60	30.90
030-BENTOMAT ST	199846030	00017378	1.03	17.60	137.60	30.90
030-BENTOMAT ST	199846030	00017374	1.01	17.60	137.60	20.20
030-BENTOMAT ST	199846030	00017367	1.03	17.60	137.60	23.50
030-BENTOMAT ST	199846030	00017365	1.03	17.60	137.60	23.50
030-BENTOMAT ST	199845030	00017241	1.04	16.00	130.40	35.80
030-BENTOMAT ST	199845030	00017154	1.04	16.00	114.10	54.20*
030-BENTOMAT ST	199845030	00017152	1.04	16.00	114.10	25.60
030-BENTOMAT ST	199845030	00017146	1.04*	16.00	114.10	25.60*
030-BENTOMAT ST	199845030	00017142	1.01	16.00	114.10	19.20
030-BENTOMAT ST	199845030	00017140	1.01	16.00	114.10	26.30
030-BENTOMAT ST	199845030	00017133	1.01*	16.00	114.10	26.30*

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067559

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199845030	00017161	1.04	16.00	114.10	54.20
030-BENTOMAT ST	199845030	00017160	1.04	16.00	114.10	54.20
030-BENTOMAT ST	199845030	00017159	1.04	16.00	114.10	54.20
030-BENTOMAT ST	199845030	00017158	1.04	16.00	114.10	54.20
030-BENTOMAT ST	199845030	00017151	1.04	16.00	114.10	25.60
030-BENTOMAT ST	199845030	00017150	1.04	16.00	114.10	25.60
030-BENTOMAT ST	199845030	00017149	1.04	16.00	114.10	25.60
030-BENTOMAT ST	199845030	00017148	1.04	16.00	114.10	25.60
030-BENTOMAT ST	199845030	00017147	1.04	16.00	114.10	25.60
030-BENTOMAT ST	199845030	00017144	1.01	16.00	114.10	19.20
030-BENTOMAT ST	199845030	00017143	1.01	16.00	114.10	19.20
030-BENTOMAT ST	199845030	00017139	1.01	16.00	114.10	26.30
030-BENTOMAT ST	199845030	00017138	1.01	16.00	114.10	26.30
030-BENTOMAT ST	199845030	00017137	1.01	16.00	114.10	26.30

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067558

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 160 lbs marv ASTM D 4632	GRAB ELONGATION 50% marv ASTM D 4632
030-NON-WOVEN	199845010	00002449	6.6	35.9	159.9
030-NON-WOVEN	199845010	00002540	6.6	35.9	159.9
030-NON-WOVEN	199845010	00002572	6.6	35.9	159.9
030-NON-WOVEN	199845010	00002573	6.6	35.9	159.9
030-NON-WOVEN	199845010	00002582	6.6	35.9	159.9
030-NON-WOVEN	199845010	00002583	6.6	35.9	159.9
030-NON-WOVEN	199845010	00002588	6.6	35.9	159.9
030-NON-WOVEN	199845010	00002590	6.6	35.9	159.9
030-NON-WOVEN	199846010	00002598	6.6	35.9	159.9

QCG#TF3 QCT#TF3
11/12/98 13:11:02

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067559

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 160 lbs marv ASTM D 4632	GRAB ELONGATION 50% marv ASTM D 4632
030-NON-WOVEN	199845010	00002540	6.6	35.9	159.9
030-NON-WOVEN	199845010	00002582	6.6	35.9	159.9
030-NON-WOVEN	199845010	00002583	6.6	35.9	159.9

TOTAL PAGES 1

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 4, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180001
PO# O-DH1-22997

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than as the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

ISO 9001 CERTIFIED World Class Quality

ROLL: 180001

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7487953	151 x 164	23 x 26	291	3.6
7495459	152 x 155	23 x 26	313	3.4
7505599	154 x 146	21 x 21	312	3.4
7505839	157 x 152	21 x 25	318	3.4
7505845	162 x 145	23 x 24	325	3.3
7506177	153 x 142	19 x 25	291	3.4
7506227	147 x 149	26 x 27	318	3.4
7506231	165 x 154	25 x 27	316	3.5
7506233	166 x 147	25 x 26	313	3.4
7507259	156 x 138	24 x 23	311	3.4
7507260	156 x 145	22 x 23	309	3.4
7507262	152 x 153	21 x 23	314	3.5
7507396	164 x 158	23 x 29	305	3.4
7507400	153 x 136	25 x 26	326	3.3
7509570	154 x 160	22 x 24	342	3.5
7511318	159 x 151	26 x 27	322	3.5
7513324	167 x 154	28 x 28	359	3.5
7513325	176 x 159	30 x 28	352	3.5
7514606	182 x 150	23 x 24	329	3.3
7518345	162 x 148	25 x 29	313	3.3
7518499	159 x 156	25 x 30	341	3.3
7519479	152 x 141	25 x 24	328	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 6, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180102
PO# O-DH1-22997

This is to certify that Style 82 Tex, a woven polypropylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1520 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

80102

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7505610	151 x 160	22 x 27	357	3.5
7513327	156 x 161	25 x 28	340	3.5
7513328	172 x 154	25 x 26	334	3.4
7514609	175 x 170	26 x 31	325	3.4
7518346	155 x 135	22 x 23	327	3.3
7519356	141 x 146	25 x 28	306	3.4
7519517	149 x 149	22 x 22	311	3.3
7523550	159 x 160	23 x 28	331	3.3
7524237	159 x 166	24 x 29	315	3.5
7524238	158 x 170	23 x 27	315	3.5
7524246	165 x 174	28 x 30	317	3.4
7524339	157 x 156	22 x 26	343	3.5
7524340	161 x 153	23 x 26	303	3.4
7524342	151 x 145	22 x 26	307	3.3
7524449	166 x 160	24 x 26	335	3.4
7524456	158 x 154	24 x 29	326	3.3
7524603	159 x 154	23 x 27	318	3.4
7525162	168 x 162	22 x 23	359	3.4
7527288	154 x 145	24 x 23	310	3.3
7528663	155 x 166	21 x 23	297	3.6

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 22-Oct-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **19-Oct-98**
in **BN 454054**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	9.6
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91960**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 21-Oct-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **18-Oct-98**
in **BNSF 409218**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: J.J.

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91956**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 19-Oct-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **15-Oct-98**
in **BN 447443**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	7.6
FREE SWELL	ASTM D 5890	24 MIN.	25
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91955**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 22-Oct-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **19-Oct-98**
in **BNSF 422500**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	29
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **91961**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

A Wholly Owned Subsidiary of AMCOL International

Printed on recycled paper.

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067558

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199845030									
00017133	030-BENTOMAT ST	150	2250	3310	7513327		199845010	00002583	447443
00017140	030-BENTOMAT ST	150	2250	3302	7519517		199845010	00002583	447443
00017142	030-BENTOMAT ST	150	2250	3260	7519517		199845010	00002540	447443
00017146	030-BENTOMAT ST	150	2250	3250	7519517		199845010	00002540	447443
00017152	030-BENTOMAT ST	150	2250	3181	7519517		199845010	00002582	447443
00017154	030-BENTOMAT ST	150	2250	3249	7519517		199845010	00002582	447443
00017241	030-BENTOMAT ST	150	2250	3260	7525162		199845010	00002449	409218
LOT# 199846030									
00017365	030-BENTOMAT ST	150	2250	3260	7524342		199845010	00002573	422500
00017367	030-BENTOMAT ST	150	2250	3200	7524342		199845010	00002573	422500
00017374	030-BENTOMAT ST	150	2250	3294	7524342		199845010	00002590	422500
00017378	030-BENTOMAT ST	150	2250	3226	7524342		199845010	00002590	422500
00017379	030-BENTOMAT ST	150	2250	3238	7524342		199845010	00002572	422500
00017401	030-BENTOMAT ST	150	2250	3313	7518345		199845010	00002588	453630
00017442	030-BENTOMAT ST	150	2250	3325	7487953		199846010	00002598	454054

TOTAL SQUARE FEET..... 31.500

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067559

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199845030									
00017137	030-BENTOMAT ST	150	2250	3306	7519517		199845010	00002583	447443
00017138	030-BENTOMAT ST	150	2250	3295	7519517		199845010	00002583	447443
00017139	030-BENTOMAT ST	150	2250	3288	7519517		199845010	00002583	447443
00017143	030-BENTOMAT ST	150	2250	3243	7519517		199845010	00002540	447443
00017144	030-BENTOMAT ST	150	2250	3244	7519517		199845010	00002540	447443
00017147	030-BENTOMAT ST	150	2250	3247	7519517		199845010	00002540	447443
00017148	030-BENTOMAT ST	150	2250	3248	7519517		199845010	00002540	447443
00017149	030-BENTOMAT ST	150	2250	3248	7519517		199845010	00002540	447443
00017150	030-BENTOMAT ST	150	2250	3252	7519517		199845010	00002540	447443
00017151	030-BENTOMAT ST	150	2250	3198	7519517		199845010	00002582	447443
00017158	030-BENTOMAT ST	150	2250	3231	7519517		199845010	00002582	447443
00017159	030-BENTOMAT ST	150	2250	3239	7519517		199845010	00002582	447443
00017160	030-BENTOMAT ST	150	2250	3217	7519517		199845010	00002582	447443
00017161	030-BENTOMAT ST	150	2250	3246	7519517		199845010	00002582	447443

TOTAL SQUARE FEET..... 31,500

TOTAL PAGES 1

CERTIFICATION PACKAGE 9

11/13/98

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY
234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

13-Nov-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipments to Tomoka Farms LF, Daytona Beach, FL. These shipments left our CETCO - Fairmount, GA, plant on 11/12/98 .

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

A Wholly Owned Subsidiary of AMCOL International

Printed on recycled paper.

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**NOVEMBER 12, 1998**
	67560-67561
PRODUCT:	**BENTOMAT ST**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 13th **day of** Nov. **,19** 98.

Judy Hall

Notary Public

Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

CARRIER NAME: NATIONWIDE TEI

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 11/13/98 [redacted]

SHIPPER'S NO: 000067560

SHIP DATE: [redacted] 11/12/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT: Site# 904-947-2952

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500 [redacted]		BENTOMAT ST	[redacted]
14 Rolls-150 [redacted]		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	
[redacted]		[redacted]	[redacted]

GROSS: .00 TARE: .00 NET: 46210 [redacted]

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067560
ORDER DATE:. 9/22/97
SHIP DATE:. 11/12/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT SF	199845030	00016953	150.0	15.0	2250.0	3270
030-BENTOMAT ST		SFT SF	199845030	00016962	150.0	15.0	2250.0	3286
030-BENTOMAT ST		SFT SF	199845030	00016980	150.0	15.0	2250.0	3316
030-BENTOMAT ST		SFT SF	199846030	00017441	150.0	15.0	2250.0	3395
0-BENTOMAT ST		SFT SF	199846030	00017443	150.0	15.0	2250.0	3202
030-BENTOMAT ST		SFT SF	199846030	00017449	150.0	15.0	2250.0	3377
030-BENTOMAT ST		SFT SF	199846030	00017450	150.0	15.0	2250.0	3328
030-BENTOMAT ST		SFT SF	199846030	00017452	150.0	15.0	2250.0	3370
030-BENTOMAT ST		SFT SF	199846030	00017456	150.0	15.0	2250.0	3307
030-BENTOMAT ST		SFT SF	199846030	00017457	150.0	15.0	2250.0	3315
030-BENTOMAT ST		SFT SF	199846030	00017461	150.0	15.0	2250.0	3217
030-BENTOMAT ST		SFT SF	199846030	00017463	150.0	15.0	2250.0	3351
030-BENTOMAT ST		SFT SF	199846030	00017464	150.0	15.0	2250.0	3270
030-BENTOMAT ST		SFT SF	199846030	00017470	150.0	15.0	2250.0	3206
ORDER TOTALS.....							31500.0	46210.

TOTAL ITEMS..... 14

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE 1 C

CARRIER NAME: NATIONWIDE / SIE

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051
CAR/VEHICLE#:

DELIVERING CARRIER:

DEL DATE: 11/13/98

SHIPPER'S NO: 000067561

SHIP DATE: 11/12/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT: Site# 904-947-2952

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
[redacted]		BENTOMAT ST	[redacted]
14 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	
[redacted]		[redacted]	[redacted]

GROSS: .00 TARE: .00 NET: 46579

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as no[illegible]ents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood [illegible] a contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, [illegible] otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion [illegible] route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: S-I-E 11-12

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067561
ORDER DATE:. 9/22/97
SHIP DATE:.. 11/12/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF	199845030	00017254	150.0	15.0	2250.0	3320
030-BENTOMAT ST		SFT	SF	199845030	00017265	150.0	15.0	2250.0	3254
030-BENTOMAT ST		SFT	SF	199845030	00017295	150.0	15.0	2250.0	3400
030-BENTOMAT ST		SFT	SF	199846030	00017422	150.0	15.0	2250.0	3382
030-BENTOMAT ST		SFT	SF	199846030	00017423	150.0	15.0	2250.0	3390
030-BENTOMAT ST		SFT	SF	199846030	00017445	150.0	15.0	2250.0	3396
030-BENTOMAT ST		SFT	SF	199846030	00017448	150.0	15.0	2250.0	3347
030-BENTOMAT ST		SFT	SF	199846030	00017451	150.0	15.0	2250.0	3332
030-BENTOMAT ST		SFT	SF	199846030	00017454	150.0	15.0	2250.0	3338
030-BENTOMAT ST		SFT	SF	199846030	00017458	150.0	15.0	2250.0	3278
030-BENTOMAT ST		SFT	SF	199846030	00017459	150.0	15.0	2250.0	3298
030-BENTOMAT ST		SFT	SF	199846030	00017460	150.0	15.0	2250.0	3343
030-BENTOMAT ST		SFT	SF	199846030	00017473	150.0	15.0	2250.0	3241
030-BENTOMAT ST		SFT	SF	199846030	00017476	150.0	15.0	2250.0	3260
ORDER TOTALS.....								31500.0	46579.

TOTAL ITEMS..... 14

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

A Wholly Owned Subsidiary of AMCOL International

Printed on recycled paper.

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067560

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199846030	00017470	1.01	14.40	99.00	32.80
030-BENTOMAT ST	199846030	00017464	1.01	14.40	99.00	23.40
030-BENTOMAT ST	199846030	00017463	1.01	14.40	99.00	23.40
030-BENTOMAT ST	199846030	00017461	1.01*	14.40	99.00	23.40*
030-BENTOMAT ST	199846030	00017457	1.10	14.40	99.00	27.60
030-BENTOMAT ST	199846030	00017456	1.10	14.40	99.00	27.60
030-BENTOMAT ST	199846030	00017452	1.10	14.40	99.00	32.00
030-BENTOMAT ST	199846030	00017450	1.10	14.40	99.00	32.00
030-BENTOMAT ST	199846030	00017449	1.10	14.40	99.00	32.00
030-BENTOMAT ST	199846030	00017443	1.06	13.60	96.00	46.10
030-BENTOMAT ST	199846030	00017441	1.06*	13.60	96.00	46.10*
030-BENTOMAT ST	199845030	00016980	1.03	12.80	98.00	38.80
030-BENTOMAT ST	199845030	00016962	1.01	16.80	131.80	22.70
030-BENTOMAT ST	199845030	00016953	.99	16.80	131.80	24.70*

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067561

MATERIAL	LOT No.	ROLL No	BENTONITE *MASS/AREA* 0.75 lb/sqft ASTM D 5993	GRAB *ELONGATION* 10% Typical ASTM D 4632	GRAB *STRENGTH* 90 lbs ASTM D 4632	PEEL *STRENGTH* 15 lbs ASTM D 4632
030-BENTOMAT ST	199846030	00017476	1.01	14.40	99.00	32.80
030-BENTOMAT ST	199846030	00017473	1.01	14.40	99.00	32.80
030-BENTOMAT ST	199846030	00017460	1.10	14.40	99.00	27.60
030-BENTOMAT ST	199846030	00017459	1.10	14.40	99.00	27.60
030-BENTOMAT ST	199846030	00017458	1.10	14.40	99.00	27.60
030-BENTOMAT ST	199846030	00017454	1.10	14.40	99.00	27.60
030-BENTOMAT ST	199846030	00017451	1.10	14.40	99.00	32.00
030-BENTOMAT ST	199846030	00017448	1.10	14.40	99.00	32.00
030-BENTOMAT ST	199846030	00017445	1.10*	14.40*	99.00*	32.00*
030-BENTOMAT ST	199846030	00017423	1.10	13.60	96.00	23.80
030-BENTOMAT ST	199846030	00017422	1.10	13.60	96.00	23.80
030-BENTOMAT ST	199845030	00017295	1.09	16.00	130.40	29.00
030-BENTOMAT ST	199845030	00017265	1.03	16.00	130.40	19.60
030-BENTOMAT ST	199845030	00017254	1.04	16.00	130.40	28.60

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067560

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 160 lbs marv ASTM D 4632	GRAB ELONGATION 50% marv ASTM D 4632
030-NON-WOVEN	199844010	00002532	6.6	35.9	159.9
030-NON-WOVEN	199844010	00002534	6.6	35.9	159.9
030-NON-WOVEN	199844010	00002546	6.6	35.9	159.9
030-NON-WOVEN	199846010	00002598	6.6	35.9	159.9

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067561

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 160 lbs marv ASTM D 4632	GRAB ELONGATION 50% marv ASTM D 4632
030-NON-WOVEN	199844010	00002535	6.6	35.9	159.9
030-NON-WOVEN	199845010	00002567	6.6	35.9	159.9
030-NON-WOVEN	199845010	00002579	6.6	35.9	159.9
030-NON-WOVEN	199846010	00002598	6.6	35.9	159.9
030-NON-WOVEN	199846010	00002604	6.6	35.9	159.9

TOTAL PAGES 1

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

ISO 9002 CERTIFIED World Class Quality

November 4, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180001
PO# O-DH1-22997

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:180001

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7487953	151 x 164	23 x 26	291	3.6
7495459	152 x 155	22 x 26	313	3.4
7505599	154 x 146	21 x 21	312	3.4
7505839	157 x 152	21 x 25	318	3.4
7505845	162 x 145	23 x 24	325	3.3
7506177	153 x 142	19 x 25	291	3.4
7506227	147 x 149	26 x 27	318	3.4
7506231	165 x 154	25 x 27	316	3.5
7506233	166 x 147	25 x 26	313	3.4
7507259	156 x 138	24 x 23	311	3.4
7507260	156 x 145	22 x 23	309	3.4
7507262	152 x 153	21 x 23	314	3.5
7507396	164 x 158	23 x 29	305	3.4
7507400	153 x 136	25 x 26	326	3.3
7509570	154 x 160	22 x 24	342	3.5
7511318	159 x 151	26 x 27	322	3.5
7513324	167 x 154	28 x 28	359	3.5
7513325	176 x 159	30 x 28	352	3.5
7514606	182 x 150	23 x 24	329	3.3
7518345	162 x 148	25 x 29	313	3.3
7518499	159 x 156	25 x 30	341	3.3
7519479	152 x 141	25 x 24	328	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 6, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180102
PO# O-DH1-22997

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

SOL:180102

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7505610	151 x 160	22 x 27	357	3.5
7513327	156 x 161	25 x 28	340	3.5
7513328	172 x 154	25 x 26	334	3.4
7514609	175 x 170	26 x 31	325	3.4
7518346	155 x 135	22 x 23	327	3.3
7519356	141 x 146	25 x 28	306	3.4
7519517	149 x 149	22 x 22	311	3.3
7523550	159 x 160	23 x 28	331	3.3
7524237	159 x 166	24 x 29	315	3.5
7524238	158 x 170	23 x 27	315	3.5
7524246	165 x 174	28 x 30	317	3.4
7524339	157 x 156	22 x 26	343	3.5
7524340	161 x 153	23 x 26	303	3.4
7524342	151 x 145	22 x 26	307	3.3
7524449	166 x 160	24 x 26	335	3.4
7524456	158 x 154	24 x 29	326	3.3
7524603	159 x 154	23 x 27	318	3.4
7525162	168 x 162	22 x 23	359	3.4
7527288	154 x 145	24 x 23	310	3.3
7528663	155 x 166	21 x 23	297	3.6

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 14-Oct-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **07-Oct-98**
in **BN 450141**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.7
MOISTURE	ASTM D 2216	12.0% MAX.	8
FREE SWELL	ASTM D 5890	24 MIN.	25
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91954**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 07-Oct-98

TO: CETCO - CLAYMAX CORP.
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: CYNTHIA WILLIX

Dear Sirs:

A shipment of CG 50
left our Lovell, WY plant on 04-Oct-98
in BN 447058
as requested on your order no. VERBAL

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: C.C

Approved By: MOSES BRISENO

CETCO

In any correspondence regarding this shipment, please refer to our Order Number 91951

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 22-Oct-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **19-Oct-98**
in **BN 454054**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	9.6
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91960**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 21-Oct-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **18-Oct-98**
in **BNSF 409218**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **J.J.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91956**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 22-Oct-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **19-Oct-98**
in **BNSF 420283**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	7.2
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91958**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

Printed on recycled paper.

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067560

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199845030									
00016953	030-BENTOMAT ST	150	2250	3270	7505599		199844010	00002546	450141
00016962	030-BENTOMAT ST	150	2250	3286	7505839		199844010	00002534	450141
00016980	030-BENTOMAT ST	150	2250	3316	7506231		199844010	00002532	447058
LOT# 199846030									
00017441	030-BENTOMAT ST	150	2250	3395	7487953		199846010	00002598	454054
00017443	030-BENTOMAT ST	150	2250	3202	7487953		199846010	00002598	420283
00017449	030-BENTOMAT ST	150	2250	3377	7487953		199846010	00002598	420283
00017450	030-BENTOMAT ST	150	2250	3328	7487953		199846010	00002598	420283
00017452	030-BENTOMAT ST	150	2250	3370	7524246		199846010	00002598	420283
00017456	030-BENTOMAT ST	150	2250	3307	7524246		199846010	00002598	420283
00017457	030-BENTOMAT ST	150	2250	3315	7524246		199846010	00002598	420283
00017461	030-BENTOMAT ST	150	2250	3217	7524246		199846010	00002598	420283
00017463	030-BENTOMAT ST	150	2250	3351	7524246		199846010	00002598	420283
00017464	030-BENTOMAT ST	150	2250	3270	7524246		199846010	00002598	420283
00017470	030-BENTOMAT ST	150	2250	3206	7524246		199846010	00002598	420283

TOTAL SQUARE FEET..... 31,500

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067561

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199845030									
00017254	030-BENTOMAT ST	150	2250	3320	7525162		199844010	00002535	409218
00017265	030-BENTOMAT ST	150	2250	3254	7524456		199845010	00002579	409218
00017295	030-BENTOMAT ST	150	2250	3400	7527288		199845010	00002567	409218
LOT# 199846030									
00017422	030-BENTOMAT ST	150	2250	3382	7507260		199846010	00002604	454054
00017423	030-BENTOMAT ST	150	2250	3390	7507260		199846010	00002604	454054
00017445	030-BENTOMAT ST	150	2250	3396	7487953		199846010	00002598	420283
00017448	030-BENTOMAT ST	150	2250	3347	7487953		199846010	00002598	420283
00017451	030-BENTOMAT ST	150	2250	3332	7487953		199846010	00002598	420283
00017454	030-BENTOMAT ST	150	2250	3338	7524246		199846010	00002598	420283
00017458	030-BENTOMAT ST	150	2250	3278	7524246		199846010	00002598	420283
00017459	030-BENTOMAT ST	150	2250	3298	7524246		199846010	00002598	420283
00017460	030-BENTOMAT ST	150	2250	3343	7524246		199846010	00002598	420283
00017473	030-BENTOMAT ST	150	2250	3241	7524246		199846010	00002598	420283
00017476	030-BENTOMAT ST	150	2250	3260	7524246		199846010	00002598	420283

TOTAL SQUARE FEET..... 31.500

CERTIFICATION PACKAGE 10

11/17/98

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY
234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

17-Nov-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipments to Tomoka Farms LF, Daytona Beach, FL. These shipments left our CETCO - Fairmount, GA, plant on 11/16/98 .

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

Printed on recycled paper

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 67562-67563

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	TOMOKA FARMS LF
DATE:	NOVEMBER 12, 1998
ORDER#(S):	67562-67563
PRODUCT:	BENTOMAT ST

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 17th day of Nov., 19 98.

Judy Hall

Notary Public

OFFICIAL SEAL
JUDY HALL
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002

Printed on recycled paper

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT Tomoka Farms LF

ORDER #: 67562-67563

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

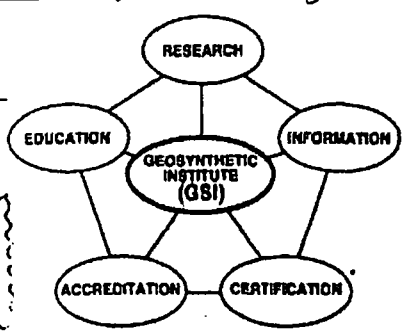
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willey
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 17th day of Nov. 1998.

Judy Hall
Notary Public

OFFICIAL SEAL
JUDY HALL
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002



STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE[1] C

CARRIER NAME: NATIONWIDE / LANDSTAR
CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952
SOLDTO: 607 SHIPTO: 01
CONSIGNED P.O.#: PA74051
CAR/VEHICLE#:

ROUTING/CONTRACT:

DELIVERING CARRIER:
DEL DATE: ~~1/15/98~~ 11/17/98 SHIPPER'S NO: 000067562
SHIP DATE: ~~1/10/98~~ 11/16/98
SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	KM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
~~[redacted]~~		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	44998 ~~[redacted]~~
[redacted]		[redacted]	[redacted]

GROSS: .00 TARE: .00 NET: 44998

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS
RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except [illegible] contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood [illegible] this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, [illegible] otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion [illegible] to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Poole

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
Per _____

PLACARDS REQUIRED ☐ YES ☐ NO—FURNISHED BY CARRIER
PLACARDS SUPPLIED
DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067562
ORDER DATE: 9/22/97
SHIP DATE:. 11/16/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199845030	00017200	150.0	15.0	2250.0	3195
030-BENTOMAT ST		SFT	SF 199845030	00017201	150.0	15.0	2250.0	3243
030-BENTOMAT ST		SFT	SF 199845030	00017202	150.0	15.0	2250.0	3235
030-BENTOMAT ST		SFT	SF 199845030	00017203	150.0	15.0	2250.0	3252
030-BENTOMAT ST		SFT	SF 199845030	00017204	150.0	15.0	2250.0	3188
030-BENTOMAT ST		SFT	SF 199845030	00017205	150.0	15.0	2250.0	3163
030-BENTOMAT ST		SFT	SF 199845030	00017206	150.0	15.0	2250.0	3190
030-BENTOMAT ST		SFT	SF 199845030	00017207	150.0	15.0	2250.0	3200
030-BENTOMAT ST		SFT	SF 199845030	00017210	150.0	15.0	2250.0	3200
030-BENTOMAT ST		SFT	SF 199845030	00017211	150.0	15.0	2250.0	3201
030-BENTOMAT ST		SFT	SF 199845030	00017213	150.0	15.0	2250.0	3220
030-BENTOMAT ST		SFT	SF 199845030	00017214	150.0	15.0	2250.0	3205
030-BENTOMAT ST		SFT	SF 199845030	00017215	150.0	15.0	2250.0	3202
030-BENTOMAT ST		SFT	SF 199845030	00017271	150.0	15.0	2250.0	3304
							========	=======
ORDER TOTALS.....							31500.0	44998.

TOTAL ITEMS..... 14

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1

CARRIER NAME: NATIONWIDE / Landstar

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051
CAR/VEHICLE#:

ROUTING/CONTRACT:

DELIVERING CARRIER:

DEL DATE: ~~10/15/98~~ 11-17-98 SHIPPER'S NO: 000067563

SHIP DATE: ~~1/10/98~~ 11/16/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA .

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
~~29250~~		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	43881
[redacted]		CG-50 SEAMING CLAY (10902/024) CLAY-BENTONITE-GROUND (CLASS 50) 3295232	3000.00
1020 Bags (one pallet, load from side)			

GROSS: .00 TARE: .00 NET: 46881

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Centonie Wa

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER
DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067563
ORDER DATE: 9/22/97
SHIP DATE:.. 11/16/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199845030	00017198	150.0	15.0	2250.0	3237
030-BENTOMAT ST		SFT	SF 199845030	00017199	150.0	15.0	2250.0	3170
030-BENTOMAT ST		SFT	SF 199845030	00017209	150.0	15.0	2250.0	3213
030-BENTOMAT ST		SFT	SF 199845030	00017263	150.0	15.0	2250.0	3316
030-BENTOMAT ST		SFT	SF 199846030	00017397	150.0	15.0	2250.0	3386
030-BENTOMAT ST		SFT	SF 199846030	00017551	150.0	15.0	2250.0	3405
030-BENTOMAT ST		SFT	SF 199846030	00017552	150.0	15.0	2250.0	3476
030-BENTOMAT ST		SFT	SF 199846030	00017553	150.0	15.0	2250.0	3472
030-BENTOMAT ST		SFT	SF 199846030	00017554	150.0	15.0	2250.0	3460
030-BENTOMAT ST		SFT	SF 199846030	00017555	150.0	15.0	2250.0	3479
030-BENTOMAT ST		SFT	SF 199846030	00017556	150.0	15.0	2250.0	3476
030-BENTOMAT ST		SFT	SF 199846030	00017557	150.0	15.0	2250.0	3451
030-BENTOMAT ST		SFT	SF 199847030	00017607	150.0	15.0	2250.0	3340
							========	=======
ORDER TOTALS.....							29250.0	43881.

TOTAL ITEMS..... 13

60 Bags

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067563

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199847030	00017607	1.03	13.60	95.00	23.10
030-BENTOMAT ST	199846030	00017557	1.12	12.00	103.40	33.40
030-BENTOMAT ST	199846030	00017556	1.12	12.00	103.40	33.40
030-BENTOMAT ST	199846030	00017555	1.12*	12.00	103.40	33.40*
030-BENTOMAT ST	199846030	00017554	1.03	12.00	103.40	30.00
030-BENTOMAT ST	199846030	00017553	1.03	12.00	103.40	30.00
030-BENTOMAT ST	199846030	00017552	1.03	12.00	103.40	30.00
030-BENTOMAT ST	199846030	00017551	1.03	12.00	103.40	30.00
030-BENTOMAT ST	199846030	00017397	1.01	12.80	100.40	36.80
030-BENTOMAT ST	199845030	00017263	1.03	16.00	130.40	22.50
030-BENTOMAT ST	199845030	00017209	1.08	16.00	130.40	38.10
030-BENTOMAT ST	199845030	00017199	1.01	16.00	114.10	32.40
030-BENTOMAT ST	199845030	00017198	1.01	16.00	114.10	32.40

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

Printed on recycled paper

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067562

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199845030	00017271	1.03	16.00	130.40	19.60
030-BENTOMAT ST	199845030	00017215	1.08	16.00	130.40	39.10
030-BENTOMAT ST	199845030	00017214	1.08	16.00	130.40	39.10
030-BENTOMAT ST	199845030	00017213	1.08	16.00	130.40	39.10
030-BENTOMAT ST	199845030	00017211	1.08	16.00	130.40	38.10
030-BENTOMAT ST	199845030	00017210	1.08	16.00	130.40	38.10
030-BENTOMAT ST	199845030	00017207	1.08	16.00	130.40	38.10
030-BENTOMAT ST	199845030	00017206	1.08	16.00	130.40	38.10
030-BENTOMAT ST	199845030	00017205	1.08	16.00	130.40	38.10
030-BENTOMAT ST	199845030	00017204	1.08	16.00	130.40	38.10
030-BENTOMAT ST	199845030	00017203	1.08*	16.00	130.40*	38.10*
030-BENTOMAT ST	199845030	00017202	1.01	16.00	114.10	32.40
030-BENTOMAT ST	199845030	00017201	1.01	16.00	114.10	32.40
030-BENTOMAT ST	199845030	00017200	1.01	16.00	114.10	32.40

NOTE:
An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067563

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 160 lbs marv ASTM D 4632	GRAB ELONGATION 50% marv ASTM D 4632
030-NON-WOVEN	199844010	00002535	6.5	19.2	145.1
030-NON-WOVEN	199844010	00002536	6.5	19.2	145.1
030-NON-WOVEN	199845010	00002561	6.7	11.1	126.5
030-NON-WOVEN	199845010	00002566	6.7	11.1	126.5
030-NON-WOVEN	199846010	00002589	6.9	88.6	161.5
030-NON-WOVEN	199846010	00002647	6.5	26.1	154.2

TOTAL PAGES 1

QCG#TF3 QCT#TF3
11/17/98 11:02:46

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

PA

FAIRMOUNT.GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067562

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 160 lbs marv ASTM D 4632	GRAB ELONGATION 50% marv ASTM D 4632
030-NON-WOVEN	199843010	00002465	6.4	9.0	134.8
030-NON-WOVEN	199844010	00002536	6.5	19.2	145.1
030-NON-WOVEN	199845010	00002566	6.7	11.1	126.5
030-NON-WOVEN	199845010	00002579	6.5	14.2	146.5

TOTAL PAGES 1

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 9, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #178964
PO# O-DH1-22584

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:178964

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
278654	170 x 162	23 x 22	350	3.5
334175	162 x 164	22 x 23	346	3.6
7469895	146 x 165	19 x 23	363	3.7
7480049	183 x 155	25 x 27	333	3.4
7480051	167 x 161	27 x 29	300	3.5
7481314	158 x 143	23 x 23	311	3.4
7481319	153 x 147	21 x 25	331	3.4
7484557	151 x 137	25 x 25	310	3.5
7484558	154 x 138	25 x 21	310	3.4
7484560	152 x 138	21 x 24	334	3.4
7487153	174 x 157	24 x 24	320	3.5
7487154	150 x 150	26 x 27	337	3.6
7488652	158 x 169	23 x 22	325	3.8
7489089	158 x 147	24 x 24	366	3.7
7489090	160 x 152	27 x 27	326	3.6
7301118	170 x 162	23 x 22	350	3.5
7358655	162 x 155	22 x 24	346	3.6
7447984	146 x 138	25 x 23	333	3.4
7481318	167 x 137	27 x 22	331	3.4
7484559	154 x 137	25 x 25	310	3.5

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 4, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180001
PO# O-DH1-22997

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

ISO 9002 CERTIFIED World Class Quality

BOL:180001

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7487953	151 x 164	23 x 26	291	3.6
7495459	152 x 155	22 x 26	313	3.4
7505599	154 x 146	21 x 21	312	3.4
7505839	157 x 152	21 x 25	318	3.4
7505845	162 x 145	23 x 24	325	3.3
7506177	153 x 142	19 x 25	291	3.4
7506227	147 x 149	26 x 27	318	3.4
7506231	165 x 154	25 x 27	316	3.5
7506233	166 x 147	25 x 26	313	3.4
7507259	156 x 138	24 x 23	311	3.4
7507260	156 x 145	22 x 23	309	3.4
7507262	152 x 153	21 x 23	314	3.5
7507396	164 x 158	23 x 29	305	3.4
7507400	153 x 136	25 x 26	326	3.3
7509570	154 x 160	22 x 24	342	3.5
7511318	159 x 151	26 x 27	322	3.5
7513324	167 x 154	28 x 28	359	3.5
7513325	176 x 159	30 x 28	352	3.5
7514606	182 x 150	23 x 24	329	3.3
7518345	162 x 148	25 x 29	313	3.3
7518499	159 x 156	25 x 30	341	3.3
7519479	152 x 141	25 x 24	328	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423.899.0444 • Fax • 423.899.7619 • 1.800.621.0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 6, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180102
PO# O-DH1-22997

This is to certify that Style 82 Tex, a woven polypropylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

SOL:180102

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7505610	151 x 160	22 x 27	357	3.5
7513327	156 x 161	25 x 28	340	3.5
7513328	172 x 154	25 x 26	334	3.4
7514609	175 x 170	26 x 31	325	3.4
7518346	155 x 135	22 x 23	327	3.3
7519356	141 x 146	25 x 28	306	3.4
7519517	149 x 149	22 x 22	311	3.3
7523550	159 x 160	23 x 28	331	3.3
7524237	159 x 166	24 x 29	315	3.5
7524238	158 x 170	23 x 27	315	3.5
7524246	165 x 174	28 x 30	317	3.4
7524339	157 x 156	22 x 26	343	3.5
7524340	161 x 153	23 x 26	303	3.4
7524342	151 x 145	22 x 26	307	3.3
7524449	166 x 160	24 x 26	335	3.4
7524456	158 x 154	24 x 29	326	3.3
7524603	159 x 154	23 x 27	318	3.4
7525162	168 x 162	22 x 23	359	3.4
7527288	154 x 145	24 x 23	310	3.3
7528663	155 x 166	21 x 23	297	3.5

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

November 16, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180411
PO# O-DH1-23130

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D 5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

BOL:180411

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7519519	157 x 148	20 x 22	333	3.4
7523553	153 x 135	19 x 20	303	3.3
7523556	157 x 139	21 x 22	315	3.3
7523562	158 x 135	20 x 20	317	3.2
7523565	158 x 151	21 x 22	327	3.4
7524243	156 x 147	21 x 22	344	3.3
7524343	158 x 143	20 x 21	316	3.3
7524344	159 x 143	22 x 21	301	3.3
7524451	167 x 165	22 x 23	310	3.4
7524452	166 x 156	23 x 22	326	3.4
7524454	159 x 158	21 x 25	316	3.4
7524455	167 x 161	21 x 27	326	3.4
7524611	171 x 161	22 x 25	307	3.5
7525164	177 x 150	23 x 23	328	3.3
7528163	156 x 147	20 x 26	336	3.4
7528170	145 x 141	27 x 21	331	3.4
7528297	166 x 152	22 x 22	348	3.4
7528299	161 x 145	21 x 20	349	3.4
7531672	158 x 174	21 x 25	333	3.5
7533155	179 x 165	23 x 27	352	3.4
7533304	147 x 135	19 x 19	315	3.2
7533306	149 x 143	19 x 21	322	3.3

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 17, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
BoL; 625872 PO 0-DH1-23129

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1997

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

11/13/98 16:30 Page 1

Synthetic Industries
Individual Roll Data
Bill of Lading:625972

Roll Number	Style	Mass/ Unit Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833
S145218A	650	7.3	147	88	144	108	120	41	52	255	87
B8C0131A	650	7.6	150	111	142	115	118	48	49	234	71

Sid Wesson

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that erials produced during the production run meets our published minimum average roll values, approved rolls are shipped for age until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 22-Oct-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **21-Oct-98**
in **BN 453630**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	7.6
FREE SWELL	ASTM D 5890	24 MIN.	27
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **91963**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 21-Oct-98

TO: CETCO - CLAYMAX CORP.
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: CYNTHIA WILLIX

Dear Sirs:

A shipment of CG 50
left our Lovell, WY plant on 18-Oct-98
in BNSF 409218
as requested on your order no. VERBAL

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: J.J.

Approved By: MOSES BRISENO

CETCO

In any correspondence regarding this shipment, please refer to our Order Number 91956

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 29-Oct-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **26-Oct-98**
in **BN 455820**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.8
MOISTURE	ASTM D 2216	12.0% MAX.	10
FREE SWELL	ASTM D 5890	24 MIN.	28
FLUID LOSS	ASTM D 5891	18.0 MAX.	14

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **D.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **91966**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 29-Oct-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **25-Oct-98**
in **BN 454193**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	28
FLUID LOSS	ASTM D 5891	18.0 MAX.	14

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **95929**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

Printed on recycled paper.

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067563

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199845030									
00017198	030-BENTOMAT ST	150	2250	3237	7518346		199845010	00002566	409218
00017199	030-BENTOMAT ST	150	2250	3170	7518346		199845010	00002566	409218
00017209	030-BENTOMAT ST	150	2250	3213	7518346		199844010	00002536	409218
00017263	030-BENTOMAT ST	150	2250	3316	7524456		199844010	00002535	409218
LOT# 199846030									
00017397	030-BENTOMAT ST	150	2250	3386	7507259		199845010	00002561	453630
00017551	030-BENTOMAT ST	150	2250	3405	7519519			5145219A	455820
00017552	030-BENTOMAT ST	150	2250	3476	7519519			5145219A	455820
00017553	030-BENTOMAT ST	150	2250	3472	7519519			5145219A	455820
00017554	030-BENTOMAT ST	150	2250	3460	7519519			5145219A	455820
00017555	030-BENTOMAT ST	150	2250	3479	7519519			5145219A	455820
00017556	030-BENTOMAT ST	150	2250	3476	7519519			5145219A	455820
00017557	030-BENTOMAT ST	150	2250	3451	7519519		199846010	00002589	455820
LOT# 199847030									
00017607	030-BENTOMAT ST	150	2250	3340	7488652		199846010	00002647	454193

TOTAL SQUARE FEET..... 29,250

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067562

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199845030									
00017200	030-BENTOMAT ST	150	2250	3195	7518346		199845010	00002566	409218
00017201	030-BENTOMAT ST	150	2250	3243	7518346		199845010	00002566	409218
00017202	030-BENTOMAT ST	150	2250	3235	7518346		199845010	00002566	409218
00017203	030-BENTOMAT ST	150	2250	3252	7518346		199844010	00002536	409218
00017204	030-BENTOMAT ST	150	2250	3188	7518346		199844010	00002536	409218
00017205	030-BENTOMAT ST	150	2250	3163	7518346		199844010	00002536	409218
00017206	030-BENTOMAT ST	150	2250	3190	7518346		199844010	00002536	409218
00017207	030-BENTOMAT ST	150	2250	3200	7518346		199844010	00002536	409218
00017210	030-BENTOMAT ST	150	2250	3200	7518346		199844010	00002536	409218
00017211	030-BENTOMAT ST	150	2250	3201	7518346		199844010	00002536	409218
00017213	030-BENTOMAT ST	150	2250	3220	7513328		199843010	00002465	409218
00017214	030-BENTOMAT ST	150	2250	3205	7513328		199843010	00002465	409218
00017215	030-BENTOMAT ST	150	2250	3202	7513328		199843010	00002465	409218
00017271	030-BENTOMAT ST	150	2250	3304	7524456		199845010	00002579	409218

TOTAL SQUARE FEET..... 31,500

TOTAL PAGES 1

CERTIFICATION PACKAGE 11

11/18/98

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY
234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

18-Nov-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipments to Tomoka Farms LF, Daytona Beach, FL. These shipments left our CETCO - Fairmount, GA, plant on 11/17/98 .

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

Printed on recycled paper

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 67564-67565

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	TOMOKA FARMS LF
DATE:	NOVEMBER 17, 1998
ORDER#(S):	67564-67565
PRODUCT:	BENTOMAT ST

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 18th day of Nov., 1998.

Judy Hall

Notary Public

OFFICIAL SEAL
JUDY HALL
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT Tomoka Farms LF

ORDER #: 67564-67565

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

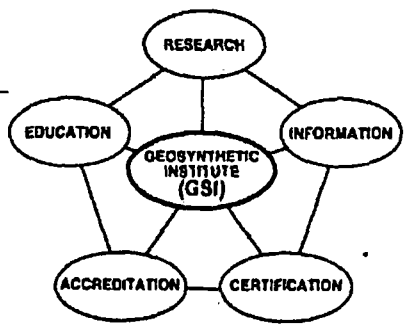
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willis
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 18th day of Nov. 1998.

Judy Hall
Notary Public

OFFICIAL SEAL
JUDY HALL
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002



*110 11F A

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE

CARRIER NAME: NATIONWIDE / LANDSTAR

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

11-18-98 SHIPPER'S NO: 000067564

DEL DATE: ~~10/16/98~~ SHIP DATE: ~~10/10/98~~ 10/12/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA
234 GORDON ST
FAIRMOUNT GA .

ROUTING/CONTRACT:

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
~~20224.0000~~ 31500 14Rolls		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	~~777.3920~~
[redacted]		[redacted]	~~650.0000~~

GROSS: .00 TARE: .00 NET: ~~46323~~ ~~,427.39~~

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

2150

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except [illegible]d (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood [illegible]out this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, [illegible]s route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

Terry Holcombe

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED

☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067564
ORDER DATE: 9/22/97
SHIP DATE:. 11/17/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199847030	00017668	150.0	15.0	2250.0	3171
030-BENTOMAT ST		SFT	SF 199847030	00017669	150.0	15.0	2250.0	3204
030-BENTOMAT ST		SFT	SF 199847030	00017670	150.0	15.0	2250.0	3279
030-BENTOMAT ST		SFT	SF 199847030	00017706	150.0	15.0	2250.0	3221
30-BENTOMAT ST		SFT	SF 199847030	00017707	150.0	15.0	2250.0	3307
030-BENTOMAT ST		SFT	SF 199847030	00017708	150.0	15.0	2250.0	3313
030-BENTOMAT ST		SFT	SF 199847030	00017709	150.0	15.0	2250.0	3283
030-BENTOMAT ST		SFT	SF 199847030	00017710	150.0	15.0	2250.0	3273
030-BENTOMAT ST		SFT	SF 199847030	00017711	150.0	15.0	2250.0	3389
030-BENTOMAT ST		SFT	SF 199847030	00017712	150.0	15.0	2250.0	3311
030-BENTOMAT ST		SFT	SF 199847030	00017721	150.0	15.0	2250.0	3397
030-BENTOMAT ST		SFT	SF 199847030	00017726	150.0	15.0	2250.0	3404
030-BENTOMAT ST		SFT	SF 199847030	00017727	150.0	15.0	2250.0	3381
030-BENTOMAT ST		SFT	SF 199847030	00017728	150.0	15.0	2250.0	3390
							========	=======
ORDER TOTALS.....							31500.0	46323.

TOTAL ITEMS..... 14

*110 '15

STRAIGHT BILL OF LADING—ORIGINAL—~~NOT~~ NEGOTIABLE PAGE 1

CARRIER NAME: NATIONWIDE / Landstar

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051
CAR/VEHICLE#:

ROUTING/CONTRACT:

DELIVERING CARRIER:

DEL DATE: ~~10/16/98~~ 11-18-98 SHIPPER'S NO: 000067565

SHIP DATE: ~~10/13/98~~ 11-17-98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SHIPPING PLANT: FAIRMOUNT, GA
234 GORDON ST
FAIRMOUNT GA ,

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
~~30224.0000~~ 31500		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	~~[redacted].777.3920~~
14 Rolls		[redacted]	~~650.0000~~

GROSS: .00 TARE: .00 NET: ~~[redacted].427.39~~ 46158

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."
PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

3:00

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED ☐ YES ☐ NO—FURNISHED BY CARRIER

PLACARDS SUPPLIED

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067565
ORDER DATE: 9/22/97
SHIP DATE:. 11/17/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199847030	00017608	150.0	15.0	2250.0	3564
030-BENTOMAT ST		SFT	SF 199847030	00017610	150.0	15.0	2250.0	3430
030-BENTOMAT ST		SFT	SF 199847030	00017611	150.0	15.0	2250.0	3428
030-BENTOMAT ST		SFT	SF 199847030	00017612	150.0	15.0	2250.0	3381
30-BENTOMAT ST		SFT	SF 199847030	00017613	150.0	15.0	2250.0	3444
030-BENTOMAT ST		SFT	SF 199847030	00017665	150.0	15.0	2250.0	3208
030-BENTOMAT ST		SFT	SF 199847030	00017666	150.0	15.0	2250.0	3222
030-BENTOMAT ST		SFT	SF 199847030	00017687	150.0	15.0	2250.0	3181
030-BENTOMAT ST		SFT	SF 199847030	00017688	150.0	15.0	2250.0	3180
030-BENTOMAT ST		SFT	SF 199847030	00017689	150.0	15.0	2250.0	3101
030-BENTOMAT ST		SFT	SF 199847030	00017690	150.0	15.0	2250.0	3221
030-BENTOMAT ST		SFT	SF 199847030	00017691	150.0	15.0	2250.0	3230
030-BENTOMAT ST		SFT	SF 199847030	00017692	150.0	15.0	2250.0	3274
030-BENTOMAT ST		SFT	SF 199847030	00017694	150.0	15.0	2250.0	3294
ORDER TOTALS.....							31500.0	46158.

TOTAL ITEMS..... 14

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

Printed on recycled paper

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067564

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199847030	00017728	1.11	12.00	95.20	34.50
030-BENTOMAT ST	199847030	00017727	1.11	12.00	95.20	34.50
030-BENTOMAT ST	199847030	00017726	1.11	12.00	95.20	34.50
030-BENTOMAT ST	199847030	00017721	1.11	12.00	95.20	34.50*
030-BENTOMAT ST	199847030	00017712	1.00	14.40	106.00	25.60
030-BENTOMAT ST	199847030	00017711	1.00	14.40	106.00	25.60
030-BENTOMAT ST	199847030	00017710	1.00	14.40	106.00	25.60
030-BENTOMAT ST	199847030	00017709	1.00	14.40	106.00	25.60
030-BENTOMAT ST	199847030	00017708	1.00	14.40	106.00	25.60
030-BENTOMAT ST	199847030	00017707	1.00	14.40	106.00	25.60
030-BENTOMAT ST	199847030	00017706	1.00	14.40	106.00	25.60
030-BENTOMAT ST	199847030	00017670	1.03	14.40	106.00	25.50
030-BENTOMAT ST	199847030	00017669	1.03	14.40	106.00	25.50
030-BENTOMAT ST	199847030	00017668	1.03	14.40	106.00	25.50

NOTE:
An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067565

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199847030	00017694	1.00	14.40	106.00	29.90
030-BENTOMAT ST	199847030	00017692	1.00*	14.40	106.00	29.90*
030-BENTOMAT ST	199847030	00017691	1.04	14.40	106.00	26.60
030-BENTOMAT ST	199847030	00017690	1.04	14.40	106.00	26.60
030-BENTOMAT ST	199847030	00017689	1.04	14.40	106.00	26.60
030-BENTOMAT ST	199847030	00017688	1.04	14.40	106.00	26.60
030-BENTOMAT ST	199847030	00017687	1.04	14.40	106.00	26.60
030-BENTOMAT ST	199847030	00017666	1.03	14.40	106.00	33.50
030-BENTOMAT ST	199847030	00017665	1.03	14.40	106.00	33.50
030-BENTOMAT ST	199847030	00017613	1.06	12.00	101.00	22.90
030-BENTOMAT ST	199847030	00017612	1.06	12.00	101.00	22.90
030-BENTOMAT ST	199847030	00017611	1.06	12.00	101.00	22.90
030-BENTOMAT ST	199847030	00017610	1.06	12.00	101.00	22.90
030-BENTOMAT ST	199847030	00017608	1.03	13.60	95.00	23.10

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067564

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 160 lbs marv ASTM D 4632	GRAB ELONGATION 50% marv ASTM D 4632
030-NON-WOVEN	199844010	00002538	6.2	13.6	145.5
030-NON-WOVEN	199845010	00002569	6.5	14.2	146.5
030-NON-WOVEN	199845010	00002570	6.5	14.2	146.5
030-NON-WOVEN	199846010	00002607	6.5	26.1	154.2
030-NON-WOVEN	199846010	00002612	6.5	26.1	154.2
030-NON-WOVEN	199846010	00002620	6.5	26.1	154.2

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067565

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 160 lbs marv ASTM D 4632	GRAB ELONGATION 50% marv ASTM D 4632
030-NON-WOVEN	199846010	00002620	6.5	26.1	154.2
030-NON-WOVEN	199846010	00002626	6.5	26.1	154.2

TOTAL PAGES 1

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 18, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180537
PO# O-DH1-23189

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

LOL:180537

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
291948	158 x 150	21 x 21	326	3.5
7523558	149 x 141	20 x 21	309	3.3
7523559	150 x 139	20 x 22	280	3.3
7523560	149 x 146	21 x 32	327	3.9
7524245	164 x 153	21 x 23	339	3.5
7524453	160 x 152	20 x 22	313	3.4
7524609	166 x 144	22 x 24	327	3.3
7528164	148 x 135	18 x 19	290	3.4
7528165	164 x 138	19 x 21	308	3.4
7528169	160 x 148	21 x 22	329	3.4
7528301	158 x 136	20 x 22	342	3.3
7528302	169 x 146	21 x 21	335	3.4
7531676	165 x 159	22 x 24	329	3.4
7531677	168 x 145	22 x 20	355	3.3
7532892	151 x 162	19 x 21	331	3.6
7533157	161 x 155	22 x 23	325	3.4
7533158	165 x 144	23 x 21	318	3.4
7533307	154 x 150	21 x 22	314	3.4
7540443	156 x 141	21 x 22	298	3.3
7540445	147 x 142	20 x 23	308	3.4
7540564	144 x 140	19 x 21	303	3.3
7541291	166 x 162	21 x 23	315	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

November 16, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180411
PO# O-DH1-23130

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D 5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

SOL:180411

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7519519	157 x 148	20 x 22	333	3.4
7523553	153 x 135	19 x 20	303	3.3
7523556	157 x 139	21 x 22	315	3.3
7523562	158 x 135	20 x 20	317	3.2
7523565	158 x 151	21 x 22	327	3.4
7524243	156 x 147	21 x 22	344	3.3
7524343	158 x 143	20 x 21	316	3.3
7524344	159 x 143	22 x 21	301	3.3
7524451	167 x 165	22 x 23	310	3.4
7524452	166 x 156	23 x 22	326	3.4
7524454	159 x 158	21 x 25	316	3.4
7524455	167 x 161	21 x 27	326	3.4
7524611	171 x 161	22 x 25	307	3.5
7525164	177 x 150	23 x 23	328	3.3
7528163	156 x 147	20 x 26	336	3.4
7528170	145 x 141	27 x 21	331	3.4
7528297	166 x 152	22 x 22	348	3.4
7528299	161 x 145	21 x 20	349	3.4
7531672	158 x 174	21 x 25	333	3.5
7533156	179 x 165	23 x 27	352	3.4
7533304	147 x 135	19 x 19	315	3.2
7533306	149 x 143	19 x 21	322	3.3

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 18, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
Bol: 625904 PO 0-DH1-23190

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated hereof. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 12/1997

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

11/17/98 14:39 Page 1

Synthetic Industries
Individual Roll Data
Bill of Lading:625904

Roll Number	Style	Mass/ Unit Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833
5145260A	650	6.4	136	66	94	113	113	37	33	220	66
5145263A	650	7.2	146	90	133	111	120	45	48	227	66
5145300A	650	6.3	120	67	97	101	123	33	32	219	65
B800124A	650	7.4									78

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 27-Oct-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **25-Oct-98**
in **BN 412408**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	28
FLUID LOSS	ASTM D 5891	18.0 MAX.	14

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **J.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95927**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 04-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A *shipment of* **CG 50**
left our Lovell, WY plant on **27-Oct-98**
in **BN 454295**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	10.8
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	13

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **J.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **95930**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

Printed on recycled paper

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067564

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199847030									
00017668	030-BENTOMAT ST	150	2250	3171	7528302		199846010	00002620	412408
00017669	030-BENTOMAT ST	150	2250	3204	7528302		199846010	00002620	412408
00017670	030-BENTOMAT ST	150	2250	3279	7528302		199846010	00002612	412408
00017706	030-BENTOMAT ST	150	2250	3221	7528164		199844010	00002538	412408
00017707	030-BENTOMAT ST	150	2250	3307	7540445		199846010	00002607	412408
00017708	030-BENTOMAT ST	150	2250	3313	7540445		199846010	00002607	412408
00017709	030-BENTOMAT ST	150	2250	3283	7540445		199846010	00002607	412408
00017710	030-BENTOMAT ST	150	2250	3273	7540445		199846010	00002607	412408
00017711	030-BENTOMAT ST	150	2250	3389	7540445		199846010	00002607	412408
00017712	030-BENTOMAT ST	150	2250	3311	7540445		199846010	00002607	412408
00017721	030-BENTOMAT ST	150	2250	3397	7540445		199845010	00002569	412408
00017726	030-BENTOMAT ST	150	2250	3404	7528301		199845010	00002569	454295
00017727	030-BENTOMAT ST	150	2250	3381	7528301		199845010	00002570	454295
00017728	030-BENTOMAT ST	150	2250	3390	7528301		199845010	00002570	454295

TOTAL SQUARE FEET..... 31.500

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067565

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199847030									
00017608	030-BENTOMAT ST	150	2250	3564	7523562			B800129A	412408
00017610	030-BENTOMAT ST	150	2250	3430	7523562			B800129A	412408
00017611	030-BENTOMAT ST	150	2250	3428	7523562			B800129A	412408
00017612	030-BENTOMAT ST	150	2250	3381	7523562			B800129A	412408
00017613	030-BENTOMAT ST	150	2250	3444	7523562			B800129A	412408
00017665	030-BENTOMAT ST	150	2250	3208	7528302		199846010	00002620	412408
00017666	030-BENTOMAT ST	150	2250	3222	7528302		199846010	00002620	412408
00017687	030-BENTOMAT ST	150	2250	3181	7523558		199846010	00002626	412408
00017688	030-BENTOMAT ST	150	2250	3180	7523558		199846010	00002626	412408
00017689	030-BENTOMAT ST	150	2250	3101	7523558		199846010	00002626	412408
00017690	030-BENTOMAT ST	150	2250	3221	7523558		199846010	00002626	412408
00017691	030-BENTOMAT ST	150	2250	3230	7523558		199846010	00002626	412408
00017692	030-BENTOMAT ST	150	2250	3274	7523558		199846010	00002626	412408
00017694	030-BENTOMAT ST	150	2250	3294	7523558		199846010	00002626	412408

TOTAL SQUARE FEET..... 31.500

CERTIFICATION PACKAGE 12

11/20/98

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY

234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

20-Nov-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipment to Tomoka Farms LF, Daytona Beach, FL. This shipment left our CETCO - Fairmount, GA, plant on 11/19/98 .

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

Printed on recycled paper.

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 67566

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

Printed on recycled paper

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	TOMOKA FARMS LF
DATE:	NOVEMBER 19, 1998
ORDER#(S):	67566
PRODUCT:	BENTOMAT ST

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 20th day of Nov., 1998.

Judy Hall

Notary Public

OFFICIAL SEAL
JUDY HALL
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002

Printed on recycled paper.

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT Tomoka Farms LF

ORDER #: 67566

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

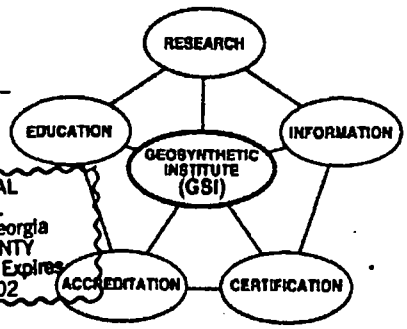
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willis
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 20th day of Nov. 1998.

Judy Hall
Notary Public

OFFICIAL SEAL
JUDY HALL
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002



STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE REPRINT PAGE 1

CARRIER NAME: NATIONWIDE / Riddle

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 11/20/98 SHIPPER'S NO: 00006756

SHIP DATE: 11/19/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT: Site# 904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

ORDER COMMENTS ORDER IS FOR 2,297,096 SF BENTOMAT ST AND 1,020 BAGS CG 50
ORDER COMMENTS RELEASE MATERIAL AS NEEDED, SHIP OVER NEXT FOUR MONTHS

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
2297250		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	42535
13 Rolls-150'			
		CG-50 SEAMING CLAY (10902/024) CLAY-BENTONITE-GROUND (CLASS 50) 3295232	2500
50 Bags			
(one pallet, load from side)			

GROSS: .00 TARE: .00 NET: 45035

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000067566
ORDER DATE: 9/22/97
SHIP DATE:. 11/19/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
TOMOKA FARMS LF

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199847030	00017829	150.0	15.0	2250.0	3274
030-BENTOMAT ST		SFT	SF 199847030	00017832	150.0	15.0	2250.0	3286
030-BENTOMAT ST		SFT	SF 199847030	00017837	150.0	15.0	2250.0	3268
030-BENTOMAT ST		SFT	SF 199847030	00017838	150.0	15.0	2250.0	3270
30-BENTOMAT ST		SFT	SF 199847030	00017839	150.0	15.0	2250.0	3294
030-BENTOMAT ST		SFT	SF 199847030	00017840	150.0	15.0	2250.0	3284
030-BENTOMAT ST		SFT	SF 19984703Q	00017843	150.0	15.0	2250.0	3266
030-BENTOMAT ST		SFT	SF 199847030	00017846	150.0	15.0	2250.0	3248
030-BENTOMAT ST		SFT	SF 199847030	00017847	150.0	15.0	2250.0	3272
030-BENTOMAT ST		SFT	SF 199847030	00017849	150.0	15.0	2250.0	3279
030-BENTOMAT ST		SFT	SF 199847030	00017865	150.0	15.0	2250.0	3251
030-BENTOMAT ST		SFT	SF 199847030	00017867	150.0	15.0	2250.0	3228
030-BENTOMAT ST		SFT	SF 199847030	00017868	150.0	15.0	2250.0	3315

ORDER TOTALS.....	29250.0	42535.
TOTAL ITEMS..... 13		

50 Bags

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

Printed on recycled paper.

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067566

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199847030	00017868	1.00	16.80	128.80	33.60
030-BENTOMAT ST	199847030	00017867	1.00	16.80	128.80	33.60
030-BENTOMAT ST	199847030	00017865	1.00	16.80	128.80	34.80
030-BENTOMAT ST	199847030	00017849	.98	16.00	98.50	34.60
030-BENTOMAT ST	199847030	00017847	.98	16.00	98.50	34.60
030-BENTOMAT ST	199847030	00017846	.98	16.00	98.50	34.60
030-BENTOMAT ST	199847030	00017843	.98	16.00	98.50	34.60
030-BENTOMAT ST	199847030	00017840	1.10	16.00	98.50	29.40
030-BENTOMAT ST	199847030	00017839	1.10	16.00	98.50	29.40
030-BENTOMAT ST	199847030	00017838	1.10	16.00	98.50	29.40
030-BENTOMAT ST	199847030	00017837	1.10	16.00	98.50	29.40
030-BENTOMAT ST	199847030	00017832	1.10	16.00	98.50	32.80
030-BENTOMAT ST	199847030	00017829	1.10	16.00	98.50	32.80

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000067566

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 160 lbs marv ASTM D 4632	GRAB ELONGATION 50% marv ASTM D 4632
030-NON-WOVEN	199847010	00002650	6.5	26.1	154.2
030-NON-WOVEN	199847010	00002651	6.5	26.1	154.2
030-NON-WOVEN	199847010	00002662	6.5	26.1	154.2
030-NON-WOVEN	199847010	00002668	6.5	26.1	154.2

TOTAL PAGES 1

SYNTHETIC INDUSTRIES

November 16, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180411
PO# O-DH1-23130

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D 5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

BOL:180411

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7519519	157 x 148	20 x 22	333	3.4
7523553	153 x 135	19 x 20	303	3.3
7523556	157 x 139	21 x 22	315	3.3
7523562	158 x 135	20 x 20	317	3.2
7523565	158 x 151	21 x 22	327	3.4
7524243	156 x 147	21 x 22	344	3.3
7524343	158 x 143	20 x 21	316	3.3
7524344	159 x 143	22 x 21	301	3.3
7524451	167 x 165	22 x 23	310	3.4
7524452	166 x 156	23 x 22	326	3.4
7524454	159 x 158	21 x 25	316	3.4
7524455	167 x 161	21 x 27	326	3.4
7524611	171 x 161	22 x 25	307	3.5
7525164	177 x 150	23 x 23	328	3.3
7528163	156 x 147	20 x 26	336	3.4
7528170	145 x 141	27 x 21	331	3.4
7528297	166 x 152	22 x 22	348	3.4
7528299	161 x 145	21 x 20	349	3.4
7531672	158 x 174	21 x 25	333	3.5
7533155	179 x 165	23 x 27	352	3.4
7533304	147 x 135	19 x 19	315	3.2
7533306	149 x 143	19 x 21	322	3.3

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 04-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **27-Oct-98**
in **BN 458702**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	10.4
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	13

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **J.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91967**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 04-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **29-Oct-98**
in **BN 447423**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	10
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	14

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **J.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91970**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 04-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **27-Oct-98**
in **BN 454295**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	10.8
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	13

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **J.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95930**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

Printed on recycled paper.

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000067566

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199847030									
00017829	030-BENTOMAT ST	150	2250	3274	7523553		199847010	00002668	454295
00017832	030-BENTOMAT ST	150	2250	3286	7528163		199847010	00002668	447423
00017837	030-BENTOMAT ST	150	2250	3268	7528163		199847010	00002668	447423
00017838	030-BENTOMAT ST	150	2250	3270	7528163		199847010	00002668	447423
00017839	030-BENTOMAT ST	150	2250	3294	7528163		199847010	00002662	447423
00017840	030-BENTOMAT ST	150	2250	3284	7528163		199847010	00002668	447423
00017843	030-BENTOMAT ST	150	2250	3266	7528163		199847010	00002668	447423
00017846	030-BENTOMAT ST	150	2250	3248	7528163		199847010	00002668	447423
00017847	030-BENTOMAT ST	150	2250	3272	7528163		199847010	00002668	447423
00017849	030-BENTOMAT ST	150	2250	3279	7528163		199847010	00002668	447423
00017865	030-BENTOMAT ST	150	2250	3251	7528163		199847010	00002650	458702
00017867	030-BENTOMAT ST	150	2250	3228	7528163		199847010	00002651	458702
00017868	030-BENTOMAT ST	150	2250	3315	7528163		199847010	00002651	458702

TOTAL SQUARE FEET..... 29.250

TOTAL PAGES 1

CERTIFICATION PACKAGE 13

12/01/98

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY

234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

1-Dec-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipment to Tomoka Farms LF, Daytona Beach, FL. This shipment left our CETCO - Fairmount, GA, plant on 11/30/98 .

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

Printed on recycled paper.

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

A Wholly Owned Subsidiary of AMCOL International
Printed on recycled paper

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 98199

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**NOVEMBER 30, 1998**
ORDER#(S):	**98199**
PRODUCT:	**BENTOMAT ST**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 14th **day of** Dec. **,19** 98.

Diane Hunsucker

Notary Public

OFFICIAL SEAL
DIANE B. HUNSUCKER
Notary Public, Georgia
CHATHAM COUNTY
My Commission Expires
Jan. 2, 2002

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT Tomoka Farms LF

ORDER #: 98199

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

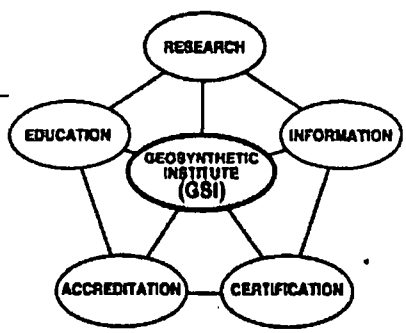
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willis
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 1th day of Dec. 1998.

Diane Hunsucker
Notary Public

OFFICIAL SEAL
DIANE B. HUNSUCKER
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 2, 2002



IND MD

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1 C

CARRIER NAME: Landstar

DELIVERING CARRIER:

CONSIGNED TO: NATIONWIDE
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

12/1/98 SHIPPER'S NO:
SHIP DATE: 000098199
DEL DATE: [redacted]
11/30/98

SHIPPER:
CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLD TO: [redacted] SHIPTO: 01

CONSIGNED PO.#:

CAR/VEHICLE#: PA74051

SHIPPING PLANT:
FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site#904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

ORDER COMMENTS CUSTOMER HAS ASKED FOR AN ADDITIONAL 450,000 SF ON THEIR
ORDER COMMENTS BLANKET ORDER

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
500		[redacted]	[redacted]
14 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	
		[redacted]	[redacted]

GROSS: .00 TARE: .00 NET: 46275

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

4:00

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECE[illegible] subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except [illegible] contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood [illegible] this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, [illegible] route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion [illegible] said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Jerry Eftmorg

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098199
ORDER DATE: 11/30/98
SHIP DATE:. 11/30/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199848030	00018179	150.0	15.0	2250.0	3315
030-BENTOMAT ST		SFT	SF 199848030	00018188	150.0	15.0	2250.0	3296
030-BENTOMAT ST		SFT	SF 199848030	00018202	150.0	15.0	2250.0	3359
030-BENTOMAT ST		SFT	SF 199848030	00018206	150.0	15.0	2250.0	3352
30-BENTOMAT ST		SFT	SF 199848030	00018209	150.0	15.0	2250.0	3336
030-BENTOMAT ST		SFT	SF 199848030	00018210	150.0	15.0	2250.0	3338
030-BENTOMAT ST		SFT	SF 199848030	00018217	150.0	15.0	2250.0	3195
030-BENTOMAT ST		SFT	SF 199848030	00018240	150.0	15.0	2250.0	3334
030-BENTOMAT ST		SFT	SF 199848030	00018241	150.0	15.0	2250.0	3330
030-BENTOMAT ST		SFT	SF 199848030	00018242	150.0	15.0	2250.0	3296
030-BENTOMAT ST		SFT	SF 199848030	00018243	150.0	15.0	2250.0	3241
030-BENTOMAT ST		SFT	SF 199848030	00018244	150.0	15.0	2250.0	3325
030-BENTOMAT ST		SFT	SF 199848030	00018289	150.0	15.0	2250.0	3259
030-BENTOMAT ST		SFT	SF 199848030	00018298	150.0	15.0	2250.0	3299
ORDER TOTALS.....							31500.0	46275.

TOTAL ITEMS..... 14

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098199

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199848030	00018298	1.04	15.20	112.50	21.20
030-BENTOMAT ST	199848030	00018289	1.00	15.20	112.50	27.60*
030-BENTOMAT ST	199848030	00018244	1.05	15.20	121.50	27.50
030-BENTOMAT ST	199848030	00018243	1.05	15.20	121.50	27.50
030-BENTOMAT ST	199848030	00018242	1.05	15.20	121.50	27.50
030-BENTOMAT ST	199848030	00018241	1.05*	15.20*	121.50*	27.50*
030-BENTOMAT ST	199848030	00018240	.99	13.20	111.60	31.40
030-BENTOMAT ST	199848030	00018217	1.07	15.20	112.50	17.90
030-BENTOMAT ST	199848030	00018210	1.07	15.20	112.50	24.00
030-BENTOMAT ST	199848030	00018209	1.07	15.20	112.50	24.00
030-BENTOMAT ST	199848030	00018206	1.07*	15.20	112.50	24.00*
030-BENTOMAT ST	199848030	00018202	1.04	15.20	112.50	24.60
030-BENTOMAT ST	199848030	00018188	1.05	15.20	112.50	28.21
030-BENTOMAT ST	199848030	00018179	1.05	15.20	112.50	28.20

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

SYNTHETIC INDUSTRIES
Geosynthetic Products Division

November 23, 1998

American Colloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180725
PO# O-DH1-23198

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D 5261	3.2 oz/yd²	105 g/m²
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:180725

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7523555	150 x 135	20 x 18	334	3.2
7524244	159 x 161	24 x 22	324	3.5
7528166	163 x 147	20 x 20	309	3.5
7528306	161 x 144	19 x 23	344	3.5
7533160	162 x 146	21 x 24	308	3.4
7541292	166 x 169	21 x 23	332	3.5
7542435	160 x 153	21 x 21	321	3.4
7543107	152 x 144	20 x 24	332	3.3
7543219	150 x 146	19 x 21	317	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-099-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

ISO 9002 CERTIFIED World Class Quality

November 16, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180411
PO# O-DH1-23130

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

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Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

ISO 9002 CERTIFIED
World Class Quality

BOL:180411

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7519519	157 x 148	20 x 22	333	3.4
7523553	153 x 135	19 x 20	303	3.3
7523556	157 x 139	21 x 22	315	3.3
7523562	158 x 135	20 x 20	317	3.2
7523565	158 x 151	21 x 22	327	3.4
7524243	156 x 147	21 x 22	344	3.3
7524343	158 x 143	20 x 21	316	3.3
7524344	159 x 143	22 x 21	301	3.3
7524451	167 x 165	22 x 23	310	3.4
7524452	166 x 156	23 x 22	326	3.4
7524454	159 x 158	21 x 25	316	3.4
7524455	167 x 161	21 x 27	326	3.4
7524611	171 x 161	22 x 25	307	3.5
7525164	177 x 150	23 x 23	328	3.3
7528163	156 x 147	20 x 26	336	3.4
7528170	145 x 141	27 x 21	331	3.4
7528297	166 x 152	22 x 22	348	3.4
7528299	161 x 145	21 x 20	349	3.4
7531672	158 x 174	21 x 25	333	3.5
7533155	179 x 165	23 x 27	352	3.4
7533304	147 x 135	19 x 19	315	3.2
7533306	149 x 143	19 x 21	322	3.3

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 19, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180649
PO# O-DH1-23194

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

ISO 9002 CERTIFIED World Class Quality

BOL:180649

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7519521	163 x 157	22 x 22	325	3.4
7524610	159 x 137	21 x 24	314	3.3
7528300	155 x 150	19 x 21	340	3.5
7528303	156 x 152	20 x 22	333	3.4
7528841	170 x 152	22 x 27	352	3.5
7531679	176 x 151	23 x 24	333	3.4
7531681	161 x 155	21 x 24	313	3.4
7532886	155 x 164	20 x 24	333	3.6
7532888	163 x 156	21 x 22	317	3.5
7533159	174 x 168	24 x 23	343	3.5
7533161	161 x 165	20 x 25	352	3.5
7543108	157 x 149	21 x 23	331	3.4
7543164	160 x 138	22 x 20	307	3.4
7543165	161 x 138	21 x 20	308	3.4
7543195	149 x 136	21 x 21	326	3.4
7543196	173 x 164	22 x 23	333	3.4
7543221	169 x 150	22 x 21	323	3.4
7543222	168 x 150	21 x 22	329	3.3
7544891	158 x 149	23 x 23	304	3.3
7544892	161 x 159	23 x 22	332	3.5
7545669	169 x 146	22 x 25	291	3.3
7545677	151 x 159	22 x 24	317	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 09-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **05-Nov-98**
in **BN 453447**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	7.6
FREE SWELL	ASTM D 5890	24 MIN.	30
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95934**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 09-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **04-Nov-98**
in **BN 447154**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	7.2
FREE SWELL	ASTM D 5890	24 MIN.	27
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **95933**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 09-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **02-Nov-98**
in **BN 455911**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	6.8
FREE SWELL	ASTM D 5890	24 MIN.	29
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C,**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **91974**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

Printed on recycled paper

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098199

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199848030									
00018179	030-BENTOMAT ST	150	2250	3315	7533160		199847010	00002674	447154
00018188	030-BENTOMAT ST	150	2250	3296	7533160		199847010	00002684	453447
00018202	030-BENTOMAT ST	150	2250	3359	7533160		199847010	00002682	453447
00018206	030-BENTOMAT ST	150	2250	3352	7533160		199847010	00002682	453447
00018209	030-BENTOMAT ST	150	2250	3336	7533160		199847010	00002682	453447
00018210	030-BENTOMAT ST	150	2250	3338	7533160		199846010	00002639	453447
00018217	030-BENTOMAT ST	150	2250	3195	7533160		199846010	00002639	453447
00018240	030-BENTOMAT ST	150	2250	3334	7533159		199848010	00002724	455911
00018241	030-BENTOMAT ST	150	2250	3330	7533159		199848010	00002724	455911
00018242	030-BENTOMAT ST	150	2250	3296	7533159		199848010	00002724	455911
00018243	030-BENTOMAT ST	150	2250	3241	7533159		199848010	00002724	455911
00018244	030-BENTOMAT ST	150	2250	3325	7533159		199848010	00002724	455911
00018289	030-BENTOMAT ST	150	2250	3259	7524243		199848010	00002725	455911
00018298	030-BENTOMAT ST	150	2250	3299	7524243		199848010	00002716	455911

TOTAL SQUARE FEET..... 31.500

TOTAL PAGES 1

CERTIFICATION PACKAGE 14

12/02/98

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY
234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

2-Dec-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipment to Tomoka Farms LF, Daytona Beach, FL. This shipment left our CETCO - Fairmount, GA, plant on 11/30/98 .

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

Printed on recycled paper.

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 98195

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

Printed on recycled paper

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 98195

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**DECEMBER 1, 1998**
ORDER#(S):	**98195**
PRODUCT:	**BENTOMAT ST**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 21st **day of** Dec. **,19** 98 **.**

Diane Hunsucker

Notary Public

OFFICIAL SEAL
DIANE M. HUNSUCKER
Notary Public, State of Illinois
My Commission Expires
Jan. 2, 2002

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT: Tomoka Farms LF

ORDER #: 98195

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

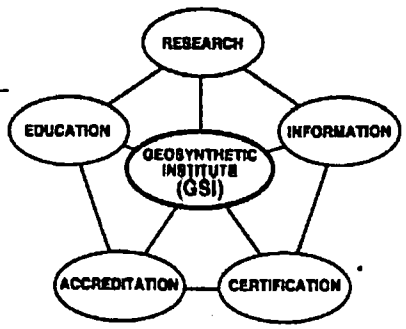
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willis
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 2nd day of Dec 19 98.

Diane Hunsucker
Notary Public

OFFICIAL SEAL
DIANE B. HUNSUCKER
Notary Public, Georgia
DeKalb County
My Commission Expires
Jan. 2, 2002



(W) 17C

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE 1 C

CARRIER NAME: TEI

CONSIGNED TO: NATIONWIDE
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DELIVERING CARRIER:

12/1/98 SHIPPER'S NO:

SHIP DATE: 000098195

DEL DATE: [redacted]

12/8/98

CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED PO.#:

CAR/VEHICLE#: PA74051

SHIPPING PLANT:
FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site#904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

ORDER COMMENTS CUSTOMER HAS ASKED FOR AN ADDITIONAL 450,000 SF ON THEIR
ORDER COMMENTS BLANKET ORDER

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
250 13 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	42565
60 Bags (load from side) 1 pallet		CG-50 SEAMING CLAY (10902/024) CLAY-BENTONITE-GROUND (CLASS 50) 3295232	3000

GROSS: .00 TARE: .00 NET: 45565

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

TK#708

MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except [illegible] and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood [illegible] contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, [illegible] otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion [illegible] destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: [signature]

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

PACKING LIST

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
\RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098195
ORDER DATE:. 11/30/98
SHIP DATE:. 12/01/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199847030	00017643	150.0	15.0	2250.0	3270
030-BENTOMAT ST		SFT	SF 199848030	00018176	150.0	15.0	2250.0	3301
030-BENTOMAT ST		SFT	SF 199848030	00018177	150.0	15.0	2250.0	3229
030-BENTOMAT ST		SFT	SF 199848030	00018180	150.0	15.0	2250.0	3285
30-BENTOMAT ST		SFT	SF 199848030	00018181	150.0	15.0	2250.0	3300
030-BENTOMAT ST		SFT	SF 199848030	00018184	150.0	15.0	2250.0	3292
030-BENTOMAT ST		SFT	SF 199848030	00018186	150.0	15.0	2250.0	3286
030-BENTOMAT ST		SFT	SF 199848030	00018191	150.0	15.0	2250.0	3272
030-BENTOMAT ST		SFT	SF 199848030	00018192	150.0	15.0	2250.0	3244
030-BENTOMAT ST		SFT	SF 199848030	00018195	150.0	15.0	2250.0	3235
030-BENTOMAT ST		SFT	SF 199848030	00018196	150.0	15.0	2250.0	3230
030-BENTOMAT ST		SFT	SF 199848030	00018204	150.0	15.0	2250.0	3322
030-BENTOMAT ST		SFT	SF 199848030	00018211	150.0	15.0	2250.0	3299

ORDER TOTALS.....	29250.0	42565.
TOTAL ITEMS..... 13		

60 Bags

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

Printed on recycled paper

COLLOID ENVIRONMENTAL TECH CO

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098195

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199848030	00018211	1.07	15.20	112.50	24.00
030-BENTOMAT ST	199848030	00018204	1.04	15.20	112.50	24.60
030-BENTOMAT ST	199848030	00018196	1.04	15.20	112.50	21.10
030-BENTOMAT ST	199848030	00018195	1.04	15.20	112.50	21.10
030-BENTOMAT ST	199848030	00018192	1.05	15.20	112.50	28.21
030-BENTOMAT ST	199848030	00018191	1.05	15.20	112.50	28.21
030-BENTOMAT ST	199848030	00018186	1.05	15.20	112.50	28.20
030-BENTOMAT ST	199848030	00018184	1.05	15.20	112.50	28.20
030-BENTOMAT ST	199848030	00018181	1.05	15.20	112.50	28.20
030-BENTOMAT ST	199848030	00018180	1.05	15.20	112.50	28.20
030-BENTOMAT ST	199848030	00018177	1.05*	15.20*	112.50*	28.20*
030-BENTOMAT ST	199848030	00018176	1.10	12.40	101.00	37.20
030-BENTOMAT ST	199847030	00017643	1.05*	14.40	106.00	27.50*

NOTE:
An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098195

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 160 lbs marv ASTM D 4632	GRAB ELONGATION 50% marv ASTM D 4632
030-NON-WOVEN	199846010	00002622	7.0	28.4	165.9
030-NON-WOVEN	199846010	00002639	6.3	45.1	159.7
030-NON-WOVEN	199847010	00002674	6.3	51.8	152.1
030-NON-WOVEN	199847010	00002682	6.3	51.8	152.1
030-NON-WOVEN	199847010	00002684	6.3	51.8	152.1

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 18, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180537
PO# O-DH1-23189

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

ISO 9001 CERTIFIED World Class Quality

LOT: 180537

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
291948	158 x 150	21 x 21	326	3.5
7523558	149 x 141	20 x 21	309	3.3
7523559	150 x 139	20 x 22	280	3.3
7523560	149 x 146	21 x 32	327	3.9
7524245	164 x 153	21 x 23	339	3.5
7524453	160 x 152	20 x 22	313	3.4
7524609	166 x 144	22 x 24	327	3.3
7528164	148 x 135	18 x 19	290	3.4
7528165	164 x 138	19 x 21	308	3.4
7528169	160 x 148	21 x 22	329	3.4
7528301	158 x 136	20 x 22	342	3.3
7528302	169 x 140	21 x 21	335	3.4
7531676	165 x 159	22 x 24	329	3.4
7531677	168 x 145	22 x 20	355	3.3
7532892	151 x 162	19 x 21	331	3.6
7533157	161 x 155	22 x 23	325	3.4
7533158	165 x 144	23 x 21	318	3.4
7533307	154 x 150	21 x 22	314	3.4
7540443	156 x 141	21 x 22	298	3.3
7540445	147 x 142	20 x 23	308	3.4
7540564	144 x 140	19 x 21	303	3.3
7541291	166 x 162	21 x 23	315	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 23, 1998

American Colloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180725
PO# O-DH1-23198

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D 5261	3.2 oz/yd²	105 g/m²
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:180725

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7523555	150 x 135	20 x 18	334	3.2
7524244	159 x 161	24 x 22	324	3.5
7528166	163 x 147	20 x 20	309	3.5
7528306	161 x 144	19 x 23	344	3.9
7533160	162 x 146	21 x 24	308	3.4
7541292	166 x 169	21 x 23	332	3.5
7542435	160 x 153	21 x 21	321	3.4
7543107	152 x 144	20 x 24	332	3.3
7543219	150 x 146	19 x 21	317	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22768 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 27-Oct-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **25-Oct-98**
in **BN 412408**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	28
FLUID LOSS	ASTM D 5891	18.0 MAX.	14

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **J.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95927**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 09-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **04-Nov-98**
in **BN 447154**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	7.2
FREE SWELL	ASTM D 5890	24 MIN.	27
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95933**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 09-Nov-98

TO: CETCO - CLAYMAX CORP.
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: CYNTHIA WILLIX

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **05-Nov-98**
in **BN 453447**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	7.6
FREE SWELL	ASTM D 5890	24 MIN.	30
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: C.C.

Approved By: MOSES BRISENO

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95934**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

Printed on recycled paper

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098195

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199847030									
00017643	030-BENTOMAT ST	150	2250	3270	7528165		199846010	00002622	412408
LOT# 199848030									
00018176	030-BENTOMAT ST	150	2250	3301	7523555		199847010	00002674	447154
00018177	030-BENTOMAT ST	150	2250	3229	7523555		199847010	00002674	447154
00018180	030-BENTOMAT ST	150	2250	3285	7533160		199847010	00002684	447154
00018181	030-BENTOMAT ST	150	2250	3300	7533160		199847010	00002684	447154
00018184	030-BENTOMAT ST	150	2250	3292	7533160		199847010	00002684	447154
00018186	030-BENTOMAT ST	150	2250	3286	7533160		199847010	00002684	447154
00018191	030-BENTOMAT ST	150	2250	3272	7533160		199847010	00002682	453447
00018192	030-BENTOMAT ST	150	2250	3244	7533160		199847010	00002682	453447
00018195	030-BENTOMAT ST	150	2250	3235	7533160		199847010	00002682	453447
00018196	030-BENTOMAT ST	150	2250	3230	7533160		199847010	00002682	453447
00018204	030-BENTOMAT ST	150	2250	3322	7533160		199847010	00002682	453447
00018211	030-BENTOMAT ST	150	2250	3299	7533160		199846010	00002639	453447

TOTAL SQUARE FEET..... 29,250

CERTIFICATION PACKAGE 15

12/04/98

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPAI
234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

4-Dec-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipments to Tomoka Farms LF, Daytona Beach, FL. These shipments left our CETCO - Fairmount, GA, plant on 12/3/98 .

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

Printed on recycled paper

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 98200-98204

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**DECEMBER 3, 1998**
ORDER#(S):	**98200-98204**
PRODUCT:	**BENTOMAT ST**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 4 **day of** Dec. **,19** 98 **.**

Judy Hall

Notary Public

OFFICIAL SEAL
JUDY HALL
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002

Printed on recycled paper

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT: Tomoka Farms LF

ORDER #: 98200-98204

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

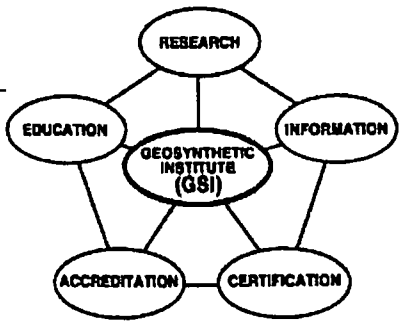
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willis
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 4 day of Dec, 1998

Judy Hall
Notary Public

OFFICIAL SEAL
JUDY HALL
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002



STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE

CARRIER NAME: Interstar

DELIVERING CARRIER:

CONSIGNED TO: NATIONWIDE
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

SHIPPER'S NO:
SHIP DATE: 12/4/98
DEL DATE: 12/3
SHIPPER:
CETCO
1350 W SHURE DR,
ARLINGTON HGTS IL 60004

CONSIGNED PO.#:
SOLDTO: 607 SHIPTO: 01
CAR/VEHICLE#: PA74051

SHIPPING PLANT:
FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site # 904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

ORDER COMMENTS CUSTOMER HAS ASKED FOR AN ADDITIONAL 450,000 SF ON THEIR
ORDER COMMENTS BLANKET ORDER

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500		BENTOMAT ST	[redacted]
14 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT-WOVEN, KNITTED NOR STITCHED	
		[redacted]	[redacted]

GROSS: .00 TARE: .00 NET: 4608

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

2:55

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098200
ORDER DATE: 11/30/98
SHIP DATE:. 12/03/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199849030	00018386	150.0	15.0	2250.0	3260
030-BENTOMAT ST		SFT	SF 199849030	00018387	150.0	15.0	2250.0	3309
030-BENTOMAT ST		SFT	SF 199849030	00018388	150.0	15.0	2250.0	3330
030-BENTOMAT ST		SFT	SF 199849030	00018428	150.0	15.0	2250.0	3298
030-BENTOMAT ST		SFT	SF 199849030	00018429	150.0	15.0	2250.0	3230
030-BENTOMAT ST		SFT	SF 199849030	00018437	150.0	15.0	2250.0	3299
030-BENTOMAT ST		SFT	SF 199849030	00018718	150.0	15.0	2250.0	3269
030-BENTOMAT ST		SFT	SF 199849030	00018720	150.0	15.0	2250.0	3214
030-BENTOMAT ST		SFT	SF 199849030	00018754	150.0	15.0	2250.0	3299
030-BENTOMAT ST		SFT	SF 199849030	00018762	150.0	15.0	2250.0	3336
030-BENTOMAT ST		SFT	SF 199849030	00018763	150.0	15.0	2250.0	3302
030-BENTOMAT ST		SFT	SF 199849030	00018764	150.0	15.0	2250.0	3325
030-BENTOMAT ST		SFT	SF 199849030	00018766	150.0	15.0	2250.0	3316
030-BENTOMAT ST		SFT	SF 199849030	00018768	150.0	15.0	2250.0	3300
ORDER TOTALS.....							31500.0	46087.

TOTAL ITEMS..... 14

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE

CARRIER NAME: Glendale

CONSIGNED TO: NATIONWIDE
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DELIVERING CARRIER:

SHIPPER: 12/4/98 SHIPPER'S NO:
DEL DATE: SHIP DATE: 000098
CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED PO.#:

CAR/VEHICLE#: PA74051

SHIPPING PLANT:
FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site #904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

ORDER COMMENTS CUSTOMER HAS ASKED FOR AN ADDITIONAL 450,000 SF ON THEIR
ORDER COMMENTS BLANKET ORDER

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500 [redacted] 14 Rolls-150		BENTOMAT ST [redacted] CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED [redacted]	[redacted] 46810 [redacted]

GROSS: .00 TARE: .00 NET:

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

10:00

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per

PLACARDS REQUIRED ☐ YES ☐ NO—FURNISHED BY CARRIER

PLACARDS SUPPLIED DRIVERS SIGNATURE:

PACKING LIST

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098201
ORDER DATE: 11/30/98
SHIP DATE:. 12/03/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199849030	00018385	150.0	15.0	2250.0	3319
030-BENTOMAT ST		SFT	SF 199849030	00018399	150.0	15.0	2250.0	3452
030-BENTOMAT ST		SFT	SF 199849030	00018400	150.0	15.0	2250.0	3453
030-BENTOMAT ST		SFT	SF 199849030	00018401	150.0	15.0	2250.0	3377
030-BENTOMAT ST		SFT	SF 199849030	00018403	150.0	15.0	2250.0	3411
030-BENTOMAT ST		SFT	SF 199849030	00018404	150.0	15.0	2250.0	3405
030-BENTOMAT ST		SFT	SF 199849030	00018422	150.0	15.0	2250.0	3387
030-BENTOMAT ST		SFT	SF 199849030	00018430	150.0	15.0	2250.0	3229
030-BENTOMAT ST		SFT	SF 199849030	00018431	150.0	15.0	2250.0	3270
030-BENTOMAT ST		SFT	SF 199849030	00018438	150.0	15.0	2250.0	3354
030-BENTOMAT ST		SFT	SF 199849030	00018439	150.0	15.0	2250.0	3296
030-BENTOMAT ST		SFT	SF 199849030	00018446	150.0	15.0	2250.0	3344
030-BENTOMAT ST		SFT	SF 199849030	00018452	150.0	15.0	2250.0	3283
030-BENTOMAT ST		SFT	SF 199849030	00018722	150.0	15.0	2250.0	3239
							========	=======
ORDER TOTALS.....							31500.0	46819.

TOTAL ITEMS..... 14

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE

CARRIER NAME: Holmdstar

CONSIGNED TO: NATIONWIDE
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DELIVERING CARRIER:

SHIPPER'S NO: 12/4/98
SHIP DATE: 000098
SHIPPER DEL DATE: [redacted]
CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

1231

CONSIGNED PO.#:
CAR/VEHICLE#: PA74051
SOLDTO: [redacted]
SHIPTO: 01

SHIPPING PLANT:
FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site#904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

ORDER COMMENTS CUSTOMER HAS ASKED FOR AN ADDITIONAL 450,000 SF ON THEIR
ORDER COMMENTS BLANKET ORDER

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500			
[redacted]		BENTOMAT ST	[redacted]
14 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT-WOVEN, KNITTED NOR STITCHED	
[redacted]		[redacted]	[redacted]

GROSS: .00 TARE: .00 NET: 46431

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Jerry Entsminger

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER
DRIVERS SIGNATURE:

PACKING LIST

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098202
ORDER DATE: 11/30/98
SHIP DATE:. 12/03/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199847030	00018019	150.0	15.0	2250.0	3301
030-BENTOMAT ST		SFT	SF 199847030	00018020	150.0	15.0	2250.0	3302
030-BENTOMAT ST		SFT	SF 199847030	00018027	150.0	15.0	2250.0	3312
030-BENTOMAT ST		SFT	SF 199847030	00018028	150.0	15.0	2250.0	3279
030-BENTOMAT ST		SFT	SF 199847030	00018031	150.0	15.0	2250.0	3301
030-BENTOMAT ST		SFT	SF 199847030	00018032	150.0	15.0	2250.0	3419
030-BENTOMAT ST		SFT	SF 199847030	00018033	150.0	15.0	2250.0	3341
030-BENTOMAT ST		SFT	SF 199847030	00018034	150.0	15.0	2250.0	3333
030-BENTOMAT ST		SFT	SF 199847030	00018035	150.0	15.0	2250.0	3336
030-BENTOMAT ST		SFT	SF 199847030	00018036	150.0	15.0	2250.0	3340
030-BENTOMAT ST		SFT	SF 199847030	00018037	150.0	15.0	2250.0	3351
030-BENTOMAT ST		SFT	SF 199847030	00018038	150.0	15.0	2250.0	3304
030-BENTOMAT ST		SFT	SF 199848030	00018161	150.0	15.0	2250.0	3263
030-BENTOMAT ST		SFT	SF 199848030	00018167	150.0	15.0	2250.0	3249
ORDER TOTALS.....							31500.0	46431.

TOTAL ITEMS..... 14

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE

CARRIER NAME: Landstar

CONSIGNED TO: NATIONWIDE
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DELIVERING CARRIER:

SHIPPER'S NO: 12/4/98
SHIP DATE: 000098

SHIPPER:
DEL DATE: [redacted] 12/3
CETCO
1350 W SHURE DR,
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED PO.#:

CAR/VEHICLE#: PA74051

SHIPPING PLANT:
FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site #904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

ORDER COMMENTS CUSTOMER HAS ASKED FOR AN ADDITIONAL 450,000 SF ON THEIR
ORDER COMMENTS BLANKET ORDER

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
29,250			
13 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	42437 [redacted]
[redacted]		CG-60 SEAMING CLAY (10902/024) CLAY-BENTONITE-GROUND (CLASS 60) 3295232	3000 [redacted]
60 Bags			
(one pallet, load from side)			

GROSS: .00 TARE: .00 NET: 4543 [redacted]

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

3:40

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Poole

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER
DRIVERS SIGNATURE:

PACKING LIST

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098203
ORDER DATE: 11/30/98
SHIP DATE:. 12/03/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199847030	00017965	150.0	15.0	2250.0	3271
030-BENTOMAT ST		SFT	SF 199847030	00017970	150.0	15.0	2250.0	3216
030-BENTOMAT ST		SFT	SF 199847030	00017971	150.0	15.0	2250.0	3266
030-BENTOMAT ST		SFT	SF 199847030	00017972	150.0	15.0	2250.0	3214
030-BENTOMAT ST		SFT	SF 199847030	00017973	150.0	15.0	2250.0	3208
030-BENTOMAT ST		SFT	SF 199847030	00018018	150.0	15.0	2250.0	3300
030-BENTOMAT ST		SFT	SF 199847030	00018021	150.0	15.0	2250.0	3349
030-BENTOMAT ST		SFT	SF 199847030	00018022	150.0	15.0	2250.0	3349
030-BENTOMAT ST		SFT	SF 199848030	00018162	150.0	15.0	2250.0	3244
030-BENTOMAT ST		SFT	SF 199848030	00018163	150.0	15.0	2250.0	3269
030-BENTOMAT ST		SFT	SF 199848030	00018165	150.0	15.0	2250.0	3269
030-BENTOMAT ST		SFT	SF 199848030	00018166	150.0	15.0	2250.0	3242
030-BENTOMAT ST		SFT	SF 199848030	00018168	150.0	15.0	2250.0	3240

ORDER TOTALS.....	29250.0	42437.
TOTAL ITEMS..... 13		

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE

CARRIER NAME: 1 ProAm

CONSIGNED TO: NATIONWIDE
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DELIVERING CARRIER:

12/4/98 SHIPPER'S NO:

SHIP DATE: 000098

SHIPPER:
CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

12/3/

CONSIGNED PO.#:

SOLDTO: 607 SHIPTO: 01

CAR/VEHICLE#: PA74051

SHIPPING PLANT:
FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site # 904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

ORDER COMMENTS CUSTOMER HAS ASKED FOR AN ADDITIONAL 450,000 SF ON THEIR
ORDER COMMENTS BLANKET ORDER

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
3,500		BENTOMAT ST	46244
14 Rolls - 150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	

GROSS: .00 TARE: .00 NET: 46244

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Decato Bros
BY Christian

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098204
ORDER DATE: 11/30/98
SHIP DATE:. 12/03/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199847030	00017998	150.0	15.0	2250.0	3288
030-BENTOMAT ST		SFT	SF 199847030	00018010	150.0	15.0	2250.0	3280
030-BENTOMAT ST		SFT	SF 199847030	00018012	150.0	15.0	2250.0	3274
030-BENTOMAT ST		SFT	SF 199847030	00018013	150.0	15.0	2250.0	3320
030-BENTOMAT ST		SFT	SF 199847030	00018014	150.0	15.0	2250.0	3271
030-BENTOMAT ST		SFT	SF 199847030	00018015	150.0	15.0	2250.0	3274
030-BENTOMAT ST		SFT	SF 199847030	00018016	150.0	15.0	2250.0	3270
030-BENTOMAT ST		SFT	SF 199847030	00018017	150.0	15.0	2250.0	3301
030-BENTOMAT ST		SFT	SF 199847030	00018024	150.0	15.0	2250.0	3367
030-BENTOMAT ST		SFT	SF 199847030	00018029	150.0	15.0	2250.0	3316
030-BENTOMAT ST		SFT	SF 199847030	00018030	150.0	15.0	2250.0	3335
030-BENTOMAT ST		SFT	SF 199847030	00018039	150.0	15.0	2250.0	3307
030-BENTOMAT ST		SFT	SF 199847030	00018041	150.0	15.0	2250.0	3341
030-BENTOMAT ST		SFT	SF 199847030	00018095	150.0	15.0	2250.0	3300
ORDER TOTALS.....							31500.0	46244.

TOTAL ITEMS..... 14

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

A Wholly Owned Subsidiary of AMCOL International

Printed on recycled paper

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098200

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199849030	00018768	1.05	13.60	91.40	20.70
030-BENTOMAT ST	199849030	00018766	1.05	13.60	91.40	20.70
030-BENTOMAT ST	199849030	00018764	1.05	13.60	91.40	20.70
030-BENTOMAT ST	199849030	00018763	1.05	13.60	91.40	20.70
030-BENTOMAT ST	199849030	00018762	1.05	13.60	91.40	20.70
030-BENTOMAT ST	199849030	00018754	1.05	13.60	91.40	27.20
030-BENTOMAT ST	199849030	00018720	1.07	16.00	120.00	29.20
030-BENTOMAT ST	199849030	00018718	1.07*	16.00	120.00	29.20*
030-BENTOMAT ST	199849030	00018437	1.08	16.00	118.50	31.40
030-BENTOMAT ST	199849030	00018429	1.08	12.00	90.00	37.80
030-BENTOMAT ST	199849030	00018428	1.08	12.00	90.00	37.80
030-BENTOMAT ST	199849030	00018388	1.00	14.40	97.50	22.80
030-BENTOMAT ST	199849030	00018387	1.00	14.40	97.50	22.80
030-BENTOMAT ST	199849030	00018386	1.00	14.40	97.50	22.80

NOTE:
An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098201

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199849030	00018722	1.07	16.00	120.00	29.20
030-BENTOMAT ST	199849030	00018452	1.09	16.00	118.50	31.10
030-BENTOMAT ST	199849030	00018446	1.09*	16.00	118.50	31.10*
030-BENTOMAT ST	199849030	00018439	1.08	16.00	118.50	29.80
030-BENTOMAT ST	199849030	00018438	1.08	16.00	118.50	29.80*
030-BENTOMAT ST	199849030	00018431	1.08	16.00	118.50	31.40
030-BENTOMAT ST	199849030	00018430	1.08	16.00*	118.50*	31.40*
030-BENTOMAT ST	199849030	00018422	1.08*	12.00*	90.00*	37.80*
030-BENTOMAT ST	199849030	00018404	1.02	12.80	109.60	40.70
030-BENTOMAT ST	199849030	00018403	1.02	12.80	109.60	40.70
030-BENTOMAT ST	199849030	00018401	1.02	12.80	109.60	40.70
030-BENTOMAT ST	199849030	00018400	1.02	12.80	109.60	40.70
030-BENTOMAT ST	199849030	00018399	1.02	12.80	109.60	40.70
030-BENTOMAT ST	199849030	00018385	1.00	14.40	97.50	22.80

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098202

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199848030	00018167	1.10	12.40	101.00	37.20
030-BENTOMAT ST	199848030	00018161	1.02	12.40	101.00	32.50
030-BENTOMAT ST	199847030	00018038	1.08	18.80	144.40	35.70
030-BENTOMAT ST	199847030	00018037	1.08	18.80	144.40	35.70
030-BENTOMAT ST	199847030	00018036	1.08	18.80	144.40	35.70
030-BENTOMAT ST	199847030	00018035	1.08	18.80	144.40	35.70
030-BENTOMAT ST	199847030	00018034	1.08	18.80	144.40	35.70
030-BENTOMAT ST	199847030	00018033	1.08	18.80	144.40	35.70
030-BENTOMAT ST	199847030	00018032	1.08*	18.80	144.40	35.70*
030-BENTOMAT ST	199847030	00018031	1.07	18.80	144.40	30.00
030-BENTOMAT ST	199847030	00018028	1.07	18.80	144.40	30.00
030-BENTOMAT ST	199847030	00018027	1.07	18.80	144.40	30.00
030-BENTOMAT ST	199847030	00018020	1.01	18.80	144.40	29.80
030-BENTOMAT ST	199847030	00018019	1.01	18.80	144.40	29.80

NOTE:
An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098203

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199848030	00018168	1.10	12.40	101.00	37.20
030-BENTOMAT ST	199848030	00018166	1.10	12.40	101.00	37.20
030-BENTOMAT ST	199848030	00018165	1.10	12.40	101.00	37.20
030-BENTOMAT ST	199848030	00018163	1.10	12.40	101.00	37.20
030-BENTOMAT ST	199848030	00018162	1.10*	12.40	101.00	37.20*
030-BENTOMAT ST	199847030	00018022	1.01	18.80	144.40	31.60
030-BENTOMAT ST	199847030	00018021	1.01	18.80	144.40	31.60*
030-BENTOMAT ST	199847030	00018018	1.01	18.80	144.40	29.80
030-BENTOMAT ST	199847030	00017973	1.06	13.60	99.50	32.90
030-BENTOMAT ST	199847030	00017972	1.06	13.60	99.50	32.90
030-BENTOMAT ST	199847030	00017971	1.06	13.60	99.50	32.90
030-BENTOMAT ST	199847030	00017970	1.06	13.60	99.50	32.90
030-BENTOMAT ST	199847030	00017965	1.06*	13.60	99.50	32.90*

NOTE:
An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098204

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199847030	00018095	1.04	13.60	95.00	23.50
030-BENTOMAT ST	199847030	00018041	1.09	13.60	93.50	24.40
030-BENTOMAT ST	199847030	00018039	1.08	18.80	144.40	35.70
030-BENTOMAT ST	199847030	00018030	1.07	18.80	144.40	30.00
030-BENTOMAT ST	199847030	00018029	1.07	18.80	144.40	30.00
030-BENTOMAT ST	199847030	00018024	1.07*	18.80	144.40	30.00*
030-BENTOMAT ST	199847030	00018017	1.01	18.80	144.40	29.80
030-BENTOMAT ST	199847030	00018016	1.01	18.80	144.40	29.80
030-BENTOMAT ST	199847030	00018015	1.01	18.80	144.40	29.80
030-BENTOMAT ST	199847030	00018014	1.01	18.80	144.40	29.80
030-BENTOMAT ST	199847030	00018013	1.01*	18.80	144.40	29.80*
030-BENTOMAT ST	199847030	00018012	1.04	18.80	144.40	24.50
030-BENTOMAT ST	199847030	00018010	1.04	18.80	144.40	24.50
030-BENTOMAT ST	199847030	00017998	1.04	18.80	144.40	31.10

NOTE:
An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT.GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098200

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199846010	00002636	6.3	43.1	161.0
030-NON-WOVEN	199848010	00002727	6.3	51.8	152.1
030-NON-WOVEN	199848010	00002730	6.3	51.8	152.1
030-NON-WOVEN	199848010	00002752	6.3	51.8	152.1
030-NON-WOVEN	199849010	00002781	6.3	51.8	152.1
030-NON-WOVEN	199849010	00002786	6.3	51.8	152.1

TOTAL PAGES 1

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COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098201

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199846010	00002636	6.3	43.1	161.0
030-NON-WOVEN	199848010	00002727	6.3	51.8	152.1
030-NON-WOVEN	199848010	00002736	6.3	51.8	152.1
030-NON-WOVEN	199848010	00002752	6.3	51.8	152.1
030-NON-WOVEN	199849010	00002757	6.3	51.8	152.1
030-NON-WOVEN	199849010	00002786	6.3	51.8	152.1

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098203

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199846010	00002621	7.0	28.4	165.9
030-NON-WOVEN	199846010	00002634	6.3	43.1	161.0
030-NON-WOVEN	199846010	00002637	6.3	43.1	161.0
030-NON-WOVEN	199847010	00002663	6.3	51.8	152.1
030-NON-WOVEN	199847010	00002671	6.3	51.8	152.1
030-NON-WOVEN	199847010	00002687	6.3	51.8	152.1

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT.GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098204

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199846010	00002625	7.0	28.4	165.9
030-NON-WOVEN	199846010	00002627	7.0	28.4	165.9
030-NON-WOVEN	199846010	00002632	6.9	14.8	138.0
030-NON-WOVEN	199846010	00002637	6.3	43.1	161.0
030-NON-WOVEN	199847010	00002665	6.3	51.8	152.1
030-NON-WOVEN	199847010	00002671	6.3	51.8	152.1

TOTAL PAGES 1

SYNTHETIC INDUSTRIES

November 16, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180411
PO# O-DH1-23130

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707

SYNTHETIC INDUSTRIES

BOL:180411

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7519519	157 x 148	20 x 22	333	3.4
7523553	153 x 135	19 x 20	303	3.3
7523556	157 x 139	21 x 22	315	3.3
7523562	158 x 135	20 x 20	317	3.2
7523565	158 x 151	21 x 22	327	3.4
7524243	156 x 147	21 x 22	344	3.3
7524343	158 x 143	20 x 21	316	3.3
7524344	159 x 143	22 x 21	301	3.3
7524451	167 x 165	22 x 23	310	3.4
7524452	166 x 156	23 x 22	326	3.4
7524454	159 x 158	21 x 25	316	3.4
7524455	167 x 161	21 x 27	326	3.4
7524611	171 x 161	22 x 25	307	3.5
7525164	177 x 150	23 x 23	328	3.3
7528163	156 x 147	20 x 26	336	3.4
7528170	145 x 141	27 x 21	331	3.4
7528297	166 x 152	22 x 22	348	3.4
7528299	161 x 145	21 x 20	349	3.4
7531672	158 x 174	21 x 25	333	3.5
7533155	179 x 165	23 x 27	352	3.4
7533304	147 x 135	19 x 19	315	3.2
7533306	149 x 143	19 x 21	322	3.3

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6952

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 18, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180537
PO# O-DH1-23189

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 19, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180649
PO# O-DH1-23194

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:180649

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7519521	163 x 157	22 x 22	325	3.4
7524610	159 x 137	21 x 24	314	3.3
7528300	155 x 150	19 x 21	340	3.5
7528303	156 x 152	20 x 22	333	3.4
7528841	170 x 152	22 x 27	352	3.5
7531679	176 x 151	23 x 24	333	3.4
7531681	161 x 155	21 x 24	313	3.4
7532886	155 x 164	20 x 24	333	3.6
7532888	163 x 156	21 x 22	317	3.5
7533159	174 x 168	24 x 23	343	3.5
7533161	161 x 165	20 x 25	352	3.5
7543108	157 x 149	21 x 23	331	3.4
7543164	160 x 138	22 x 20	307	3.4
7543165	161 x 138	21 x 20	308	3.4
7543195	149 x 136	21 x 21	326	3.4
7543196	173 x 164	22 x 23	333	3.4
7543221	169 x 150	22 x 21	323	3.4
7543222	168 x 150	21 x 22	329	3.3
7544891	158 x 149	23 x 23	304	3.3
7544892	161 x 159	23 x 22	332	3.5
7545669	169 x 146	22 x 25	291	3.3
7545677	151 x 159	22 x 24	317	3.4

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 23, 1998

American Colloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180725
PO# O-DH1-23198

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D 5261	3.2 oz/yd²	105 g/m²
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:180725

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7523555	150 x 135	20 x 18	334	3.2
7524244	159 x 161	24 x 22	324	3.5
7528166	163 x 147	20 x 20	309	3.5
7528306	161 x 144	19 x 23	344	3.5
7533160	162 x 146	21 x 24	308	3.4
7541292	166 x 169	21 x 23	332	3.5
7542435	160 x 153	21 x 21	321	3.4
7543107	152 x 144	20 x 24	332	3.3
7543219	150 x 146	19 x 21	317	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22768 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

December 2, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #181011
PO# O-DH1-23398/99

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

BOL:181011

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7543102	161 x 144	21 x 20	295	3.4
7543104	159 x 140	21 x 21	318	3.3
7543225	149 x 136	19 x 21	318	3.4
7543226	160 x 142	22 x 20	319	3.5
7544896	163 x 147	23 x 21	301	3.4
7545674	151 x 145	22 x 23	312	3.4
7545680	164 x 152	22 x 22	316	3.4
7547965	162 x 147	21 x 22	325	3.4
7547966	155 x 150	21 x 22	319	3.4
7547967	162 x 142	24 x 21	325	3.4
7550558	145 x 148	23 x 22	313	3.4
7550564	148 x 142	21 x 22	319	3.5
7550565	147 x 137	22 x 22	304	3.4
7552529	149 x 145	19 x 22	304	3.4
7552531	155 x 145	23 x 24	322	3.4
7552765	143 x 149	22 x 21	300	3.5
7554708	155 x 137	21 x 22	322	3.3
7554914	157 x 148	22 x 21	304	3.4
7555186	153 x 154	22 x 22	295	3.6
7555187	157 x 170	23 x 22	341	3.6
7555188	160 x 160	23 x 21	307	3.6
7555189	155 x 159	21 x 22	329	3.5

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 24-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **28-Oct-98**
in **ATSF 312243**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	8
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **91969**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 11-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **09-Nov-98**
in **BN 449588**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	8.8
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95939**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 04-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **01-Nov-98**
in **BNSF 423325**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	29
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91971**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 09-Nov-98

TO: CETCO - CLAYMAX CORP.
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: CYNTHIA WILLIX

Dear Sirs:

A shipment of CG 50
left our Lovell, WY plant on 04-Nov-98
in BN 447154
as requested on your order no. VERBAL

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	7.2
FREE SWELL	ASTM D 5890	24 MIN.	27
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: C.L.

Approved By: MOSES BRISENO

CETCO

In any correspondence regarding this shipment, please refer to our Order Number 95933

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 04-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **01-Nov-98**
in **BN 454802**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	29
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **D.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91972**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 16-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **11-Nov-98**
in **BN 453521**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	8
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **95942**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 09-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **05-Nov-98**
in **BN 447373**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	4.8
FREE SWELL	ASTM D 5890	24 MIN.	30
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **95935**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 18-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **12-Nov-98**
in **BNSF 420683**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95946**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 09-Nov-98

TO: CETCO - CLAYMAX CORP.
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: CYNTHIA WILLIX

Dear Sirs:

A shipment of CG 50
left our Lovell, WY plant on 03-Nov-98
in BN 446107
as requested on your order no. VERBAL

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	6.4
FREE SWELL	ASTM D 5890	24 MIN.	27
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: C.L.

Approved By: MOSES BRISENO

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number 95932

CETCO

GEOSYNTHETIC CLAY LINER
MQA TRACKING FORMS

A Wholly Owned Subsidiary of AMCOL International

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098200

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199849030									
00018386	030-BENTOMAT ST	150	2250	3260	7528841		199846010	00002636	446107
00018387	030-BENTOMAT ST	150	2250	3309	7528841		199846010	00002636	446107
00018388	030-BENTOMAT ST	150	2250	3330	7528841		199846010	00002636	446107
00018428	030-BENTOMAT ST	150	2250	3298	7525164		199848010	00002727	453521
00018429	030-BENTOMAT ST	150	2250	3230	7525164		199848010	00002727	453521
00018437	030-BENTOMAT ST	150	2250	3299	7525164		199848010	00002752	453521
00018718	030-BENTOMAT ST	150	2250	3269	7555188		199849010	00002786	420683
00018720	030-BENTOMAT ST	150	2250	3214	7555188		199849010	00002786	420683
00018754	030-BENTOMAT ST	150	2250	3299	7543226		199849010	00002781	449588
00018762	030-BENTOMAT ST	150	2250	3336	7543226		199848010	00002730	449588
00018763	030-BENTOMAT ST	150	2250	3302	7543226		199848010	00002730	449588
00018764	030-BENTOMAT ST	150	2250	3325	7531672		199848010	00002730	449588
00018766	030-BENTOMAT ST	150	2250	3316	7531672		199848010	00002730	449588
00018768	030-BENTOMAT ST	150	2250	3300	7531672		199848010	00002730	449588

TOTAL SQUARE FEET..... 31.500

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098202

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199847030									
00018019	030-BENTOMAT ST	150	2250	3301	7531679		199846010	00002637	454802
00018020	030-BENTOMAT ST	150	2250	3302	7531679		199847010	00002663	454802
00018027	030-BENTOMAT ST	150	2250	3312	7531679		199847010	00002671	454802
00018028	030-BENTOMAT ST	150	2250	3279	7531679		199846010	00002625	454802
00018031	030-BENTOMAT ST	150	2250	3301	7543195		199846010	00002625	454802
00018032	030-BENTOMAT ST	150	2250	3419	7543195		199846010	00002625	454802
00018033	030-BENTOMAT ST	150	2250	3341	7543195		199846010	00002625	454802
00018034	030-BENTOMAT ST	150	2250	3333	7543195		199846010	00002625	454802
00018035	030-BENTOMAT ST	150	2250	3336	7543195		199846010	00002625	454802
00018036	030-BENTOMAT ST	150	2250	3340	7543195		199846010	00002627	454802
00018037	030-BENTOMAT ST	150	2250	3351	7543195		199846010	00002627	454802
00018038	030-BENTOMAT ST	150	2250	3304	7543195		199846010	00002627	454802
LOT# 199848030									
00018161	030-BENTOMAT ST	150	2250	3263	7523555		199846010	00002633	447154
00018167	030-BENTOMAT ST	150	2250	3249	7523555		199847010	00002687	447154

TOTAL SQUARE FEET..... 31.500

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098203

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199847030									
00017965	030-BENTOMAT ST	150	2250	3271	7528303		199846010	00002621	312243
00017970	030-BENTOMAT ST	150	2250	3216	7528303		199846010	00002621	312243
00017971	030-BENTOMAT ST	150	2250	3266	7528303		199846010	00002621	312243
00017972	030-BENTOMAT ST	150	2250	3214	7528303		199846010	00002634	312243
00017973	030-BENTOMAT ST	150	2250	3208	7528303		199846010	00002634	312243
00018018	030-BENTOMAT ST	150	2250	3300	7531679		199846010	00002637	454802
00018021	030-BENTOMAT ST	150	2250	3349	7531679		199847010	00002663	454802
00018022	030-BENTOMAT ST	150	2250	3349	7531679		199847010	00002671	454802
LOT# 199848030									
00018162	030-BENTOMAT ST	150	2250	3244	7523555		199847010	00002687	447154
00018163	030-BENTOMAT ST	150	2250	3269	7523555		199847010	00002687	447154
00018165	030-BENTOMAT ST	150	2250	3269	7523555		199847010	00002687	447154
00018166	030-BENTOMAT ST	150	2250	3242	7523555		199847010	00002687	447154
00018168	030-BENTOMAT ST	150	2250	3240	7523555		199847010	00002687	447154

TOTAL SQUARE FEET..... 29.250

TOTAL PAGES 1

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098204

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199847030									
00017998	030-BENTOMAT ST	150	2250	3288	7543222		199846010	00002632	423325
00018010	030-BENTOMAT ST	150	2250	3280	7543222		199846010	00002637	423325
00018012	030-BENTOMAT ST	150	2250	3274	7543222		199846010	00002637	423325
00018013	030-BENTOMAT ST	150	2250	3320	7543222		199846010	00002637	423325
00018014	030-BENTOMAT ST	150	2250	3271	7543222		199846010	00002637	454802
00018015	030-BENTOMAT ST	150	2250	3274	7543222		199846010	00002637	454802
00018016	030-BENTOMAT ST	150	2250	3270	7543222		199846010	00002637	454802
00018017	030-BENTOMAT ST	150	2250	3301	7543222		199846010	00002637	454802
00018024	030-BENTOMAT ST	150	2250	3367	7531679		199847010	00002671	454802
00018029	030-BENTOMAT ST	150	2250	3316	7531679		199846010	00002625	454802
00018030	030-BENTOMAT ST	150	2250	3335	7531679		199846010	00002625	454802
00018039	030-BENTOMAT ST	150	2250	3307	7543195		199846010	00002627	454802
00018041	030-BENTOMAT ST	150	2250	3341	7543195		199846010	00002627	454802
00018095	030-BENTOMAT ST	150	2250	3300	7531681		199847010	00002665	447373

TOTAL SQUARE FEET..... 31.500

TOTAL PAGES 1

CERTIFICATION PACKAGE 16

12/08/98

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY

234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

8-Dec-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipments to Tomoka Farms LF, Daytona Beach, FL. These shipments left our CETCO - Fairmount, GA, plant on 12/4/98.

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

Printed on recycled paper.

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

Printed on recycled paper

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 98205-98206

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

Printed on recycled paper

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**DECEMBER 4, 1998**
ORDER#(S):	**98205-98206**
PRODUCT:	**BENTOMAT ST**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 8 **day of** Dec. **,19** 98 **.**

Diane Hunsucker

Notary Public

OFFICIAL SEAL
DIANE B. HUNSUCKER
Notary Public, Georgia
CHATHAM COUNTY
My Commission Expires
Jan. 2, 2002

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT: Tomoka Farms LF

ORDER #: 98205-98206

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

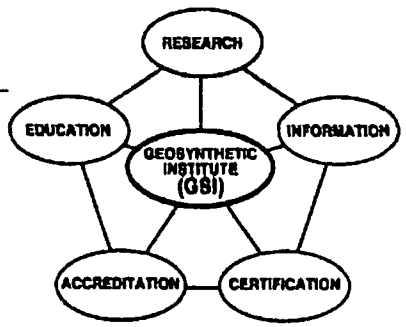
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willix
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 8 day of Dec. 19 98

Diane Hunsucker
Notary Public

OFFICIAL SEAL
DIANE B. HUNSUCKER
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 2, 2002



STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1

CARRIER NAME: TEI

DELIVERING CARRIER:

CONSIGNED TO: NATIONWIDE
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

SHIPPER:
CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SHIPPER'S NO: 12/7/98
SHIP DATE: 000098205
DEL DATE: 12/4/98

SOLDTO: 607 SHIPTO: 01
CONSIGNED PO.#:
CAR/VEHICLE#: PA74051

SHIPPING PLANT:
FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site #904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

ORDER COMMENTS CUSTOMER HAS ASKED FOR AN ADDITIONAL 450,000 SF ON THEIR
ORDER COMMENTS BLANKET ORDER

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
14 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	

GROSS: .00 TARE: .00 NET: 46153

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

10:10

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS
RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except [illegible] contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Thomas A. Fletcher

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
Per _____

PLACARDS REQUIRED ☐ YES ☐ NO—FURNISHED BY CARRIER

PLACARDS SUPPLIED DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098205
ORDER DATE:. 11/30/98
SHIP DATE:. 12/04/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199849030	00018392	150.0	15.0	2250.0	3309
030-BENTOMAT ST		SFT	SF 199849030	00018405	150.0	15.0	2250.0	3446
030-BENTOMAT ST		SFT	SF 199849030	00018427	150.0	15.0	2250.0	3290
030-BENTOMAT ST		SFT	SF 199849030	00018721	150.0	15.0	2250.0	3268
0-BENTOMAT ST		SFT	SF 199849030	00018726	150.0	15.0	2250.0	3203
030-BENTOMAT ST		SFT	SF 199849030	00018727	150.0	15.0	2250.0	3185
030-BENTOMAT ST		SFT	SF 199849030	00018729	150.0	15.0	2250.0	3222
030-BENTOMAT ST		SFT	SF 199849030	00018744	150.0	15.0	2250.0	3353
030-BENTOMAT ST		SFT	SF 199849030	00018750	150.0	15.0	2250.0	3283
030-BENTOMAT ST		SFT	SF 199849030	00018757	150.0	15.0	2250.0	3315
030-BENTOMAT ST		SFT	SF 199849030	00018758	150.0	15.0	2250.0	3299
030-BENTOMAT ST		SFT	SF 199849030	00018771	150.0	15.0	2250.0	3316
030-BENTOMAT ST		SFT	SF 199849030	00018772	150.0	15.0	2250.0	3396
030-BENTOMAT ST		SFT	SF 199849030	00018800	150.0	15.0	2250.0	3268
ORDER TOTALS.....							31500.0	46153.

TOTAL ITEMS..... 14

10710

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

Roundtree

PAGE C 1

CARRIER NAME:

CONSIGNED TO: NATIONWIDE
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DELIVERING CARRIER:

SHIPPER'S NO:
SHIP DATE: 12/7/98
SHIPPER: DEL DATE: 12/4/98
CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED PO.#:
CAR/VEHICLE#: PA74051

SHIPPING PLANT:

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site#904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS *MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY* MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

ORDER COMMENTS CUSTOMER HAS ASKED FOR AN ADDITIONAL 450,000 SF ON THEIR
ORDER COMMENTS BLANKET ORDER

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
14 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	46502

GROSS: .00 TARE: .00 NET: 46502

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood his contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, s, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER
DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098206
ORDER DATE: 11/30/98
SHIP DATE:. 12/04/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199849030	00018408	150.0	15.0	2250.0	3365
030-BENTOMAT ST		SFT	SF 199849030	00018712	150.0	15.0	2250.0	3267
030-BENTOMAT ST		SFT	SF 199849030	00018714	150.0	15.0	2250.0	3169
030-BENTOMAT ST		SFT	SF 199849030	00018715	150.0	15.0	2250.0	3263
0-BENTOMAT ST		SFT	SF 199849030	00018730	150.0	15.0	2250.0	3273
030-BENTOMAT ST		SFT	SF 199849030	00018731	150.0	15.0	2250.0	3270
030-BENTOMAT ST		SFT	SF 199849030	00018788	150.0	15.0	2250.0	3345
030-BENTOMAT ST		SFT	SF 199849030	00018819	150.0	15.0	2250.0	3336
030-BENTOMAT ST		SFT	SF 199849030	00018820	150.0	15.0	2250.0	3446
030-BENTOMAT ST		SFT	SF 199849030	00018821	150.0	15.0	2250.0	3356
030-BENTOMAT ST		SFT	SF 199849030	00018822	150.0	15.0	2250.0	3350
030-BENTOMAT ST		SFT	SF 199849030	00018823	150.0	15.0	2250.0	3353
030-BENTOMAT ST		SFT	SF 199849030	00018824	150.0	15.0	2250.0	3350
030-BENTOMAT ST		SFT	SF 199849030	00018825	150.0	15.0	2250.0	3359
ORDER TOTALS.....							31500.0	46502.

TOTAL ITEMS..... 14

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

Printed on recycled paper

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098205

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199849030	00018800	1.07	13.60	91.40	26.60
030-BENTOMAT ST	199849030	00018772	1.05	13.60	91.40	23.00
030-BENTOMAT ST	199849030	00018771	1.05	13.60	91.40	23.00
030-BENTOMAT ST	199849030	00018758	1.05	13.60	91.40	27.20
030-BENTOMAT ST	199849030	00018757	1.05	13.60	91.40	27.20
030-BENTOMAT ST	199849030	00018750	1.05	13.60	91.40	47.00
030-BENTOMAT ST	199849030	00018744	1.05*	13.60	91.40	47.00*
030-BENTOMAT ST	199849030	00018729	1.07	13.60	91.40	32.20
030-BENTOMAT ST	199849030	00018727	1.07	16.00	120.00	29.20
030-BENTOMAT ST	199849030	00018726	1.07	16.00	120.00	29.20
030-BENTOMAT ST	199849030	00018721	1.07	16.00	120.00	29.20
030-BENTOMAT ST	199849030	00018427	1.08	12.00	90.00	37.80
030-BENTOMAT ST	199849030	00018405	1.02	12.80	109.60	40.70
030-BENTOMAT ST	199849030	00018392	1.02	12.80	109.60	20.30

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098206

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199849030	00018825	1.12	16.80	119.00	16.80
030-BENTOMAT ST	199849030	00018824	1.12	16.80	119.00	16.80
030-BENTOMAT ST	199849030	00018823	1.12	16.80	119.00	16.80
030-BENTOMAT ST	199849030	00018822	1.12	16.80	119.00	16.80
030-BENTOMAT ST	199849030	00018821	1.12	16.80	119.00	16.80
030-BENTOMAT ST	199849030	00018820	1.12*	16.80	119.00	16.80*
030-BENTOMAT ST	199849030	00018819	1.02	16.80	119.00	30.30
030-BENTOMAT ST	199849030	00018788	1.08	13.60	91.40	17.10
030-BENTOMAT ST	199849030	00018731	1.07	13.60	91.40	32.20
030-BENTOMAT ST	199849030	00018730	1.07	13.60	91.40	32.20
030-BENTOMAT ST	199849030	00018715	1.06	16.00	120.00	30.50
030-BENTOMAT ST	199849030	00018714	1.06	16.00	120.00	30.50
030-BENTOMAT ST	199849030	00018712	1.06	16.00	120.00	30.50
030-BENTOMAT ST	199849030	00018408	1.06	15.20	100.40	41.30

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098205

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199847010	00002652	6.7	32.6	161.2
030-NON-WOVEN	199848010	00002727	6.5	29.2	157.1
030-NON-WOVEN	199848010	00002785	6.5	30.6	158.9
030-NON-WOVEN	199849010	00002757	6.8	25.1	157.7
030-NON-WOVEN	199849010	00002777	6.7	18.5	137.7
030-NON-WOVEN	199849010	00002781	6.7	18.5	137.7
030-NON-WOVEN	199849010	00002782	6.7	18.5	137.7
030-NON-WOVEN	199849010	00002784	6.5	15.9	127.6
030-NON-WOVEN	199849010	00002786	6.5	15.9	127.6

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098206

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199849010	00002757	6.8	25.1	157.7
030-NON-WOVEN	199849010	00002777	6.7	18.5	137.7
030-NON-WOVEN	199849010	00002779	6.7	18.5	137.7
030-NON-WOVEN	199849010	00002786	6.5	15.9	127.6
030-NON-WOVEN	199849010	00002790	6.5	15.8	132.9
030-NON-WOVEN	199849010	00002795	6.8	17.2	145.0

TOTAL PAGES 1

SYNTHETIC INDUSTRIES

ISO 9002 CERTIFIED World Class Q

November 16, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180411
PO# O-DH1-23130

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X.15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 19, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180649
PO# O-DH1-23194

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

ISO 9002 CERTIFIED World Class Quality

BOL:180649

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7519521	163 x 157	22 x 22	325	3.4
7524610	159 x 137	21 x 24	314	3.3
7528300	155 x 150	19 x 21	340	3.5
7528303	156 x 152	20 x 22	333	3.4
7528841	170 x 152	22 x 27	352	3.5
7531679	176 x 151	23 x 24	333	3.4
7531681	161 x 155	21 x 24	313	3.4
7532886	155 x 164	20 x 24	333	3.6
7532888	163 x 156	21 x 22	317	3.5
7533159	174 x 168	24 x 23	343	3.5
7533161	161 x 165	20 x 25	352	3.5
7543108	157 x 149	21 x 23	331	3.4
7543164	160 x 138	22 x 20	307	3.4
7543165	161 x 138	21 x 20	308	3.4
7543195	149 x 136	21 x 21	326	3.4
7543196	173 x 164	22 x 23	333	3.4
7543221	169 x 150	22 x 21	323	3.4
7543222	168 x 150	21 x 22	329	3.3
7544891	158 x 149	23 x 23	304	3.3
7544892	161 x 159	23 x 22	332	3.5
7545669	169 x 146	22 x 25	291	3.3
7545677	151 x 159	22 x 24	317	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 19, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180649
PO# O-DH1-23194

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:180649

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7519521	163 x 157	22 x 22	325	3.4
7524610	159 x 137	21 x 24	314	3.3
7528300	155 x 150	19 x 21	340	3.5
7528303	156 x 152	20 x 22	333	3.4
7528841	170 x 152	22 x 27	352	3.5
7531679	176 x 151	23 x 24	333	3.4
7531681	161 x 155	21 x 24	313	3.4
7532886	155 x 164	20 x 24	333	3.6
7532888	163 x 156	21 x 22	317	3.5
7533159	174 x 168	24 x 23	343	3.5
7533161	161 x 165	20 x 25	352	3.5
7543108	157 x 149	21 x 23	331	3.4
7543164	160 x 138	22 x 20	307	3.4
7543165	161 x 138	21 x 20	308	3.4
7543195	149 x 136	21 x 21	326	3.4
7543196	173 x 164	22 x 23	333	3.4
7543221	169 x 150	22 x 21	323	3.4
7543222	168 x 150	21 x 22	329	3.3
7544891	158 x 149	23 x 23	304	3.3
7544892	161 x 159	23 x 22	332	3.5
7545669	169 x 146	22 x 25	291	3.3
7545677	151 x 159	22 x 24	317	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423.899.0444 • Fax • 423.899.7619 • 1.800.621.0444

SYNTHETIC INDUSTRIES

December 2, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #181011
PO# O-DH1-23398/99

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

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Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

JL:181011

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7543102	161 x 144	21 x 20	295	3.4
7543104	159 x 140	21 x 21	318	3.3
7543225	149 x 136	19 x 21	318	3.4
7543226	160 x 142	22 x 23	319	3.5
7544896	163 x 147	23 x 21	301	3.4
7545674	151 x 145	22 x 23	312	3.4
7545680	164 x 152	22 x 22	316	3.4
7547965	162 x 147	21 x 22	325	3.4
7547966	155 x 150	21 x 22	319	3.4
7547967	162 x 142	24 x 21	325	3.4
7550558	145 x 148	23 x 22	313	3.4
7550564	148 x 142	21 x 22	319	3.5
7550565	147 x 137	22 x 22	304	3.4
7552529	149 x 145	19 x 22	304	3.4
7552531	155 x 145	23 x 24	322	3.4
7552765	143 x 149	22 x 21	300	3.5
7554708	155 x 137	21 x 22	322	3.3
7554914	157 x 148	22 x 21	304	3.4
7555186	153 x 154	22 x 22	295	3.6
7555187	157 x 170	23 x 22	341	3.6
7555188	160 x 160	23 x 21	307	3.6
7555189	155 x 159	21 x 22	329	3.5

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 09-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **03-Nov-98**
in **BN 446107**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0%	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	6.4
FREE SWELL	ASTM D 5890	24 MIN.	27
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95932**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 18-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **13-Nov-98**
in **BN 454872**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	6.4
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95947**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 16-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **10-Nov-98**
in **BN 453423**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95941**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 18-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **12-Nov-98**
in **BNSF 420683**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95946**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 16-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **11-Nov-98**
in **BN 453521**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	8
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95942**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 11-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **09-Nov-98**
in **BN 449588**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	8.8
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95939**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

Printed on recycled paper

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098205

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199849030									
00018392	030-BENTOMAT ST	150	2250	3309	7528841		199847010	00002652	446107
00018405	030-BENTOMAT ST	150	2250	3446	7544892		199849010	00002757	446107
00018427	030-BENTOMAT ST	150	2250	3290	7525164		199848010	00002727	453521
00018721	030-BENTOMAT ST	150	2250	3268	7555188		199849010	00002786	420683
00018726	030-BENTOMAT ST	150	2250	3203	7545680		199849010	00002786	454872
00018727	030-BENTOMAT ST	150	2250	3185	7545680		199849010	00002786	449588
00018729	030-BENTOMAT ST	150	2250	3222	7545680		199849010	00002777	449588
00018744	030-BENTOMAT ST	150	2250	3353	7547966		199849010	00002782	449588
00018750	030-BENTOMAT ST	150	2250	3283	7543226		199848010	00002785	449588
00018757	030-BENTOMAT ST	150	2250	3315	7543226		199849010	00002781	449588
00018758	030-BENTOMAT ST	150	2250	3299	7543226		199849010	00002781	449588
00018771	030-BENTOMAT ST	150	2250	3316	7531672		B802117A		449588
00018772	030-BENTOMAT ST	150	2250	3396	7531672		B802117A		449588
00018800	030-BENTOMAT ST	150	2250	3268	7555189		199849010	00002784	453423

TOTAL SQUARE FEET..... 31.500

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098206

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199849030									
00018408	030-BENTOMAT ST	150	2250	3365	7544892		199849010	00002757	446107
00018712	030-BENTOMAT ST	150	2250	3267	7555188		199849010	00002779	420683
00018714	030-BENTOMAT ST	150	2250	3169	7555188		199849010	00002779	420683
00018715	030-BENTOMAT ST	150	2250	3263	7555188		199849010	00002786	420683
00018730	030-BENTOMAT ST	150	2250	3273	7547966		199849010	00002777	449588
00018731	030-BENTOMAT ST	150	2250	3270	7547966		199849010	00002777	449588
00018788	030-BENTOMAT ST	150	2250	3345	7555189		199849010	00002795	449588
00018819	030-BENTOMAT ST	150	2250	3336	7547967		199849010	00002790	453423
00018820	030-BENTOMAT ST	150	2250	3446	7547967		199849010	00002790	453423
00018821	030-BENTOMAT ST	150	2250	3356	7554708		199849010	00002790	453423
00018822	030-BENTOMAT ST	150	2250	3350	7554708		199849010	00002790	453423
00018823	030-BENTOMAT ST	150	2250	3353	7554708		199849010	00002790	453423
00018824	030-BENTOMAT ST	150	2250	3350	7554708		199849010	00002790	453423
00018825	030-BENTOMAT ST	150	2250	3359	7554708		199849010	00002790	453423

TOTAL SQUARE FEET..... 31.500

TOTAL PAGES 1

CERTIFICATION PACKAGE 17

12/09/98

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY

234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

9-Dec-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipments to Tomoka Farms LF, Daytona Beach, FL. These shipments left our CETCO - Fairmount, GA, plant on 12/8/98.

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

Printed on recycled paper.

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

Printed on recycled paper

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 98207-98212

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

Printed on recycled paper

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**DECEMBER 8, 1998**
ORDER#(S):	**98207-98212**
PRODUCT:	**BENTOMAT ST**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 9 **day of** Dec. **,19** 98.

Diane Hunsucker

Notary Public

DIANE [illegible]
Notary Public
GORDON County
My Commission Expires
Jan. 2, 2002

Printed on recycled paper

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT: Tomoka Farms LF

ORDER #: 98207-98212

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willis
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 9 day of Dec. 19 98

Diane Ubinger
Notary Public

OFFICIAL SEAL
DIANE U. UBINGER
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 2, 2002

1NO HB

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE 1

CARRIER NAME: Landstar

DELIVERING CARRIER:

CONSIGNED TO: NATIONWIDE
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

SHIPPER'S NO:

SHIP DATE: 12/9/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

DEL DATE: 12/8/98

CONSIGNED PO.#: SOLUTION

SHIPTO: 01

SHIPPING PLANT:
FAIRMOUNT, GA
P.O. BOX 88
FAIRMOUNT GA 30139

CAR/VEHICLE#: PA74051

ROUTING/CONTRACT:

Site #904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

ORDER COMMENTS CUSTOMER HAS ASKED FOR AN ADDITIONAL 450,000 SF ON THEIR
ORDER COMMENTS BLANKET ORDER

29250

HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
	BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	43601
	CG-50 SEAMING CLAY (10902/024) CLAY-BENTONITE-GROUND (CLASS 50) 3295232	3000

3 Rolls-150'

60 Bags

(one pallet, load from side)

GROSS: .00 TARE: .00 NET: 46601

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

12:40

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Sylvester Howard

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

PACKING LIST

COLLOID ENVIRONMENTAL TECH CO
350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098207
ORDER DATE: 11/30/98
SHIP DATE:. 12/08/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199847030	00018009	150.0	15.0	2250.0	3272
030-BENTOMAT ST		SFT	SF 199847030	00018011	150.0	15.0	2250.0	3305
030-BENTOMAT ST		SFT	SF 199849030	00018791	150.0	15.0	2250.0	3360
030-BENTOMAT ST		SFT	SF 199849030	00018792	150.0	15.0	2250.0	3295
)-BENTOMAT ST		SFT	SF 199849030	00018804	150.0	15.0	2250.0	3336
030-BENTOMAT ST		SFT	SF 199849030	00018805	150.0	15.0	2250.0	3328
030-BENTOMAT ST		SFT	SF 199849030	00018810	150.0	15.0	2250.0	3427
030-BENTOMAT ST		SFT	SF 199849030	00018812	150.0	15.0	2250.0	3470
030-BENTOMAT ST		SFT	SF 199849030	00018813	150.0	15.0	2250.0	3380
030-BENTOMAT ST		SFT	SF 199849030	00018814	150.0	15.0	2250.0	3360
030-BENTOMAT ST		SFT	SF 199849030	00018816	150.0	15.0	2250.0	3339
030-BENTOMAT ST		SFT	SF 199849030	00018817	150.0	15.0	2250.0	3368
030-BENTOMAT ST		SFT	SF 199849030	00018818	150.0	15.0	2250.0	3361
ORDER TOTALS.....							29250.0	43601.
TOTAL ITEMS.....			13					

60 Bags

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

CARRIER NAME: Landstar

DELIVERING CARRIER:

CONSIGNED TO: NATIONWIDE
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

SHIPPER'S NO:
SHIP DATE: 12/9/98
000098208
SHIPPER
DEL DATE: [redacted] 12/8/98
CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

CONSIGNED PO.#:
SOLDTO: 607 SHIPTO: 01
CAR/VEHICLE#: PA74051

SHIPPING PLANT:
FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site#904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

ORDER COMMENTS CUSTOMER HAS ASKED FOR AN ADDITIONAL 450,000 SF ON THEIR
ORDER COMMENTS BLANKET ORDER

QUANTITY	KM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
21500			
[redacted]		BENTOMAT ST	[redacted]
14 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	
[redacted]		[redacted]	[redacted]

GROSS: .00 TARE: .00 NET: 46631

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

2:35

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except [illegible]ntents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood [illegible]is contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, [illegible], otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion [illegible] said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Jerry Entsminger

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098208
ORDER DATE: 11/30/98
SHIP DATE:. 12/08/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199847030	00017963	150.0	15.0	2250.0	3226
030-BENTOMAT ST		SFT	SF 199847030	00017964	150.0	15.0	2250.0	3200
030-BENTOMAT ST		SFT	SF 199847030	00018139	150.0	15.0	2250.0	3320
030-BENTOMAT ST		SFT	SF 199849030	00018776	150.0	15.0	2250.0	3312
0-BENTOMAT ST		SFT	SF 199849030	00018777	150.0	15.0	2250.0	3290
030-BENTOMAT ST		SFT	SF 199849030	00018779	150.0	15.0	2250.0	3298
030-BENTOMAT ST		SFT	SF 199849030	00018780	150.0	15.0	2250.0	3291
030-BENTOMAT ST		SFT	SF 199849030	00018787	150.0	15.0	2250.0	3360
030-BENTOMAT ST		SFT	SF 199849030	00018789	150.0	15.0	2250.0	3350
030-BENTOMAT ST		SFT	SF 199849030	00018790	150.0	15.0	2250.0	3334
030-BENTOMAT ST		SFT	SF 199849030	00018793	150.0	15.0	2250.0	3390
030-BENTOMAT ST		SFT	SF 199849030	00018794	150.0	15.0	2250.0	3403
030-BENTOMAT ST		SFT	SF 199849030	00018795	150.0	15.0	2250.0	3450
030-BENTOMAT ST		SFT	SF 199849030	00018796	150.0	15.0	2250.0	3407
							========	=======
ORDER TOTALS.....							31500.0	46631.

TOTAL ITEMS..... 14

STRAIGHT BILL OF LADING—ORIGINAL—~~NOT~~ NEGOTIABLE PAGE 1

CARRIER NAME: Landstar

CONSIGNED TO: NATIONWIDE
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DELIVERING CARRIER:

SHIPPER'S NO:

SHIP DATE: 12/9/98

SHIPPER: 000098209

DEL DATE: [redacted] 12/8/98

CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

CONSIGNED PO.#: SOLUTOL 507 SHIPTO: 01

CAR/VEHICLE#: PA74051

SHIPPING PLANT:
FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site #904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

ORDER COMMENTS CUSTOMER HAS ASKED FOR AN ADDITIONAL 450,000 SF ON THEIR
ORDER COMMENTS BLANKET ORDER

QUANTITY	KM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
3 [redacted] 500		BENTOMAT ST	[redacted]
14 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	
[redacted]		[redacted]	[redacted]

GROSS: .00 TARE: .00 NET: 46675 [redacted]

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

2:55

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except ~~as noted~~ contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED

☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

PACKING LIST

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098209
ORDER DATE: 11/30/98
SHIP DATE:. 12/08/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199847030	00018023	150.0	15.0	2250.0	3337
030-BENTOMAT ST		SFT	SF 199847030	00018025	150.0	15.0	2250.0	3324
030-BENTOMAT ST		SFT	SF 199847030	00018026	150.0	15.0	2250.0	3319
030-BENTOMAT ST		SFT	SF 199849030	00018778	150.0	15.0	2250.0	3335
0-BENTOMAT ST		SFT	SF 199849030	00018784	150.0	15.0	2250.0	3338
030-BENTOMAT ST		SFT	SF 199849030	00018785	150.0	15.0	2250.0	3304
030-BENTOMAT ST		SFT	SF 199849030	00018786	150.0	15.0	2250.0	3365
030-BENTOMAT ST		SFT	SF 199849030	00018797	150.0	15.0	2250.0	3416
030-BENTOMAT ST		SFT	SF 199849030	00018798	150.0	15.0	2250.0	3392
030-BENTOMAT ST		SFT	SF 199849030	00018799	150.0	15.0	2250.0	3423
030-BENTOMAT ST		SFT	SF 199849030	00018802	150.0	15.0	2250.0	3325
030-BENTOMAT ST		SFT	SF 199849030	00018803	150.0	15.0	2250.0	3101
030-BENTOMAT ST		SFT	SF 199849030	00018815	150.0	15.0	2250.0	3343
030-BENTOMAT ST		SFT	SF 199849030	00018826	150.0	15.0	2250.0	3353
							========	=======
ORDER TOTALS.....							31500.0	46675.

TOTAL ITEMS..... 14

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1

CARRIER NAME: TEI

CONSIGNED TO: NATIONWIDE
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DELIVERING CARRIER:

SHIPPER'S NO:

SHIP DATE: 12/9/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

DEL DATE: 12/8/98

CONSIGNED PO.#:

SOLDTO: 007 SHIPTO: 01

SHIPPING PLANT:
FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

CAR/VEHICLE#: PA74051

ROUTING/CONTRACT:

Site #904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

ORDER COMMENTS CUSTOMER HAS ASKED FOR AN ADDITIONAL 450,000 SF ON THEIR
ORDER COMMENTS BLANKET ORDER

29250

QTY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
13 Rolls-150		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	[redacted]

[redacted]

GROSS: .00 TARE: .00 NET: 43370

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. COLLOID ENVIRONMENTAL TEC (Signature of Consignor)	If charges are to be prepaid, write or stamp here, "Prepaid." PREPAID Shipper liable for line haul charges only. COD charges to be paid by: Consignee

6:30

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED ☐ YES ☐ NO—FURNISHED BY CARRIER

PLACARDS SUPPLIED

DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098210
ORDER DATE:. 11/30/98
SHIP DATE:.. 12/08/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199847030	00017981	150.0	15.0	2250.0	3380
030-BENTOMAT ST		SFT	SF 199847030	00017982	150.0	15.0	2250.0	3310
030-BENTOMAT ST		SFT	SF 199847030	00017986	150.0	15.0	2250.0	3447
030-BENTOMAT ST		SFT	SF 199847030	00017988	150.0	15.0	2250.0	3273
0-BENTOMAT ST		SFT	SF 199847030	00017989	150.0	15.0	2250.0	3296
030-BENTOMAT ST		SFT	SF 199847030	00017990	150.0	15.0	2250.0	3285
030-BENTOMAT ST		SFT	SF 199847030	00017997	150.0	15.0	2250.0	3288
030-BENTOMAT ST		SFT	SF 199847030	00018003	150.0	15.0	2250.0	3237
030-BENTOMAT ST		SFT	SF 199849030	00018806	150.0	15.0	2250.0	3314
030-BENTOMAT ST		SFT	SF 199849030	00018807	150.0	15.0	2250.0	3348
030-BENTOMAT ST		SFT	SF 199849030	00018808	150.0	15.0	2250.0	3336
030-BENTOMAT ST		SFT	SF 199849030	00018809	150.0	15.0	2250.0	3429
030-BENTOMAT ST		SFT	SF 199849030	00018811	150.0	15.0	2250.0	3427
ORDER TOTALS.....							29250.0	43370.

TOTAL ITEMS..... 13

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE 1

CARRIER NAME: Riddle

DELIVERING CARRIER:

CONSIGNED TO: NATIONWIDE
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

SHIPPER'S NO:

SHIP DATE: 12/9/98

DEL DATE: 12/8/98

SHIPPER:
CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

CONSIGNED PO.#:

SOLDTO: 607 SHIPTO: 01

SHIPPING PLANT:
FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

CAR/VEHICLE#: PA74051

ROUTING/CONTRACT:

Site#904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

ORDER COMMENTS CUSTOMER HAS ASKED FOR AN ADDITIONAL 450,000 SF ON THEIR
ORDER COMMENTS BLANKET ORDER

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
1500		BENTOMAT ST	[redacted]
14 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	
[redacted]		[redacted]	[redacted]

GROSS: .00 TARE: .00 NET: 45491

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED ☐ YES ☐ NO—FURNISHED BY CARRIER

PLACARDS SUPPLIED DRIVERS SIGNATURE:

ORIGINAL

PACKING LIST

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098211
ORDER DATE: 11/30/98
SHIP DATE:. 12/08/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199847030	00017936	150.0	15.0	2250.0	3271
030-BENTOMAT ST		SFT	SF 199847030	00017937	150.0	15.0	2250.0	3270
030-BENTOMAT ST		SFT	SF 199847030	00017938	150.0	15.0	2250.0	3212
030-BENTOMAT ST		SFT	SF 199847030	00017939	150.0	15.0	2250.0	3233
030-BENTOMAT ST		SFT	SF 199847030	00017940	150.0	15.0	2250.0	3227
030-BENTOMAT ST		SFT	SF 199847030	00017941	150.0	15.0	2250.0	3287
030-BENTOMAT ST		SFT	SF 199847030	00017944	150.0	15.0	2250.0	3236
030-BENTOMAT ST		SFT	SF 199847030	00017945	150.0	15.0	2250.0	3236
030-BENTOMAT ST		SFT	SF 199847030	00017946	150.0	15.0	2250.0	3239
030-BENTOMAT ST		SFT	SF 199847030	00017947	150.0	15.0	2250.0	3218
030-BENTOMAT ST		SFT	SF 199847030	00017948	150.0	15.0	2250.0	3227
030-BENTOMAT ST		SFT	SF 199847030	00017950	150.0	15.0	2250.0	3226
030-BENTOMAT ST		SFT	SF 199847030	00017953	150.0	15.0	2250.0	3220
030-BENTOMAT ST		SFT	SF 199848030	00018154	150.0	15.0	2250.0	3389
							========	=======
ORDER TOTALS.....							31500.0	45491.

TOTAL ITEMS..... 14

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 0

1

CARRIER NAME: TEI

CONSIGNED TO: NATIONWIDE
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DELIVERING CARRIER:

SHIPPER'S NO: 669277
SHIP DATE: 000098212
12/9/98

SHIPPER:
CETCO
1350 W SHURE DR,
ARLINGTON HGTS IL 60004

DEL DATE: 12/8/98

CONSIGNED PO.#:
SOLDTO: 607 SHIPTO: 01
CAR/VEHICLE#: PA74051

SHIPPING PLANT:
FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site#904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS *MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY* MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

ORDER COMMENTS CUSTOMER HAS ASKED FOR AN ADDITIONAL 450,000 SF ON THEIR
ORDER COMMENTS BLANKET ORDER

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
42250			42451
13 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	
		CG-50 SEAMING CLAY (10902/024)	3000
60 Bags		CLAY-BENTONITE-GROUND (CLASS 60) 3295232	
(one pallet, load from side)			

GROSS: .00 TARE: .00 NET: 45451

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID
Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098212
ORDER DATE: 11/30/98
SHIP DATE:..12/08/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199847030	00017956	150.0	15.0	2250.0	3269
030-BENTOMAT ST		SFT	SF 199847030	00017958	150.0	15.0	2250.0	3256
030-BENTOMAT ST		SFT	SF 199847030	00017961	150.0	15.0	2250.0	3258
030-BENTOMAT ST		SFT	SF 199847030	00017967	150.0	15.0	2250.0	3211
30-BENTOMAT ST		SFT	SF 199847030	00017968	150.0	15.0	2250.0	3220
030-BENTOMAT ST		SFT	SF 199847030	00017969	150.0	15.0	2250.0	3236
030-BENTOMAT ST		SFT	SF 199847030	00017991	150.0	15.0	2250.0	3286
030-BENTOMAT ST		SFT	SF 199847030	00017992	150.0	15.0	2250.0	3273
030-BENTOMAT ST		SFT	SF 199847030	00017996	150.0	15.0	2250.0	3370
030-BENTOMAT ST		SFT	SF 199847030	00017997	150.0	15.0	2250.0	3288
030-BENTOMAT ST		SFT	SF 199847030	00017999	150.0	15.0	2250.0	3261
030-BENTOMAT ST		SFT	SF 199847030	00018000	150.0	15.0	2250.0	3272
030-BENTOMAT ST		SFT	SF 199847030	00018008	150.0	15.0	2250.0	3251
							========	=======
ORDER TOTALS.....							29250.0	42451.

TOTAL ITEMS..... 13

60 Bags

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

Printed on recycled paper

COLLOID ENVIRONMENTAL TECH CO

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098207

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199849030	00018818	1.02	16.80	119.00	30.30
030-BENTOMAT ST	199849030	00018817	1.02	16.80	119.00	30.30
030-BENTOMAT ST	199849030	00018816	1.02	16.80	119.00	30.30
030-BENTOMAT ST	199849030	00018814	1.02	16.80	119.00	30.30
030-BENTOMAT ST	199849030	00018813	1.02	16.80	119.00	30.30
030-BENTOMAT ST	199849030	00018812	1.02	16.80	119.00	30.30*
030-BENTOMAT ST	199849030	00018810	1.02	16.80	119.00	26.60
030-BENTOMAT ST	199849030	00018805	1.02	16.80	119.00	26.60
030-BENTOMAT ST	199849030	00018804	1.02*	16.80*	119.00*	26.60
030-BENTOMAT ST	199849030	00018792	1.08	13.60	91.40	17.10
030-BENTOMAT ST	199849030	00018791	1.08	13.60	91.40	17.10
030-BENTOMAT ST	199847030	00018011	1.04	18.80	144.40	24.50
030-BENTOMAT ST	199847030	00018009	1.04	18.80	144.40	24.50

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098209

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199849030	00018826	1.12	16.80	119.00	16.80
030-BENTOMAT ST	199849030	00018815	1.02	16.80	119.00	30.30
030-BENTOMAT ST	199849030	00018803	1.07	13.60	91.40	26.60
030-BENTOMAT ST	199849030	00018802	1.07	13.60	91.40	26.60
030-BENTOMAT ST	199849030	00018799	1.07	13.60	91.40	26.60
030-BENTOMAT ST	199849030	00018798	1.07	13.60	91.40	26.60
030-BENTOMAT ST	199849030	00018797	1.07	13.60	91.40	26.60
030-BENTOMAT ST	199849030	00018786	1.08	13.60	91.40	18.50
030-BENTOMAT ST	199849030	00018785	1.08	13.60	91.40	18.50
030-BENTOMAT ST	199849030	00018784	1.08	13.60	91.40	18.50
030-BENTOMAT ST	199849030	00018778	1.08*	13.60	91.40	18.50*
030-BENTOMAT ST	199847030	00018026	1.07	18.80	144.40	30.00
030-BENTOMAT ST	199847030	00018025	1.07	18.80	144.40	30.00
030-BENTOMAT ST	199847030	00018023	1.01	18.80	144.40	31.60

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098210

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199849030	00018811	1.02	16.80	119.00	26.60
030-BENTOMAT ST	199849030	00018809	1.02	16.80	119.00	26.60
030-BENTOMAT ST	199849030	00018808	1.02	16.80	119.00	26.60
030-BENTOMAT ST	199849030	00018807	1.02	16.80	119.00	26.60
030-BENTOMAT ST	199849030	00018806	1.02	16.80	119.00	26.60
030-BENTOMAT ST	199847030	00018003	1.04	18.80	144.40	31.10
030-BENTOMAT ST	199847030	00017990	1.10	18.80	144.40	32.10
030-BENTOMAT ST	199847030	00017989	1.10	18.80	144.40	32.10
030-BENTOMAT ST	199847030	00017988	1.10	18.80	144.40	32.10
030-BENTOMAT ST	199847030	00017986	1.10	18.80	144.40	32.10*
030-BENTOMAT ST	199847030	00017982	1.10	18.80	144.40	23.60
030-BENTOMAT ST	199847030	00017981	1.10	18.80	144.40	23.60

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098211

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199848030	00018154	1.02	12.40	101.00	32.50*
030-BENTOMAT ST	199847030	00017953	1.05	13.60	99.50	31.40
030-BENTOMAT ST	199847030	00017950	1.05	13.60	99.50	31.40
030-BENTOMAT ST	199847030	00017948	1.05	13.60	99.50	35.60
030-BENTOMAT ST	199847030	00017947	1.05	13.60	99.50	35.60
030-BENTOMAT ST	199847030	00017946	1.05	13.60	99.50	35.60
030-BENTOMAT ST	199847030	00017945	1.05	13.60	99.50	35.60
030-BENTOMAT ST	199847030	00017944	1.05	13.60	99.50	35.60
030-BENTOMAT ST	199847030	00017941	1.05*	13.60	99.50	35.60*
030-BENTOMAT ST	199847030	00017940	1.05	13.60	99.50	39.20
030-BENTOMAT ST	199847030	00017939	1.05	13.60	99.50	39.20
030-BENTOMAT ST	199847030	00017938	1.05	13.60	99.50	39.20
030-BENTOMAT ST	199847030	00017937	1.05	13.60	99.50	39.20
030-BENTOMAT ST	199847030	00017936	1.05	13.60	99.50	39.20

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098212

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199847030	00018008	1.04	18.80	144.40	24.50
030-BENTOMAT ST	199847030	00018000	1.04	18.80	144.40	31.10
030-BENTOMAT ST	199847030	00017999	1.04	18.80	144.40	31.10
030-BENTOMAT ST	199847030	00017997	1.04	18.80	144.40	31.10
030-BENTOMAT ST	199847030	00017996	1.04	18.80	144.40	31.10
030-BENTOMAT ST	199847030	00017992	1.10	18.80	144.40	32.10
030-BENTOMAT ST	199847030	00017991	1.10	18.80	144.40	32.10
030-BENTOMAT ST	199847030	00017969	1.06	13.60	99.50	32.90
030-BENTOMAT ST	199847030	00017968	1.06	13.60	99.50	32.90
030-BENTOMAT ST	199847030	00017967	1.06	13.60	99.50	32.90
030-BENTOMAT ST	199847030	00017961	1.02	13.60	99.50	29.70
030-BENTOMAT ST	199847030	00017958	1.02	13.60	99.50	29.70
030-BENTOMAT ST	199847030	00017956	1.05	13.60	99.50	31.40

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098207

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199846010	00002637	6.3	43.1	161.0
030-NON-WOVEN	199849010	00002784	6.5	15.9	127.6
030-NON-WOVEN	199849010	00002792	6.5	15.8	132.9
030-NON-WOVEN	199849010	00002795	6.8	17.2	145.0

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098208

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199846010	00002621	7.0	28.4	165.9
030-NON-WOVEN	199847010	00002694	6.6	16.2	138.6
030-NON-WOVEN	199849010	00002795	6.8	17.2	145.0

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098209

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199847010	00002671	6.5	33.7	143.0
030-NON-WOVEN	199849010	00002784	6.5	15.9	127.6
030-NON-WOVEN	199849010	00002790	6.5	15.8	132.9
030-NON-WOVEN	199849010	00002792	6.5	15.8	132.9
030-NON-WOVEN	199849010	00002795	6.8	17.2	145.0

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098210

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199846010	00002632	6.9	14.8	138.0
030-NON-WOVEN	199846010	00002644	6.3	45.1	159.7
030-NON-WOVEN	199847010	00002659	6.5	23.7	143.7
030-NON-WOVEN	199849010	00002784	6.5	15.9	127.6
030-NON-WOVEN	199849010	00002792	6.5	15.8	132.9

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098211

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199846010	00002630	6.9	14.8	138.0
030-NON-WOVEN	199846010	00002633	6.3	43.1	161.0
030-NON-WOVEN	199846010	00002645	6.3	51.8	152.1
030-NON-WOVEN	199847010	00002670	6.5	33.7	143.0

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098212

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199846010	00002621	7.0	28.4	165.9
030-NON-WOVEN	199846010	00002632	6.9	14.8	138.0
030-NON-WOVEN	199846010	00002645	6.3	51.8	152.1
030-NON-WOVEN	199847010	00002659	6.5	23.7	143.7

TOTAL PAGES 1

SYNTHETIC INDUSTRIES

ISO 9002 CERTIFIED
World Class Quality

November 16, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180411
PO# O-DH1-23130

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

ISO 9002 CERTIFIED World Class Quality

BOL:180411

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7519519	157 x 148	20 x 22	333	3.4
7523553	153 x 135	19 x 20	303	3.3
7523556	157 x 139	21 x 22	315	3.3
7523562	158 x 135	20 x 20	317	3.2
7523565	158 x 151	21 x 22	327	3.4
7524243	156 x 147	21 x 22	344	3.3
7524343	158 x 143	20 x 21	316	3.3
7524344	159 x 143	22 x 21	301	3.3
7524451	167 x 165	22 x 23	310	3.4
7524452	166 x 156	23 x 22	326	3.4
7524454	159 x 158	21 x 25	316	3.4
7524455	167 x 161	21 x 27	326	3.4
7524611	171 x 161	22 x 25	307	3.5
7525164	177 x 150	23 x 23	328	3.3
7528163	156 x 147	20 x 26	336	3.4
7528170	145 x 141	27 x 21	331	3.4
7528297	166 x 152	22 x 22	348	3.4
7528299	161 x 145	21 x 20	349	3.4
7531672	158 x 174	21 x 25	333	3.5
7533155	179 x 165	23 x 27	352	3.4
7533304	147 x 135	19 x 19	315	3.2
7533306	149 x 143	19 x 21	322	3.3

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES
Geosynthetic Products Division

November 19, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180649
PO# O-DH1-23194

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:180649

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7519521	163 x 157	22 x 22	325	3.4
7524610	159 x 137	21 x 24	314	3.3
7528300	155 x 150	19 x 21	340	3.5
7528303	156 x 152	20 x 22	333	3.4
7528841	170 x 152	22 x 27	352	3.5
7531679	176 x 151	23 x 24	333	3.4
7531681	161 x 155	21 x 24	313	3.4
7532886	155 x 164	20 x 24	333	3.6
7532888	163 x 156	21 x 22	317	3.5
7533159	174 x 168	24 x 23	343	3.5
7533161	161 x 165	20 x 25	352	3.5
7543108	157 x 149	21 x 23	331	3.4
7543164	160 x 138	22 x 20	307	3.4
7543165	161 x 138	21 x 20	308	3.4
7543195	149 x 136	21 x 21	326	3.4
7543196	173 x 164	22 x 23	333	3.4
7543221	169 x 150	22 x 21	323	3.4
7543222	168 x 150	21 x 22	329	3.3
7544891	158 x 149	23 x 23	304	3.3
7544892	161 x 159	23 x 22	332	3.5
7545669	169 x 146	22 x 25	291	3.3
7545677	151 x 159	22 x 24	317	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES
Geosynthetic Products Division

November 23, 1998

American Colloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180725
PO# O-DH1-23198

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D 5261	3.2 oz/yd²	105 g/m²
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:180725

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7523555	150 x 135	20 x 18	334	3.2
7524244	159 x 161	24 x 22	324	3.5
7528166	163 x 147	20 x 20	309	3.5
7528306	161 x 144	19 x 23	344	3.5
7533160	162 x 146	21 x 24	308	3.4
7541292	166 x 169	21 x 23	332	3.5
7542435	160 x 153	21 x 21	321	3.4
7543107	152 x 144	20 x 24	332	3.3
7543219	150 x 146	19 x 21	317	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

December 2, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #181011
PO# O-DH1-23398/99

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries' current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

LOL:181011

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7543102	161 x 144	21 x 20	295	3.4
7543104	159 x 140	21 x 21	318	3.3
7543225	149 x 136	19 x 21	318	3.4
7543226	160 x 142	22 x 23	319	3.5
7544896	163 x 147	23 x 21	301	3.4
7545674	151 x 145	22 x 23	312	3.4
7545680	164 x 152	22 x 22	316	3.4
7547965	162 x 147	21 x 22	325	3.4
7547966	155 x 150	21 x 22	319	3.4
7547967	162 x 142	24 x 21	325	3.4
7550558	145 x 148	23 x 22	313	3.4
7550564	148 x 142	21 x 22	319	3.5
7550565	147 x 137	22 x 22	304	3.4
7552529	149 x 145	19 x 22	304	3.4
7552531	155 x 145	23 x 24	322	3.4
7552765	143 x 149	22 x 21	300	3.5
7554708	155 x 137	21 x 22	322	3.3
7554914	157 x 148	22 x 21	304	3.4
7555186	153 x 154	22 x 22	295	3.6
7555187	157 x 170	23 x 22	341	3.6
7555188	160 x 160	23 x 21	307	3.6
7555189	156 x 159	21 x 22	329	3.5

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

December 1, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
Bol: 181011 PO 0-DH1-23398/99

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1897*

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 09-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **05-Nov-98**
in **BN 447373**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	4.8
FREE SWELL	ASTM D 5890	24 MIN.	30
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95935**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 09-Nov-98

TO: CETCO - CLAYMAX CORP.
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: CYNTHIA WILLIX

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **04-Nov-98**
in **BN 447154**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	7.2
FREE SWELL	ASTM D 5890	24 MIN.	27
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: C.L.

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95933**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 04-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **01-Nov-98**
in **BNSF 423325**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	29
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91971**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 11-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **09-Nov-98**
in **BN 449588**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	8.8
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95939**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 24-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **28-Oct-98**
in **ATSF 312243**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	8
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91969**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 16-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **10-Nov-98**
in **BN 453423**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95941**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 04-Nov-98

TO: CETCO - CLAYMAX CORP.
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: CYNTHIA WILLIX

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **01-Nov-98**
in **BN 454802**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	29
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **D.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91972**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

Printed on recycled paper

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098207

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199847030									
00018009	030-BENTOMAT ST	150	2250	3272	7543222		199846010	00002637	423325
00018011	030-BENTOMAT ST	150	2250	3305	7543222		199846010	00002637	423325
LOT# 199849030									
00018791	030-BENTOMAT ST	150	2250	3360	7555189		199849010	00002795	449588
00018792	030-BENTOMAT ST	150	2250	3295	7555189		199849010	00002795	449588
00018804	030-BENTOMAT ST	150	2250	3336	7547967		199849010	00002784	453423
00018805	030-BENTOMAT ST	150	2250	3328	7547967		199849010	00002784	453423
00018810	030-BENTOMAT ST	150	2250	3427	7547967		199849010	00002792	453423
00018812	030-BENTOMAT ST	150	2250	3470	7547967		199849010	00002792	453423
00018813	030-BENTOMAT ST	150	2250	3380	7547967		199849010	00002792	453423
00018814	030-BENTOMAT ST	150	2250	3360	7547967		199849010	00002792	453423
00018816	030-BENTOMAT ST	150	2250	3339	7547967		199849010	00002792	453423
00018817	030-BENTOMAT ST	150	2250	3368	7547967		199849010	00002792	453423
00018818	030-BENTOMAT ST	150	2250	3361	7547967		199849010	00002792	453423

TOTAL SQUARE FEET..... 29,250

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098208

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199847030									
00017963	030-BENTOMAT ST	150	2250	3226	7528303		199846010	00002621	312243
00017964	030-BENTOMAT ST	150	2250	3200	7528303		199846010	00002621	312243
00018139	030-BENTOMAT ST	150	2250	3320	7543107		199847010	00002694	447373
LOT# 199849030									
00018776	030-BENTOMAT ST	150	2250	3312	7531672		B802117A		449588
00018777	030-BENTOMAT ST	150	2250	3290	7531672		B802117A		449588
00018779	030-BENTOMAT ST	150	2250	3298	7531672		B802117A		449588
00018780	030-BENTOMAT ST	150	2250	3291	7531672		B802118A		449588
00018787	030-BENTOMAT ST	150	2250	3360	7555189		B802118A		449588
00018789	030-BENTOMAT ST	150	2250	3350	7555189		199849010	00002795	449588
00018790	030-BENTOMAT ST	150	2250	3334	7555189		199849010	00002795	449588
00018793	030-BENTOMAT ST	150	2250	3390	7555189		199849010	00002795	449588
00018794	030-BENTOMAT ST	150	2250	3403	7555189		199849010	00002795	449588
00018795	030-BENTOMAT ST	150	2250	3450	7555189		199849010	00002795	449588
00018796	030-BENTOMAT ST	150	2250	3407	7555189		199849010	00002795	449588

TOTAL SQUARE FEET..... 31.500

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098209

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199847030									
00018023	030-BENTOMAT ST	150	2250	3337	7531679		199847010	00002671	454802
00018025	030-BENTOMAT ST	150	2250	3324	7531679		199847010	00002671	454802
00018026	030-BENTOMAT ST	150	2250	3319	7531679		199847010	00002671	454802
LOT# 199849030									
00018778	030-BENTOMAT ST	150	2250	3335	7531672		B802117A		449588
00018784	030-BENTOMAT ST	150	2250	3338	7555189		B802118A		449588
00018785	030-BENTOMAT ST	150	2250	3304	7555189		B802118A		449588
00018786	030-BENTOMAT ST	150	2250	3365	7555189		B802118A		449588
00018797	030-BENTOMAT ST	150	2250	3416	7555189		199849010	00002795	449588
00018798	030-BENTOMAT ST	150	2250	3392	7555189		199849010	00002784	449588
00018799	030-BENTOMAT ST	150	2250	3423	7555189		199849010	00002784	449588
00018802	030-BENTOMAT ST	150	2250	3325	7547967		199849010	00002784	453423
00018803	030-BENTOMAT ST	150	2250	3101	7547967		199849010	00002784	453423
00018815	030-BENTOMAT ST	150	2250	3343	7547967		199849010	00002792	453423
00018826	030-BENTOMAT ST	150	2250	3353	7554708		199849010	00002790	453423

TOTAL SQUARE FEET..... 31,500

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098210

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199847030									
00017981	030-BENTOMAT ST	150	2250	3380	7543164		199846010	00002644	312243
00017982	030-BENTOMAT ST	150	2250	3310	7543164		199846010	00002644	312243
00017986	030-BENTOMAT ST	150	2250	3447	7543164		199846010	00002644	423325
00017988	030-BENTOMAT ST	150	2250	3273	7543164		199846010	00002644	423325
00017989	030-BENTOMAT ST	150	2250	3296	7543164		199846010	00002632	423325
00017990	030-BENTOMAT ST	150	2250	3285	7543164		199846010	00002632	423325
00018003	030-BENTOMAT ST	150	2250	3237	7543222		199847010	00002659	423325
LOT# 199849030									
00018806	030-BENTOMAT ST	150	2250	3314	7547967		199849010	00002784	453423
00018807	030-BENTOMAT ST	150	2250	3348	7547967		199849010	00002784	453423
00018808	030-BENTOMAT ST	150	2250	3336	7547967		199849010	00002784	453423
00018809	030-BENTOMAT ST	150	2250	3429	7547967		199849010	00002792	453423
00018811	030-BENTOMAT ST	150	2250	3427	7547967		199849010	00002792	453423

TOTAL SQUARE FEET..... 27.000

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098211

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199847030									
00017936	030-BENTOMAT ST	150	2250	3271	7543165		199847010	00002670	312243
00017937	030-BENTOMAT ST	150	2250	3270	7543165		199847010	00002670	312243
00017938	030-BENTOMAT ST	150	2250	3212	7543165		199847010	00002670	312243
00017939	030-BENTOMAT ST	150	2250	3233	7543165		199847010	00002670	312243
00017940	030-BENTOMAT ST	150	2250	3227	7543165		199847010	00002670	312243
00017941	030-BENTOMAT ST	150	2250	3287	7543165		199846010	00002630	312243
00017944	030-BENTOMAT ST	150	2250	3236	7543165		199846010	00002630	312243
00017945	030-BENTOMAT ST	150	2250	3236	7543165		199846010	00002630	312243
00017946	030-BENTOMAT ST	150	2250	3239	7543165		199846010	00002630	312243
00017947	030-BENTOMAT ST	150	2250	3218	7543165		199846010	00002645	312243
00017948	030-BENTOMAT ST	150	2250	3227	7543165		199846010	00002645	312243
00017950	030-BENTOMAT ST	150	2250	3226	7543165		199846010	00002645	312243
00017953	030-BENTOMAT ST	150	2250	3220	7528303		199846010	00002645	312243
LOT# 199848030									
00018154	030-BENTOMAT ST	150	2250	3389	7543196		199846010	00002633	447154

TOTAL SQUARE FEET..... 31,500

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098212

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199847030									
00017956	030-BENTOMAT ST	150	2250	3269	7528303		199846010	00002645	312243
00017958	030-BENTOMAT ST	150	2250	3256	7528303		199846010	00002621	312243
00017961	030-BENTOMAT ST	150	2250	3258	7528303		199846010	00002621	312243
00017967	030-BENTOMAT ST	150	2250	3211	7528303		199846010	00002621	312243
00017968	030-BENTOMAT ST	150	2250	3220	7528303		199846010	00002621	312243
00017969	030-BENTOMAT ST	150	2250	3236	7528303		199846010	00002621	312243
00017991	030-BENTOMAT ST	150	2250	3286	7543164		199846010	00002632	423325
00017992	030-BENTOMAT ST	150	2250	3273	7543164		199846010	00002632	423325
00017996	030-BENTOMAT ST	150	2250	3370	7543164		199846010	00002632	423325
00017997	030-BENTOMAT ST	150	2250	3288	7543222		199846010	00002632	423325
00017999	030-BENTOMAT ST	150	2250	3261	7543222		199847010	00002659	423325
00018000	030-BENTOMAT ST	150	2250	3272	7543222		199847010	00002659	423325
00018008	030-BENTOMAT ST	150	2250	3251	7543222		199847010	00002659	423325

TOTAL SQUARE FEET..... 29.250

TOTAL PAGES 1

CERTIFICATION PACKAGE 18

12/11/98

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY

234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

11-Dec-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipments to Tomoka Farms LF, Daytona Beach, FL. These shipments left our CETCO - Fairmount, GA, plant on 12/10/98.

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

Printed on recycled paper

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 98897,98916-98918,98920

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**DECEMBER 10, 1998**
ORDER#(S):	**98897,98916-98918,98920**
PRODUCT:	**BENTOMAT ST**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 11 **day of** Dec, **19** 98.

Judy Hall

Notary Public

OFFICIAL SEAL
JUDY HALL
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002

Printed on recycled paper

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT: Tomoka Farms LF

ORDER #: 98897,98916-98918,98920

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

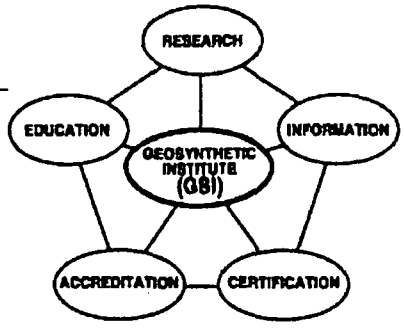
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willis
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 11 day of Dec. 1998.

Judy Hall
Notary Public

OFFICIAL SEAL
JUDY HALL
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002



NO HD

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE 1 OF

CARRIER NAME: NATIONWIDE Tucker Transport DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 12/11/98 SHIPPER'S NO: 000098897
SHIP DATE: 12/11/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site#904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	KM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500.0000 14 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	[redacted]

GROSS: .00 TARE: .00 NET: 45701 [redacted]

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

11:05

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Tucker Transp
Richard Jumper

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098897
ORDER DATE: 12/09/98
SHIP DATE:. 12/10/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199850030	00019027	150.0	15.0	2250.0	3328
030-BENTOMAT ST		SFT	SF 199850030	00019037	150.0	15.0	2250.0	3359
030-BENTOMAT ST		SFT	SF 199850030	00019038	150.0	15.0	2250.0	3279
030-BENTOMAT ST		SFT	SF 199850030	00019041	150.0	15.0	2250.0	3239
030-BENTOMAT ST		SFT	SF 199850030	00019042	150.0	15.0	2250.0	3235
030-BENTOMAT ST		SFT	SF 199850030	00019043	150.0	15.0	2250.0	3329
030-BENTOMAT ST		SFT	SF 199850030	00019044	150.0	15.0	2250.0	3212
030-BENTOMAT ST		SFT	SF 199850030	00019049	150.0	15.0	2250.0	3286
030-BENTOMAT ST		SFT	SF 199850030	00019050	150.0	15.0	2250.0	3217
030-BENTOMAT ST		SFT	SF 199850030	00019051	150.0	15.0	2250.0	3269
030-BENTOMAT ST		SFT	SF 199850030	00019059	150.0	15.0	2250.0	3262
030-BENTOMAT ST		SFT	SF 199850030	00019060	150.0	15.0	2250.0	3248
030-BENTOMAT ST		SFT	SF 199850030	00019061	150.0	15.0	2250.0	3266
030-BENTOMAT ST		SFT	SF 199850030	00019073	150.0	15.0	2250.0	3172
							========	=======
ORDER TOTALS.....							31500.0	45701.

TOTAL ITEMS..... 14

NC 110

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1

CARRIER NAME: NATIONWIDE / STE

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DELIVERING CARRIER:

DEL DATE: 12/11/98 SHIPPER'S NO: 000098916

SHIP DATE: [redacted] 12/7-98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT: Site #904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500.0000 14 Rolls-150' [redacted]		BENTOMAT ST [redacted] CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED [redacted]	[redacted]

GROSS: .00 TARE: .00 NET: 46306 [redacted]

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

2:05

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: STE
La

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098916
ORDER DATE: 12/09/98
SHIP DATE:. 12/10/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199850030	00019002	150.0	15.0	2250.0	3428
030-BENTOMAT ST		SFT	SF 199850030	00019011	150.0	15.0	2250.0	3301
030-BENTOMAT ST		SFT	SF 199850030	00019014	150.0	15.0	2250.0	3364
030-BENTOMAT ST		SFT	SF 199850030	00019018	150.0	15.0	2250.0	3381
030-BENTOMAT ST		SFT	SF 199850030	00019023	150.0	15.0	2250.0	3376
030-BENTOMAT ST		SFT	SF 199850030	00019036	150.0	15.0	2250.0	3359
030-BENTOMAT ST		SFT	SF 199850030	00019053	150.0	15.0	2250.0	3260
030-BENTOMAT ST		SFT	SF 199850030	00019056	150.0	15.0	2250.0	3286
030-BENTOMAT ST		SFT	SF 199850030	00019062	150.0	15.0	2250.0	3263
030-BENTOMAT ST		SFT	SF 199850030	00019063	150.0	15.0	2250.0	3250
030-BENTOMAT ST		SFT	SF 199850030	00019065	150.0	15.0	2250.0	3238
030-BENTOMAT ST		SFT	SF 199850030	00019070	150.0	15.0	2250.0	3235
030-BENTOMAT ST		SFT	SF 199850030	00019071	150.0	15.0	2250.0	3205
030-BENTOMAT ST		SFT	SF 199850030	00019075	150.0	15.0	2250.0	3360
							========	=======
ORDER TOTALS.....							31500.0	46306.

TOTAL ITEMS..... 14

NOHD

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

CARRIER NAME: NATIONWIDE / TEI

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 12/11/98 SHIPPER'S NO: 000098917
SHIP DATE: 12/10/98
SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01
CONSIGNED P.O.#: PA74051
CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT: Site# 904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS *MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY* MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500.0000 14 Rolls-150'		BENTOMAT ST [redacted] CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED [redacted]	[redacted]

GROSS: .00 TARE: .00 NET: 45844

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

1:40

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except [illegible]ed (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood [illegible]out this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, [illegible] route, otherwise to deliver to *another carrier on the route* to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Frank Stocek

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098917
ORDER DATE: 12/09/98
SHIP DATE:. 12/10/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199850030	00019024	150.0	15.0	2250.0	3326
030-BENTOMAT ST		SFT	SF 199850030	00019025	150.0	15.0	2250.0	3335
030-BENTOMAT ST		SFT	SF 199850030	00019028	150.0	15.0	2250.0	3243
030-BENTOMAT ST		SFT	SF 199850030	00019034	150.0	15.0	2250.0	3337
0-BENTOMAT ST		SFT	SF 199850030	00019040	150.0	15.0	2250.0	3288
030-BENTOMAT ST		SFT	SF 199850030	00019045	150.0	15.0	2250.0	3238
030-BENTOMAT ST		SFT	SF 199850030	00019046	150.0	15.0	2250.0	3292
030-BENTOMAT ST		SFT	SF 199850030	00019057	150.0	15.0	2250.0	3307
030-BENTOMAT ST		SFT	SF 199850030	00019058	150.0	15.0	2250.0	3236
030-BENTOMAT ST		SFT	SF 199850030	00019064	150.0	15.0	2250.0	3293
030-BENTOMAT ST		SFT	SF 199850030	00019066	150.0	15.0	2250.0	3227
030-BENTOMAT ST		SFT	SF 199850030	00019067	150.0	15.0	2250.0	3230
030-BENTOMAT ST		SFT	SF 199850030	00019068	150.0	15.0	2250.0	3235
030-BENTOMAT ST		SFT	SF 199850030	00019069	150.0	15.0	2250.0	3257
							========	=======
ORDER TOTALS.....							31500.0	45844.
TOTAL ITEMS.....			14					

NO HB

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1

CARRIER NAME: NATIONWIDE / TEI

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 12/1/98 SHIPPER'S NO: 000098918

SHIP DATE: 12/1/98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site #904 947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500.0000 14 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	[redacted]
		[redacted]	[redacted]

GROSS: .00 TARE: .00 NET: 46968

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

4:35

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except [illegible] noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Mark Mills

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098918
ORDER DATE: 12/09/98
SHIP DATE:. 12/10/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199849030	00018843	150.0	15.0	2250.0	3022
030-BENTOMAT ST		SFT	SF 199849030	00018844	150.0	15.0	2250.0	3420
030-BENTOMAT ST		SFT	SF 199850030	00018931	150.0	15.0	2250.0	3474
030-BENTOMAT ST		SFT	SF 199850030	00018932	150.0	15.0	2250.0	3115
030-BENTOMAT ST		SFT	SF 199850030	00018944	150.0	15.0	2250.0	3366
030-BENTOMAT ST		SFT	SF 199850030	00018945	150.0	15.0	2250.0	3370
030-BENTOMAT ST		SFT	SF 199850030	00018946	150.0	15.0	2250.0	3372
030-BENTOMAT ST		SFT	SF 199850030	00018958	150.0	15.0	2250.0	3364
030-BENTOMAT ST		SFT	SF 199850030	00018959	150.0	15.0	2250.0	3421
030-BENTOMAT ST		SFT	SF 199850030	00018960	150.0	15.0	2250.0	3370
030-BENTOMAT ST		SFT	SF 199850030	00018969	150.0	15.0	2250.0	3422
030-BENTOMAT ST		SFT	SF 199850030	00018970	150.0	15.0	2250.0	3462
030-BENTOMAT ST		SFT	SF 199850030	00018971	150.0	15.0	2250.0	3470
030-BENTOMAT ST		SFT	SF 199850030	00019074	150.0	15.0	2250.0	3320

ORDER TOTALS.....	31500.0	46968.

TOTAL ITEMS..... 14

NO 40

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

CARRIER NAME: NATIONWIDE / TEI

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 12/11/98 SHIPPER'S NO: 000098920
SHIP DATE: 12/1-98

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site #904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
29250		BENTOMAT ST	43416
13 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	
		CG-60 SEAMING CLAY	3000
60 Bags		(10902/024)	
		CLAY-BENTONITE-GROUND (CLASS 60)	
		3295232	
(one pallet, load from side)			

GROSS: .00 TARE: .00 NET: 46416

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except [illegible] noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED

☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

PACKING LIST

COLLOID ENVIRONMENTAL TECH CO
350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098920
ORDER DATE: 12/09/98
SHIP DATE:. 12/10/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199847030	00017962	150.0	15.0	2250.0	3231
030-BENTOMAT ST		SFT	SF 199847030	00017974	150.0	15.0	2250.0	3231
030-BENTOMAT ST		SFT	SF 199847030	00017977	150.0	15.0	2250.0	3445
030-BENTOMAT ST		SFT	SF 199847030	00017978	150.0	15.0	2250.0	3389
0-BENTOMAT ST		SFT	SF 199847030	00017980	150.0	15.0	2250.0	3325
030-BENTOMAT ST		SFT	SF 199847030	00017984	150.0	15.0	2250.0	3381
030-BENTOMAT ST		SFT	SF 199847030	00017985	150.0	15.0	2250.0	3292
030-BENTOMAT ST		SFT	SF 199847030	00017987	150.0	15.0	2250.0	3289
030-BENTOMAT ST		SFT	SF 199850030	00018986	150.0	15.0	2250.0	3342
030-BENTOMAT ST		SFT	SF 199850030	00018994	150.0	15.0	2250.0	3304
030-BENTOMAT ST		SFT	SF 199850030	00019126	150.0	15.0	2250.0	3385
030-BENTOMAT ST		SFT	SF 199850030	00019127	150.0	15.0	2250.0	3358
030-BENTOMAT ST		SFT	SF 199850030	00019128	150.0	15.0	2250.0	3444

ORDER TOTALS.....	29250.0	43416.
TOTAL ITEMS..... 13		

60 Bags On Pallet

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

Printed on recycled paper.

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098897

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199850030	00019073	1.05	14.00	108.00	35.80
030-BENTOMAT ST	199850030	00019061	1.02	15.20	93.50	24.50
030-BENTOMAT ST	199850030	00019060	1.02	15.20	93.50	24.50
030-BENTOMAT ST	199850030	00019059	1.02	15.20	93.50	24.50
030-BENTOMAT ST	199850030	00019051	1.02	15.20	93.50	28.10
030-BENTOMAT ST	199850030	00019050	1.02	15.20	93.50	28.10
030-BENTOMAT ST	199850030	00019049	1.02	15.20	93.50	28.10
030-BENTOMAT ST	199850030	00019044	1.12	15.20	93.50	35.70
030-BENTOMAT ST	199850030	00019043	1.12	15.20	93.50	35.70
030-BENTOMAT ST	199850030	00019042	1.12	15.20	93.50	35.70
030-BENTOMAT ST	199850030	00019041	1.12	15.20	93.50	35.70
030-BENTOMAT ST	199850030	00019038	1.12	15.20	93.50	17.40
030-BENTOMAT ST	199850030	00019037	1.12	15.20	93.50	17.40
030-BENTOMAT ST	199850030	00019027	1.08	15.20	93.50	28.90

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098916

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199850030	00019075	1.05	14.00	108.00	35.80
030-BENTOMAT ST	199850030	00019071	1.02	15.20	93.50	32.50
030-BENTOMAT ST	199850030	00019070	1.02	15.20	93.50	32.50
030-BENTOMAT ST	199850030	00019065	1.02	15.20	93.50	32.50
030-BENTOMAT ST	199850030	00019063	1.02	15.20	93.50	24.50
030-BENTOMAT ST	199850030	00019062	1.02	15.20	93.50	24.50
030-BENTOMAT ST	199850030	00019056	1.02	15.20	93.50	24.50*
030-BENTOMAT ST	199850030	00019053	1.02	15.20	93.50	28.10
030-BENTOMAT ST	199850030	00019036	1.12	15.20	93.50	17.40
030-BENTOMAT ST	199850030	00019023	1.08	15.20	93.50	29.50
030-BENTOMAT ST	199850030	00019018	1.08*	15.20	93.50	29.50*
030-BENTOMAT ST	199850030	00019014	1.08	15.20	93.50	26.00
030-BENTOMAT ST	199850030	00019011	1.08	15.20	93.50	26.00
030-BENTOMAT ST	199850030	00019002	1.08*	15.20*	93.50*	26.70*

NOTE:
An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098917

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199850030	00019069	1.02	15.20	93.50	32.50
030-BENTOMAT ST	199850030	00019068	1.02	15.20	93.50	32.50
030-BENTOMAT ST	199850030	00019067	1.02	15.20	93.50	32.50
030-BENTOMAT ST	199850030	00019066	1.02	15.20	93.50	32.50
030-BENTOMAT ST	199850030	00019064	1.02*	15.20	93.50	32.50*
030-BENTOMAT ST	199850030	00019058	1.02	15.20	93.50	24.50
030-BENTOMAT ST	199850030	00019057	1.02	15.20	93.50	24.50
030-BENTOMAT ST	199850030	00019046	1.12	15.20	93.50	35.70
030-BENTOMAT ST	199850030	00019045	1.12	15.20	93.50	35.70
030-BENTOMAT ST	199850030	00019034	1.12	15.20	93.50	17.40
030-BENTOMAT ST	199850030	00019028	1.08	15.20	93.50	28.90
030-BENTOMAT ST	199850030	00019025	1.08	15.20	93.50	29.50
030-BENTOMAT ST	199850030	00019024	1.08	15.20	93.50	29.50

NOTE:
An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098918

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199850030	00019074	1.05	14.00	108.00	35.80
030-BENTOMAT ST	199850030	00018971	1.07	15.60	127.40	25.50
030-BENTOMAT ST	199850030	00018970	1.07	15.60	127.40	25.50
030-BENTOMAT ST	199850030	00018969	1.07	15.60	127.40	25.50
030-BENTOMAT ST	199850030	00018960	1.10	15.60	112.60	20.60
030-BENTOMAT ST	199850030	00018959	1.10*	15.60	112.60	20.60*
030-BENTOMAT ST	199850030	00018958	1.11	15.60	112.60	18.60
030-BENTOMAT ST	199850030	00018946	1.11	15.60	112.60	25.80
030-BENTOMAT ST	199850030	00018945	1.11	15.60	112.60	25.80
030-BENTOMAT ST	199850030	00018944	1.11	15.60	112.60	25.80
030-BENTOMAT ST	199850030	00018932	1.08	15.60	112.60	16.50
030-BENTOMAT ST	199850030	00018931	1.08	15.60	112.60	16.50
030-BENTOMAT ST	199849030	00018844	1.04	16.80	119.00	25.80
030-BENTOMAT ST	199849030	00018843	1.04	16.80	119.00	25.80

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098920

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199850030	00019128	1.15	14.00	108.00	25.80
030-BENTOMAT ST	199850030	00019127	1.15	14.00	108.00	25.80
030-BENTOMAT ST	199850030	00019126	1.15	14.00	108.00	25.80
030-BENTOMAT ST	199850030	00018994	1.05	15.60	127.40	18.90
030-BENTOMAT ST	199850030	00018986	1.05	15.60	127.40	17.90
030-BENTOMAT ST	199847030	00017987	1.10	18.80	144.40	32.10
030-BENTOMAT ST	199847030	00017985	1.10	18.80	144.40	23.60
030-BENTOMAT ST	199847030	00017984	1.10	18.80	144.40	23.60
030-BENTOMAT ST	199847030	00017980	1.10	18.80	144.40	23.60
030-BENTOMAT ST	199847030	00017978	1.10*	18.80*	144.40*	23.60*
030-BENTOMAT ST	199847030	00017977	1.06	13.60	99.50	32.90
030-BENTOMAT ST	199847030	00017974	1.06	13.60	99.50	32.90
030-BENTOMAT ST	199847030	00017962	1.02	13.60	99.50	29.70

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098897

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199849010	00002797	6.8	17.2	145.0
030-NON-WOVEN	199849010	00002806	6.8	17.2	145.0
030-NON-WOVEN	199850010	00002816	6.8	17.2	145.0
030-NON-WOVEN	199850010	00002823	6.8	17.2	145.0
030-NON-WOVEN	199850010	00002826	6.8	17.2	145.0

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098916

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199849010	00002789	6.5	15.8	132.9
030-NON-WOVEN	199849010	00002797	6.8	17.2	145.0
030-NON-WOVEN	199849010	00002806	6.8	17.2	145.0
030-NON-WOVEN	199850010	00002821	6.8	17.2	145.0
030-NON-WOVEN	199850010	00002823	6.8	17.2	145.0
030-NON-WOVEN	199850010	00002824	6.8	17.2	145.0
030-NON-WOVEN	199850010	00002826	6.8	17.2	145.0
030-NON-WOVEN	199850010	00002827	6.8	17.2	145.0

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098917

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199849010	00002789	6.5	15.8	132.9
030-NON-WOVEN	199849010	00002797	6.8	17.2	145.0
030-NON-WOVEN	199849010	00002806	6.8	17.2	145.0
030-NON-WOVEN	199850010	00002816	6.8	17.2	145.0
030-NON-WOVEN	199850010	00002823	6.8	17.2	145.0
030-NON-WOVEN	199850010	00002826	6.8	17.2	145.0

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098918

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199849010	00002770	6.3	31.6	151.7
030-NON-WOVEN	199849010	00002787	6.5	15.9	127.6
030-NON-WOVEN	199849010	00002793	6.5	15.8	132.9
030-NON-WOVEN	199849010	00002800	6.8	17.2	145.0
030-NON-WOVEN	199849010	00002808	6.8	17.2	145.0
030-NON-WOVEN	199850010	00002821	6.8	17.2	145.0
030-NON-WOVEN	199850010	00002822	6.8	17.2	145.0

TOTAL PAGES 1

QCG#TF3 QCT#TF3
12/11/98 9:17:43

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098920

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199846010	00002621	7.0	28.4	165.9
030-NON-WOVEN	199846010	00002634	6.3	43.1	161.0
030-NON-WOVEN	199846010	00002644	6.3	45.1	159.7
030-NON-WOVEN	199847010	00002664	6.7	21.0	147.2
030-NON-WOVEN	199849010	00002774	6.5	15.2	132.9
030-NON-WOVEN	199850010	00002811	6.8	17.2	145.0
030-NON-WOVEN	199850010	00002838	6.8	17.2	145.0

TOTAL PAGES 1

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

December 11, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
BoL; 626103

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1997

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

Synthetic Industries

Individual Roll Data
Bill of Lading 626103

Roll #	Styte	Batch	Weight	Thick	Tensile		Elongation		T.Tear		Burst	Punct
			Osy	mils	lbs	lbs	%	%	lbs	lbs	psi	lbs
			D5261	D5199	D4632	D4632	D4632	D4632	D4533	D4533	D3786	D4833
B801996A	650	80047	7	132	106	172	104	120	54	57	229	73
B802052A	650	80049	7.1	134	95	161	112	127	57	68	214	
B802055A	650	80049	7	135	104	151	121	121	51	64	229	

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.
Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

mm

DEC-11 98 12:20 FROM:TECHNICAL DEPT. PHD 7069655981 TO:7063372215 PAGE:02/02

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

September 29, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #178517
PO #O-OCW-22438

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

L:178517

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7435227	153 x 149	21 x 27	335	3.3
7468537	161 x 151	34 x 38	346	3.4
7469590	161 x 152	21 x 27	326	3.4
7469591	148 x 141	20 x 23	306	3.3
7469892	154 x 150	23 x 20	363	3.6
7470173	162 x 145	22 x 22	333	3.5
7470174	145 x 142	20 x 25	336	3.4
7470175	147 x 154	19 x 27	343	3.5
7470957	155 x 139	25 x 24	326	3.5
7470958	161 x 141	23 x 24	330	3.5
7471534	155 x 154	22 x 27	338	3.5
7471535	161 x 151	28 x 30	343	3.6
7471536	161 x 153	22 x 26	343	3.6
7473267	163 x 149	23 x 26	313	3.5
7473268	179 x 154	30 x 28	343	3.5
7473269	162 x 158	23 x 25	326	3.6
7473826	169 x 146	24 x 23	340	3.5
7473827	163 x 151	26 x 28	346	3.5
7478436	149 x 147	22 x 25	318	3.5
7478437	162 x 161	27 x 30	336	3.6
7478438	150 x 138	20 x 22	316	3.4
7480047	158 x 158	23 x 26	320	3.5
7480048	181 x 155	24 x 24	340	3.4
7481312	168 x 157	24 x 27	336	3.5
7482270	158 x 137	25 x 26	310	3.4

Synthetic Industries, Inc.
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SYNTHETIC INDUSTRIES

November 16, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180411
PO# O-DH1-23130

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES
Geosynthetic Products Division

November 18, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180537
PO# O-DH1-23189

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:180537

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
291948	158 x 150	21 x 21	326	3.5
7523558	149 x 141	20 x 21	309	3.3
7523559	150 x 139	20 x 22	280	3.3
7523560	149 x 146	21 x 32	327	3.9
7524245	164 x 153	21 x 23	339	3.5
7524453	160 x 152	20 x 22	313	3.4
7524609	166 x 144	22 x 24	327	3.3
7528164	148 x 135	18 x 19	290	3.4
7528165	164 x 138	19 x 21	308	3.4
7528169	160 x 148	21 x 22	329	3.4
7528301	158 x 136	20 x 22	342	3.3
7528302	169 x 146	21 x 21	335	3.4
7531676	165 x 159	22 x 24	329	3.4
7531677	168 x 145	22 x 20	355	3.3
7532892	151 x 162	19 x 21	331	3.6
7533157	161 x 155	22 x 23	325	3.4
7533158	165 x 144	23 x 21	318	3.4
7533307	154 x 150	21 x 22	314	3.4
7540443	156 x 141	21 x 22	298	3.3
7540445	147 x 142	20 x 23	308	3.4
7540564	144 x 140	19 x 21	303	3.3
7541291	166 x 162	21 x 23	315	3.4

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 19, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180649
PO# O-DH1-23194

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:180649

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7519521	163 x 157	22 x 22	325	3.4
7524610	159 x 137	21 x 24	314	3.3
7528300	155 x 150	19 x 21	340	3.5
7528303	156 x 152	20 x 22	333	3.4
7528841	170 x 152	22 x 27	352	3.5
7531679	176 x 151	23 x 24	333	3.4
7531681	161 x 155	21 x 24	313	3.4
7532886	155 x 164	20 x 24	333	3.6
7532888	163 x 156	21 x 22	317	3.5
7533159	174 x 168	24 x 23	343	3.5
7533161	161 x 165	20 x 25	352	3.5
7543108	157 x 149	21 x 23	331	3.4
7543164	160 x 138	22 x 20	307	3.4
7543165	161 x 138	21 x 20	308	3.4
7543195	149 x 136	21 x 21	326	3.4
7543196	173 x 164	22 x 23	333	3.4
7543221	169 x 150	22 x 21	323	3.4
7543222	168 x 150	21 x 22	329	3.3
7544891	158 x 149	23 x 23	304	3.3
7544892	161 x 159	23 x 22	332	3.5
7545669	169 x 146	22 x 25	291	3.3
7545677	151 x 159	22 x 24	317	3.4

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SYNTHETIC INDUSTRIES

ISO 9002 CERTIFIED World Class Quality

December 2, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #181011
PO# O-DH1-23398/99

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

ISO 9002 CERTIFIED World Class Quality

BOL:181011

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7543102	161 x 144	21 x 20	295	3.4
7543104	159 x 140	21 x 21	318	3.3
7543225	149 x 136	19 x 21	318	3.4
7543226	160 x 142	22 x 23	319	3.5
7544896	163 x 147	23 x 21	301	3.4
7545674	151 x 145	22 x 23	312	3.4
7545680	164 x 152	22 x 22	316	3.4
7547965	162 x 147	21 x 22	325	3.4
7547966	155 x 150	21 x 22	319	3.4
7547967	162 x 142	24 x 21	325	3.4
7550558	145 x 148	23 x 22	313	3.4
7550564	148 x 142	21 x 22	319	3.5
7550565	147 x 137	22 x 22	304	3.4
7552529	149 x 145	19 x 22	304	3.4
7552531	155 x 145	23 x 24	322	3.4
7552765	143 x 149	22 x 21	300	3.5
7554708	155 x 137	21 x 22	322	3.3
7554914	157 x 148	22 x 21	304	3.4
7555186	153 x 154	22 x 22	295	3.6
7555187	157 x 170	23 x 22	341	3.6
7555188	160 x 160	23 x 21	307	3.6
7555189	155 x 159	21 x 22	329	3.5

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
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SYNTHETIC INDUSTRIES

December 9, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #181301
PO# O-DH1-23509

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	263 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other that at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/98.

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SYNTHETIC INDUSTRIES

LOL:181301

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7544899	151 x 150	21 x 22	299	3.4
7545683	156 x 146	22 x 20	305	3.4
7547972	147 x 142	20 x 20	310	3.4
7550560	149 x 147	20 x 20	314	3.5
7550561	146 x 152	20 x 22	325	3.4
7552532	155 x 165	22 x 23	330	3.5
7555192	143 x 152	21 x 20	330	3.5
7555193	140 x 148	19 x 20	291	3.4
7558733	161 x 142	24 x 21	321	3.3
7560315	159 x 147	22 x 20	306	3.4
7560316	163 x 137	22 x 20	314	3.3
7560317	163 x 146	24 x 22	308	3.4
7561210	153 x 143	23 x 20	322	3.5
7562284	155 x 152	21 x 22	342	3.4
7562480	161 x 139	23 x 23	319	3.3
7562481	168 x 154	22 x 21	312	3.5
7562857	163 x 146	22 x 21	312	3.3
7562858	166 x 150	21 x 20	309	3.5
7563243	165 x 143	21 x 21	342	3.4
7563649	161 x 158	20 x 23	319	3.4
7563650	159 x 135	19 x 21	321	3.2
7563889	164 x 155	23 x 20	318	3.5
7568521	164 x 145	20 x 20	327	3.4

Synthetic Industries, Inc.
300 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 16-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **11-Nov-98**
in **BN 453861**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	25
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **95943**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 16-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **11-Nov-98**
in **BN 449540**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	10
FREE SWELL	ASTM D 5890	24 MIN.	25
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **95944**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 11-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **09-Nov-98**
in **ATSF 315077**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.2
MOISTURE	ASTM D 2216	12.0% MAX.	10
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **95938**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 16-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **10-Nov-98**
in **BN 453423**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **95941**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 24-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **28-Oct-98**
in **ATSF 312243**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	8
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **91969**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 04-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **01-Nov-98**
in **BNSF 423325**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	29
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91971**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098897

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199850030									
00019027	030-BENTOMAT ST	150	2250	3328	7550560		199850010	00002826	453861
00019037	030-BENTOMAT ST	150	2250	3359	7560316		199850010	00002816	453861
00019038	030-BENTOMAT ST	150	2250	3279	7560316		199850010	00002816	453861
00019041	030-BENTOMAT ST	150	2250	3239	7560316		199850010	00002816	453861
00019042	030-BENTOMAT ST	150	2250	3235	7560316		199850010	00002816	453861
00019043	030-BENTOMAT ST	150	2250	3329	7560316		199850010	00002816	453861
00019044	030-BENTOMAT ST	150	2250	3212	7560316		199850010	00002816	453861
00019049	030-BENTOMAT ST	150	2250	3286	7562480		199850010	00002823	453861
00019050	030-BENTOMAT ST	150	2250	3217	7562480		199850010	00002823	453861
00019051	030-BENTOMAT ST	150	2250	3269	7562480		199850010	00002823	453861
00019059	030-BENTOMAT ST	150	2250	3262	7562480		199849010	00002806	453861
00019060	030-BENTOMAT ST	150	2250	3248	7562480		199849010	00002806	453861
00019061	030-BENTOMAT ST	150	2250	3266	7562480		199849010	00002806	453861
00019073	030-BENTOMAT ST	150	2250	3172	7544899		199849010	00002797	453861

TOTAL SQUARE FEET..... 31.500

TOTAL PAGES 1

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098916

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199850030									
00019002	030-BENTOMAT ST	150	2250	3428	7435227		199850010	00002827	449540
00019011	030-BENTOMAT ST	150	2250	3301	7550560		199850010	00002824	453861
00019014	030-BENTOMAT ST	150	2250	3364	7550560		199850010	00002824	453861
00019018	030-BENTOMAT ST	150	2250	3381	7550560		199849010	00002789	453861
00019023	030-BENTOMAT ST	150	2250	3376	7550560		199849010	00002789	453861
00019036	030-BENTOMAT ST	150	2250	3359	7560316		199850010	00002826	453861
00019053	030-BENTOMAT ST	150	2250	3260	7562480		199850010	00002823	453861
00019056	030-BENTOMAT ST	150	2250	3286	7562480		199850010	00002823	453861
00019062	030-BENTOMAT ST	150	2250	3263	7562480		199849010	00002806	453861
00019063	030-BENTOMAT ST	150	2250	3250	7562480		199849010	00002806	453861
00019065	030-BENTOMAT ST	150	2250	3238	7562480		199849010	00002806	453861
00019070	030-BENTOMAT ST	150	2250	3235	7562480		199849010	00002797	453861
00019071	030-BENTOMAT ST	150	2250	3205	7544899		199849010	00002797	453861
00019075	030-BENTOMAT ST	150	2250	3360	7544899		199850010	00002821	453861

TOTAL SQUARE FEET..... 31.500

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098917

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199850030									
00019024	030-BENTOMAT ST	150	2250	3326	7550560		199849010	00002789	453861
00019025	030-BENTOMAT ST	150	2250	3335	7550560		199849010	00002789	453861
00019028	030-BENTOMAT ST	150	2250	3243	7560316		199850010	00002826	453861
00019034	030-BENTOMAT ST	150	2250	3337	7560316		199850010	00002826	453861
00019045	030-BENTOMAT ST	150	2250	3238	7560316		199850010	00002816	453861
00019046	030-BENTOMAT ST	150	2250	3292	7560316		199850010	00002823	453861
00019057	030-BENTOMAT ST	150	2250	3307	7562480		199849010	00002806	453861
00019058	030-BENTOMAT ST	150	2250	3236	7562480		199849010	00002806	453861
00019064	030-BENTOMAT ST	150	2250	3293	7562480		199849010	00002806	453861
00019066	030-BENTOMAT ST	150	2250	3227	7562480		199849010	00002797	453861
00019067	030-BENTOMAT ST	150	2250	3230	7562480		199849010	00002797	453861
00019068	030-BENTOMAT ST	150	2250	3235	7562480		199849010	00002797	453861
00019069	030-BENTOMAT ST	150	2250	3257	7562480		199849010	00002797	453861

TOTAL SQUARE FEET..... 29,250

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL.MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098918

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199849030									
00018843	030-BENTOMAT ST	150	2250	3022	7524451		199849010	00002787	453423
00018844	030-BENTOMAT ST	150	2250	3420	7524451		199849010	00002808	453423
LOT# 199850030									
00018931	030-BENTOMAT ST	150	2250	3474	7545674		199849010	00002800	315077
00018932	030-BENTOMAT ST	150	2250	3115	7545674		199849010	00002800	315077
00018944	030-BENTOMAT ST	150	2250	3366	7540564		199849010	00002770	315077
00018945	030-BENTOMAT ST	150	2250	3370	7540564		199849010	00002770	315077
00018946	030-BENTOMAT ST	150	2250	3372	7540564		199849010	00002770	315077
00018958	030-BENTOMAT ST	150	2250	3364	7524343		199849010	00002793	315077
00018959	030-BENTOMAT ST	150	2250	3421	7524343		199849010	00002793	315077
00018960	030-BENTOMAT ST	150	2250	3370	7524343		199849010	00002793	315077
00018969	030-BENTOMAT ST	150	2250	3422	7435227		199850010	00002822	449540
00018970	030-BENTOMAT ST	150	2250	3462	7435227		199850010	00002822	449540
00018971	030-BENTOMAT ST	150	2250	3470	7435227		199850010	00002822	449540
00019074	030-BENTOMAT ST	150	2250	3320	7544899		199850010	00002821	453861

TOTAL SQUARE FEET..... 31.500

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098920

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199847030									
00017962	030-BENTOMAT ST	150	2250	3231	7528303		199846010	00002621	312243
00017974	030-BENTOMAT ST	150	2250	3231	7528303		199846010	00002634	312243
00017977	030-BENTOMAT ST	150	2250	3445	7543164		199847010	00002664	312243
00017978	030-BENTOMAT ST	150	2250	3389	7543164		199847010	00002664	312243
00017980	030-BENTOMAT ST	150	2250	3325	7543164		199846010	00002644	312243
00017984	030-BENTOMAT ST	150	2250	3381	7543164		199846010	00002644	312243
00017985	030-BENTOMAT ST	150	2250	3292	7543164		199846010	00002644	423325
00017987	030-BENTOMAT ST	150	2250	3289	7543164		199846010	00002644	423325
LOT# 199850030									
00018986	030-BENTOMAT ST	150	2250	3342	7435227		199850010	00002811	449540
00018994	030-BENTOMAT ST	150	2250	3304	7435227		199849010	00002774	449540
00019126	030-BENTOMAT ST	150	2250	3385	7568521		B801995A		453861
00019127	030-BENTOMAT ST	150	2250	3358	7568521		B801995A		453861
00019128	030-BENTOMAT ST	150	2250	3444	7562284		199850010	00002838	453861

TOTAL SQUARE FEET..... 29.250

TOTAL PAGES 1

CERTIFICATION PACKAGE 19

12/18/98

CETCO

18-Dec-98

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipment to Tomoka Farms LF, Daytona Beach, FL. This shipment left our CETCO - Fairmount, GA, plant on 12/11/98 .

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Bryan Holt

Bryan Holt
Quality Assurance Coordinator

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY
234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY: Bryan Holt
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 98919

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

IND HD

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1 OF

CARRIER NAME: NATIONWIDE / TEI

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 12/14/98 SHIPPER'S NO: 000098919

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SHIP DATE: 12/10/98

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site # 904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500.0000 14 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	[redacted]

[redacted]

GROSS: .00 TARE: .00 NET: 45663

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

1:30

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

P A C K I N G L I S T

C[illegible]LOID ENVIRONMENTAL TECH CO
[illegible] WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:. 000098919
ORDER DATE: 12/09/98
SHIP DATE:. 12/11/98

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199850030	00019204	150.0	15.0	2250.0	3251
030-BENTOMAT ST		SFT	SF 199850030	00019217	150.0	15.0	2250.0	3264
030-BENTOMAT ST		SFT	SF 199850030	00019218	150.0	15.0	2250.0	3262
030-BENTOMAT ST		SFT	SF 199850030	00019220	150.0	15.0	2250.0	3283
[illegible]BENTOMAT ST		SFT	SF 199850030	00019221	150.0	15.0	2250.0	3280
030-BENTOMAT ST		SFT	SF 199850030	00019223	150.0	15.0	2250.0	3265
030-BENTOMAT ST		SFT	SF 199850030	00019232	150.0	15.0	2250.0	3240
030-BENTOMAT ST		SFT	SF 199850030	00019233	150.0	15.0	2250.0	3218
030-BENTOMAT ST		SFT	SF 199850030	00019234	150.0	15.0	2250.0	3220
030-BENTOMAT ST		SFT	SF 199850030	00019235	150.0	15.0	2250.0	3254
030-BENTOMAT ST		SFT	SF 199850030	00019243	150.0	15.0	2250.0	3291
030-BENTOMAT ST		SFT	SF 199850030	00019244	150.0	15.0	2250.0	3291
030-BENTOMAT ST		SFT	SF 199850030	00019245	150.0	15.0	2250.0	3284
030-BENTOMAT ST		SFT	SF 199850030	00019246	150.0	15.0	2250.0	3260
							========	=======
ORDER TOTALS.....							31500.0	45663.

TOTAL ITEMS..... 14

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

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CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**December 11, 1998**
ORDER#(S):	**98919**
PRODUCT:	**BENTOMAT ST**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Bryan Holt

Bryan Holt
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 18 **day of** Dec **,19** 98 **.**

Diane Hunsucker

Notary Public

OFFICIAL SEAL
DIANE B. HUNSUCKER
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 2, 2002

Printed on recycled paper

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT Tomoka Farms LF

ORDER #: 98919

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

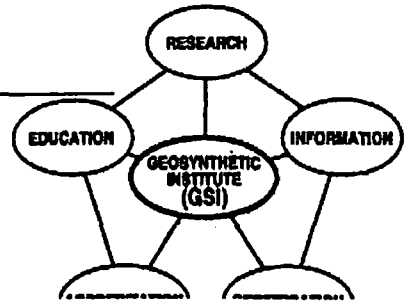
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Byron Holst
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 18 day of Dec 1998.

Diane Hunsucker
Notary Public

OFFICIAL SEAL
DIANE B. HUNSUCKER
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 2, 2002



CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

A Wholly Owned Subsidiary of AMCOL International

Printed on recycled paper

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098919

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199850030	00019246	1.08	135.00	22.90
030-BENTOMAT ST	199850030	00019245	1.08	135.00	22.90
030-BENTOMAT ST	199850030	00019244	1.08*	135.00	22.90*
030-BENTOMAT ST	199850030	00019243	1.10	135.00	27.70
030-BENTOMAT ST	199850030	00019235	1.06	144.50	23.70
030-BENTOMAT ST	199850030	00019234	1.06	144.50	23.70
030-BENTOMAT ST	199850030	00019233	1.06	144.50	23.70
030-BENTOMAT ST	199850030	00019232	1.06	144.50	23.70
030-BENTOMAT ST	199850030	00019223	1.06	144.50	23.70
030-BENTOMAT ST	199850030	00019221	1.06	144.50	23.70
030-BENTOMAT ST	199850030	00019220	1.06	144.50	23.70
030-BENTOMAT ST	199850030	00019218	1.06	144.50	23.70*
030-BENTOMAT ST	199850030	00019217	1.06	144.50	22.70
030-BENTOMAT ST	199850030	00019204	1.10	144.50	21.40

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098919

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199850010	00002830	6.9	15.7	116.2
030-NON-WOVEN	199850010	00002832	6.7	32.1	155.8
030-NON-WOVEN	199850010	00002841	6.2	25.4	147.1
030-NON-WOVEN	199850010	00002848	6.3	17.9	137.9

TOTAL PAGES 1

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

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COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098919

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199850030									
00019204	030-BENTOMAT ST	150	2250	3251	7560315		199850010	00002832	449610
00019217	030-BENTOMAT ST	150	2250	3264	7560315		199850010	00002832	449610
00019218	030-BENTOMAT ST	150	2250	3262	7560315		199850010	00002832	449610
00019220	030-BENTOMAT ST	150	2250	3283	7560315		199850010	00002832	449610
00019221	030-BENTOMAT ST	150	2250	3280	7560315		199850010	00002830	449610
00019223	030-BENTOMAT ST	150	2250	3265	7560315		199850010	00002830	449610
00019232	030-BENTOMAT ST	150	2250	3240	7561210		199850010	00002830	453965
00019233	030-BENTOMAT ST	150	2250	3218	7561210		199850010	00002841	453965
00019234	030-BENTOMAT ST	150	2250	3220	7561210		199850010	00002841	453965
00019235	030-BENTOMAT ST	150	2250	3254	7561210		199850010	00002841	453965
00019243	030-BENTOMAT ST	150	2250	3291	7561210		199850010	00002841	453965
00019244	030-BENTOMAT ST	150	2250	3291	7561210		199850010	00002848	453965
00019245	030-BENTOMAT ST	150	2250	3284	7561210		199850010	00002848	453965
00019246	030-BENTOMAT ST	150	2250	3260	7561210		199850010	00002848	453965

TOTAL SQUARE FEET..... 31,500

TOTAL PAGES 1

CERTIFICATION PACKAGE 20

01/08/99

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY

234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

8-Jan-99

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipments to Tomoka Farms LF, Daytona Beach, FL. These shipments left our CETCO - Fairmount, GA, plant on 1/7/98.

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 98921-98922

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**JANUARY 7,1999**
ORDER#(S):	**98921-98922**
PRODUCT:	**BENTOMAT ST**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 8th **day of** Jan. **,19** 99.

Judy Hall

Notary Public

OFFICIAL SEAL
JUDY HALL
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002

Printed on recycled paper

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT: Tomoka Farms LF

ORDER #: 98921-98922

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

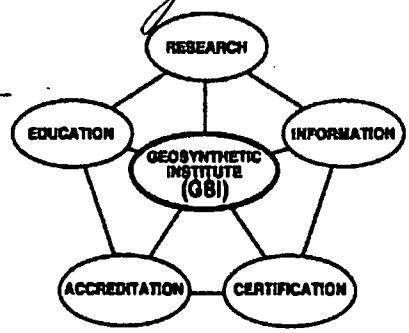
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willis
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 8th day of Jan. 1998.

Judy Hall
Notary Public

OFFICIAL SEAL
JUDY HALL
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002



Printed on recycled paper.

No HB

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

CARRIER NAME: NATIONWIDE / TEI

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DEL DATE: 1/18/99

SHIPPER'S NO: 000098921

SHIP DATE: 1/7/99

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site#904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
20250		BENTOMAT ST	43379
13 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	
		CG-50 SEAMING CLAY	3000
60 Bags		(10902/024)	
		CLAY-BENTONITE-GROUND (CLASS 50)	
		3295232	
(1 pallet, load from side)			

GROSS: .00 TARE: .00 NET: 46379

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED

☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

PACKING LIST

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098921
ORDER DATE: 12/09/98
SHIP DATE:. 1/07/99

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199847030	00018069	150.0	15.0	2250.0	3370
030-BENTOMAT ST		SFT	SF 199847030	00018087	150.0	15.0	2250.0	3398
030-BENTOMAT ST		SFT	SF 199847030	00018100	150.0	15.0	2250.0	3287
030-BENTOMAT ST		SFT	SF 199847030	00018115	150.0	15.0	2250.0	3387
0-BENTOMAT ST		SFT	SF 199847030	00018118	150.0	15.0	2250.0	3340
030-BENTOMAT ST		SFT	SF 199847030	00018128	150.0	15.0	2250.0	3293
030-BENTOMAT ST		SFT	SF 199851030	00019359	150.0	15.0	2250.0	3291
030-BENTOMAT ST		SFT	SF 199851030	00019414	150.0	15.0	2250.0	3296
030-BENTOMAT ST		SFT	SF 199851030	00019433	216.0	15.0	2250.0	3148
030-BENTOMAT ST		SFT	SF 199851030	00019519	150.0	15.0	2250.0	3443
030-BENTOMAT ST		SFT	SF 199851030	00019520	150.0	15.0	2250.0	3443
030-BENTOMAT ST		SFT	SF 199851030	00019521	150.0	15.0	2250.0	3393
030-BENTOMAT ST		SFT	SF 199902030	00000005	150.0	15.0	2250.0	3290
							========	=======
ORDER TOTALS.....							29250.0	43379.

TOTAL ITEMS.....,.. 13

60 Bags

110 HD

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1

CARRIER NAME: NATIONWIDE / Glendstar DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 1/8/99 SHIPPER'S NO: 000098922
SHIP DATE: 1/7/99
SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01
CONSIGNED P.O.#: PA74051
CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site # 904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500.0000 14 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	[redacted]

CROSS: .00 TARE: .00 NET: 46057

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Sylvester Howard

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098922
ORDER DATE: 12/09/98
SHIP DATE:. 1/07/99

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199850030	00019198	150.0	15.0	2250.0	3329
030-BENTOMAT ST		SFT	SF 199851030	00019343	150.0	15.0	2250.0	3264
030-BENTOMAT ST		SFT	SF 199851030	00019344	150.0	15.0	2250.0	3278
030-BENTOMAT ST		SFT	SF 199851030	00019358	150.0	15.0	2250.0	3275
0-BENTOMAT ST		SFT	SF 199851030	00019360	150.0	15.0	2250.0	3250
030-BENTOMAT ST		SFT	SF 199851030	00019361	150.0	15.0	2250.0	3219
030-BENTOMAT ST		SFT	SF 199851030	00019415	150.0	15.0	2250.0	3339
030-BENTOMAT ST		SFT	SF 199851030	00019416	150.0	15.0	2250.0	3273
030-BENTOMAT ST		SFT	SF 199851030	00019417	150.0	15.0	2250.0	3305
030-BENTOMAT ST		SFT	SF 199851030	00019424	216.0	15.0	2250.0	3214
030-BENTOMAT ST		SFT	SF 199851030	00019426	216.0	15.0	2250.0	3240
030-BENTOMAT ST		SFT	SF 199851030	00019467	150.0	15.0	2250.0	3260
030-BENTOMAT ST		SFT	SF 199851030	00019513	150.0	15.0	2250.0	3425
030-BENTOMAT ST		SFT	SF 199851030	00019514	150.0	15.0	2250.0	3386
ORDER TOTALS.....							31500.0	46057.

TOTAL ITEMS..... 14

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

Printed on recycled paper.

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098921

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199902030	00000005	.88	12.00	114.80	26.50
030-BENTOMAT ST	199851030	00019521	1.09	16.00	112.00	16.90
030-BENTOMAT ST	199851030	00019520	1.09	16.00	112.00	16.90
030-BENTOMAT ST	199851030	00019519	1.09	16.00	112.00	16.90
030-BENTOMAT ST	199851030	00019433	1.03	12.80	92.50	18.00
030-BENTOMAT ST	199851030	00019414	1.08	16.00	124.00	29.70
030-BENTOMAT ST	199851030	00019359	1.06	14.40	105.50	34.30
030-BENTOMAT ST	199847030	00018128	1.06	15.20	112.50	39.50
030-BENTOMAT ST	199847030	00018118	1.06	15.20	112.50	36.40
030-BENTOMAT ST	199847030	00018115	1.06	15.20	112.50	36.40
030-BENTOMAT ST	199847030	00018100	1.04	13.60	95.00	23.50
030-BENTOMAT ST	199847030	00018087	1.09	13.60	93.50	25.40
030-BENTOMAT ST	199847030	00018069	1.01	13.60	93.50	27.20

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098922

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199851030	00019514	1.06	16.00	112.00	16.60
030-BENTOMAT ST	199851030	00019513	1.06	16.00	112.00	16.60
030-BENTOMAT ST	199851030	00019467	1.07	12.80	92.50	28.70*
030-BENTOMAT ST	199851030	00019426	1.08	12.80	92.50	25.00
030-BENTOMAT ST	199851030	00019424	1.08	12.80	92.50	25.00
030-BENTOMAT ST	199851030	00019417	1.08	16.00	124.00	29.70
030-BENTOMAT ST	199851030	00019416	1.08	16.00	124.00	29.70
030-BENTOMAT ST	199851030	00019415	1.08	16.00	124.00	29.70
030-BENTOMAT ST	199851030	00019361	1.06	14.40	105.50	34.30
030-BENTOMAT ST	199851030	00019360	1.06	14.40	105.50	34.30
030-BENTOMAT ST	199851030	00019358	1.06	14.40	105.50	34.30
030-BENTOMAT ST	199851030	00019344	1.04	15.20	100.50	18.30
030-BENTOMAT ST	199851030	00019343	1.04	15.20	100.50	18.30
030-BENTOMAT ST	199850030	00019198	1.10	22.40	144.50	24.50

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098921

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199847010	00002656	6.7	32.6	161.2
030-NON-WOVEN	199847010	00002660	6.5	23.7	143.7
030-NON-WOVEN	199847010	00002665	6.7	21.0	147.2
030-NON-WOVEN	199847010	00002677	6.7	17.8	139.0
030-NON-WOVEN	199847010	00002693	6.6	16.2	138.6
030-NON-WOVEN	199850010	00002846	6.3	17.9	137.9
030-NON-WOVEN	199850010	00002857	6.5	23.9	127.4
030-NON-WOVEN	199851010	00002885	6.3	25.4	140.2

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098922

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199850010	00002832	6.7	32.1	155.8
030-NON-WOVEN	199850010	00002846	6.3	17.9	137.9
030-NON-WOVEN	199850010	00002847	6.3	17.9	137.9
030-NON-WOVEN	199850010	00002857	6.5	23.9	127.4
030-NON-WOVEN	199850010	00002865	6.5	23.9	127.4

TOTAL PAGES 1

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 19, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180649
PO# O-DH1-23194

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:180649

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7519521	163 x 157	22 x 22	325	3.4
7524610	159 x 137	21 x 24	314	3.3
7528300	155 x 150	19 x 21	340	3.5
7528303	156 x 152	20 x 22	333	3.4
7528841	170 x 152	22 x 27	352	3.5
7531679	176 x 151	23 x 24	333	3.4
7531681	161 x 155	21 x 24	313	3.4
7532886	155 x 164	20 x 24	333	3.6
7532888	163 x 156	21 x 22	317	3.5
7533159	174 x 168	24 x 23	343	3.5
7533161	161 x 165	20 x 25	352	3.5
7543108	157 x 149	21 x 23	331	3.4
7543164	160 x 138	22 x 20	307	3.4
7543165	161 x 138	21 x 20	308	3.4
7543195	149 x 136	21 x 21	326	3.4
7543196	173 x 164	22 x 23	333	3.4
7543221	169 x 150	22 x 21	323	3.4
7543222	168 x 150	21 x 22	329	3.3
7544891	158 x 149	23 x 23	304	3.3
7544892	161 x 159	23 x 22	332	3.5
7545669	169 x 146	22 x 25	291	3.3
7545677	151 x 159	22 x 24	317	3.4

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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

ISO 9002 CERTIFIED World Class Quality

November 23, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180725
PO# O-DH1-23198

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:180725

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7523555	150 x 135	20 x 18	334	3.2
7524244	159 x 161	24 x 22	324	3.5
7528166	163 x 147	20 x 20	309	3.5
7528306	161 x 144	19 x 23	344	3.5
7533160	162 x 146	21 x 24	308	3.4
7541292	166 x 169	21 x 23	332	3.5
7542435	160 x 153	21 x 21	321	3.4
7543107	152 x 144	20 x 24	332	3.3
7543219	150 x 146	19 x 21	317	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

December 15, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #181513
PO# O-OCW-23606

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FORGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:181513

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7552768	152 x 158	23 x 22	318	3.5
7560320	151 x 138	21 x 22	300	3.4
7560321	148 x 136	22 x 20	307	3.2
7561215	135 x 140	19 x 21	311	3.4
7561217	156 x 146	21 x 20	304	3.4
7561218	152 x 135	22 x 21	301	3.4
7562321	155 x 143	21 x 20	310	3.4
7562322	154 x 150	22 x 20	318	3.4
7562324	147 x 153	21 x 23	299	3.5
7562325	156 x 143	22 x 22	321	3.5
7562326	149 x 141	21 x 21	310	3.3
7562483	166 x 143	21 x 20	309	3.3
7562484	156 x 136	22 x 20	309	3.4
7562485	158 x 137	21 x 22	301	3.3
7562486	159 x 136	21 x 20	331	3.3
7562487	158 x 144	20 x 20	323	3.5
7562860	157 x 140	22 x 20	318	3.4
7562861	152 x 135	19 x 20	299	3.2
7562862	152 x 148	19 x 21	303	3.2
7563354	164 x 159	22 x 23	331	3.5
7563356	158 x 150	21 x 20	325	3.3
7563359	163 x 152	21 x 23	298	3.3
7563360	156 x 157	21 x 24	319	3.4
7563361	162 x 149	22 x 20	347	3.5
7563654	145 x 141	19 x 24	315	3.4
7563655	157 x 147	20 x 24	281	3.4
7563656	151 x 146	19 x 20	325	3.4
7563090	157 x 136	23 x 20	307	3.3
7570289	155 x 150	22 x 22	326	3.4
7570290	152 x 147	21 x 20	331	3.4
7570292	149 x 141	20 x 22	299	3.4
7570293	158 x 139	22 x 20	335	3.4
7570479	141 x 143	20 x 22	324	3.4
7570480	160 x 147	21 x 21	311	3.4
7570482	153 x 155	21 x 21	303	3.5
7575835	152 x 139	21 x 20	315	3.5
7575836	143 x 139	21 x 21	337	3.4

Synthetic Industries, Inc.
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SYNTHETIC INDUSTRIES

Geosynthetic Products Division

December 14, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
BoL; 626120 PO O-0CW-23605

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1897*

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

Individual Roll Data
Bill of Lading 626120

Roll #	Style	Batch	Weight	Thick	Tensile		Elongation		T.Tear		Burst	Punct
			Osy	mils	lbs	lbs	%	%	lbs	lbs	psi	lbs
			D5261	D5199	D4632	D4632	D4632	D4632	D4533	D4533	D3786	D4833
B801944A	650	80047	6.7	127	102	158	100	122	51	62	229	68
B802064A	650	80049	7	135	86	143	116	118	44	61	194	

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.
Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include date from rolls which were not shipped. However, the date provided is from the same production run as the rolls actually shipped on this bill of lading.

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 24-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **19-Nov-98**
in **BN 454255**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.9
MOISTURE	ASTM D 2216	12.0% MAX.	8
FREE SWELL	ASTM D 5890	24 MIN.	32
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **D.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95954**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 04-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **01-Nov-98**
in **BN 454802**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	29
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **D.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91972**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 09-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **05-Nov-98**
in **BN 447373**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	4.8
FREE SWELL	ASTM D 5890	24 MIN.	30
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95935**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 24-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **19-Nov-98**
in **BN 453493.**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	6.8
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95955**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 24-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **19-Nov-98**
in **BN 449551**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	7.2
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **95956**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

Printed on recycled paper.

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098921

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199847030									
00018069	030-BENTOMAT ST	150	2250	3370	7543108		199847010	00002656	454802
00018087	030-BENTOMAT ST	150	2250	3398	7531681		199847010	00002660	454802
00018100	030-BENTOMAT ST	150	2250	3287	7519521		199847010	00002665	447373
00018115	030-BENTOMAT ST	150	2250	3387	7541292		199847010	00002677	447373
00018118	030-BENTOMAT ST	150	2250	3340	7541292		199847010	00002677	447373
00018128	030-BENTOMAT ST	150	2250	3293	7541292		199847010	00002693	447373
LOT# 199851030									
00019359	030-BENTOMAT ST	150	2250	3291	7570292		199850010	00002846	454255
00019414	030-BENTOMAT ST	150	2250	3296	7563359		199850010	00002857	453493
00019433	030-BENTOMAT ST	3216	2250	3148	7563359		199850010	00002857	453493
00019519	030-BENTOMAT ST	150	2250	3443	7562483		B801981A		453493
00019520	030-BENTOMAT ST	150	2250	3443	7562483		B801981A		453493
00019521	030-BENTOMAT ST	150	2250	3393	7562483		B801981A		453493
LOT# 199902030									
00000005	030-BENTOMAT ST	150	2250	3290	7570480		199851010	00002885	449551

TOTAL SQUARE FEET..... 29.250

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098922

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199850030									
00019198	030-BENTOMAT ST	150	2250	3329	7560315		199850010	00002832	449610
LOT# 199851030									
00019343	030-BENTOMAT ST	150	2250	3264	7560315		199850010	00002847	458440
00019344	030-BENTOMAT ST	150	2250	3278	7560315		199850010	00002847	458440
00019358	030-BENTOMAT ST	150	2250	3275	7570292		199850010	00002846	454255
00019360	030-BENTOMAT ST	150	2250	3250	7570292		199850010	00002846	454255
00019361	030-BENTOMAT ST	150	2250	3219	7570292		199850010	00002846	454255
00019415	030-BENTOMAT ST	150	2250	3339	7563359		199850010	00002857	453493
00019416	030-BENTOMAT ST	150	2250	3273	7563359		199850010	00002857	453493
00019417	030-BENTOMAT ST	150	2250	3305	7563359		199850010	00002857	453493
00019424	030-BENTOMAT ST	3216	2250	3214	7563359		199850010	00002857	453493
00019426	030-BENTOMAT ST	3216	2250	3240	7563359		199850010	00002857	453493
00019467	030-BENTOMAT ST	150	2250	3260	7562486		199850010	00002865	453493
00019513	030-BENTOMAT ST	150	2250	3425	7563656		B801955A		453493
00019514	030-BENTOMAT ST	150	2250	3386	7563656		B801955A		453493

TOTAL SQUARE FEET..... 31.500

CERTIFICATION PACKAGE 21

01/12/99

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY

234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

12-Jan-99

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipments to Tomoka Farms LF, Daytona Beach, FL. These shipments left our CETCO - Fairmount, GA, plant on 1/8/99-1/11/99.

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

Printed on recycled paper.

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

Printed on recycled paper.

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 98924-98927

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

Printed on recycled paper.

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**JANUARY 8-11,1999**
ORDER#(S):	**98924-98927**
PRODUCT:	**BENTOMAT ST**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 12 **day of** Jan. ,19 99 .

Diane Hunsucker

Notary Public

OFFICIAL SEAL
DIANE B. HUNSUCKER
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 2, 2002

Printed on recycled paper.

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT: Tomoka Farms LF

ORDER #: 98924-98927

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

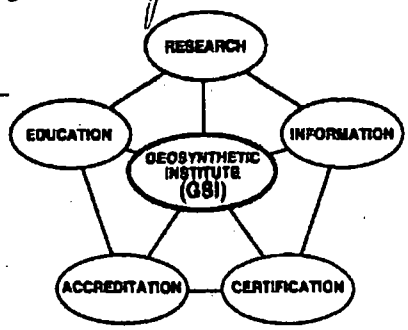
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willey
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 12 day of Jan, 1999.

Diane Hunsucker
Notary Public

OFFICIAL SEAL
DIANE B. HUNSUCKER
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 2, 2002



STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

CARRIER NAME: NATIONWIDE Landstar DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 1/11/99 SHIPPER'S NO: 000098924
SHIP DATE: 1/8/99
SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01
CONSIGNED P.O.#: PA74051
CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site#904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500.0000		BENTOMAT ST	[redacted]
14 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	
[redacted]		[redacted]	[redacted]
		[redacted]	
		[redacted]	
		[redacted]	

GROSS: .00 TARE: .00 NET: 46855 [redacted]

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: John Linville

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED ☐ YES ☐ NO—FURNISHED BY CARRIER

PLACARDS SUPPLIED DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098924
ORDER DATE: 12/09/98
SHIP DATE:.. 1/08/99

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199851030	00019388	150.0	15.0	2250.0	3258
030-BENTOMAT ST		SFT	SF 199851030	00019389	150.0	15.0	2250.0	3273
030-BENTOMAT ST		SFT	SF 199851030	00019392	150.0	15.0	2250.0	3306
030-BENTOMAT ST		SFT	SF 199851030	00019393	150.0	15.0	2250.0	3196
0-BENTOMAT ST		SFT	SF 199851030	00019412	150.0	15.0	2250.0	3342
030-BENTOMAT ST		SFT	SF 199851030	00019413	150.0	15.0	2250.0	3308
030-BENTOMAT ST		SFT	SF 199851030	00019422	216.0	15.0	2250.0	3249
030-BENTOMAT ST		SFT	SF 199851030	00019423	216.0	15.0	2250.0	3212
030-BENTOMAT ST		SFT	SF 199851030	00019507	150.0	15.0	2250.0	3473
030-BENTOMAT ST		SFT	SF 199851030	00019512	150.0	15.0	2250.0	3403
030-BENTOMAT ST		SFT	SF 199851030	00019515	150.0	15.0	2250.0	3470
030-BENTOMAT ST		SFT	SF 199851030	00019516	150.0	15.0	2250.0	3438
030-BENTOMAT ST		SFT	SF 199851030	00019517	150.0	15.0	2250.0	3438
030-BENTOMAT ST		SFT	SF 199851030	00019518	150.0	15.0	2250.0	3489
							========	=======
ORDER TOTALS.....							31500.0	46855.

TOTAL ITEMS..... 14

IW HD

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE 1 O

CARRIER NAME: NATIONWIDE / Riddle

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA

1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PHONE: (904) 947 2952

DEL DATE: 11/11/99

SHIPPER'S NO: 000098925

SHIP DATE: 11/8/99

SHIPPER: CETCO

1350 W SHURE DR.

ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA

P.O. BOX 88

FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site #904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500.0000 14 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	[redacted]

GROSS: .00 TARE: .00 NET: 46442

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED

☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
.RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098925
ORDER DATE: 12/09/98
SHIP DATE:. 1/08/99

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199847030	00018048	150.0	15.0	2250.0	3270
030-BENTOMAT ST		SFT	SF 199847030	00018057	150.0	15.0	2250.0	3360
030-BENTOMAT ST		SFT	SF 199847030	00018067	150.0	15.0	2250.0	3426
030-BENTOMAT ST		SFT	SF 199847030	00018068	150.0	15.0	2250.0	3372
0-BENTOMAT ST		SFT	SF 199847030	00018083	150.0	15.0	2250.0	3379
030-BENTOMAT ST		SFT	SF 199847030	00018086	150.0	15.0	2250.0	3314
030-BENTOMAT ST		SFT	SF 199847030	00018097	150.0	15.0	2250.0	3314
030-BENTOMAT ST		SFT	SF 199847030	00018098	150.0	15.0	2250.0	3290
030-BENTOMAT ST		SFT	SF 199847030	00018117	150.0	15.0	2250.0	3395
030-BENTOMAT ST		SFT	SF 199848030	00018144	150.0	15.0	2250.0	3276
030-BENTOMAT ST		SFT	SF 199848030	00018149	150.0	15.0	2250.0	3286
030-BENTOMAT ST		SFT	SF 199848030	00018151	150.0	15.0	2250.0	3255
030-BENTOMAT ST		SFT	SF 199848030	00018158	150.0	15.0	2250.0	3266
030-BENTOMAT ST		SFT	SF 199848030	00018160	150.0	15.0	2250.0	3239
							========	=======
ORDER TOTALS.....							31500.0	46442.

TOTAL ITEMS..... 14

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1 OF

CARRIER NAME: NATIONWIDE / Whiteline DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA SHIPPER'S NO: 000098926

1990 TOMOKA FARMS RD. DEL DATE: 11/2/99 SHIP DATE: 11/1/99

SHIPPER: CETCO

1350 W SHURE DR.

DAYTONA BEACH FL 32114 ARLINGTON HGTS IL 60004

PHONE: (904) 947 2962

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051 SHIPPING PLANT: FAIRMOUNT,GA

CAR/VEHICLE#: P.O. BOX 88

FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site #904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
29250			
13 Rolls-150		BENTOMAT ST	42303
		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	
		CG-60 SEAMING CLAY	3000
60 Bags		(10902/024)	
		CLAY-BENTONITE-GROUND (CLASS 60)	
		3295232	
(1 pallet, load from side)			

GROSS: .00 TARE: .00 NET: 45303

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

2:15

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

Thomas Hayes

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED

☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

PACKING LIST

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098926
ORDER DATE: 12/09/98
SHIP DATE:.. 1/11/99

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199851030	00019345	150.0	15.0	2250.0	3280
030-BENTOMAT ST		SFT	SF 199851030	00019355	150.0	15.0	2250.0	3300
030-BENTOMAT ST		SFT	SF 199851030	00019364	150.0	15.0	2250.0	3285
030-BENTOMAT ST		SFT	SF 199851030	00019365	150.0	15.0	2250.0	3304
30-BENTOMAT ST		SFT	SF 199851030	00019368	150.0	15.0	2250.0	3260
030-BENTOMAT ST		SFT	SF 199851030	00019375	150.0	15.0	2250.0	3256
030-BENTOMAT ST		SFT	SF 199851030	00019376	150.0	15.0	2250.0	3288
030-BENTOMAT ST		SFT	SF 199851030	00019381	150.0	15.0	2250.0	3260
030-BENTOMAT ST		SFT	SF 199851030	00019382	150.0	15.0	2250.0	3281
030-BENTOMAT ST		SFT	SF 199851030	00019590	150.0	15.0	2250.0	3221
030-BENTOMAT ST		SFT	SF 199851030	00019591	150.0	15.0	2250.0	3223
030-BENTOMAT ST		SFT	SF 199851030	00019592	150.0	15.0	2250.0	3144
030-BENTOMAT ST		SFT	SF 199851030	00019595	150.0	15.0	2250.0	3201
							========	=======
ORDER TOTALS.....							29250.0	42303.

TOTAL ITEMS..... 13

60 Bags

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE 1 C

CARRIER NAME: NATIONWIDE Whitaline

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA

1990 TOMOKA FARMS RD.

DEL DATE: 11/12/99

SHIPPER'S NO: 000098927

SHIP DATE: 11/11/99

SHIPPER: CETCO

1350 W SHURE DR.

ARLINGTON HGTS IL 60004

DAYTONA BEACH FL 32114

PHONE: (904) 947 2962

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA

P.O. BOX 88

FAIRMOUNT GA 30139

ROUTING/CONTRACT:

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500.0000 14 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	[redacted]

GROSS: .00 TARE: .00 NET: 46701

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

2:50

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Eddie Jones

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED

☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098927
ORDER DATE: 12/09/98
SHIP DATE:. 1/11/99

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199850030	00019184	150.0	15.0	2250.0	3340
030-BENTOMAT ST		SFT	SF 199850030	00019186	150.0	15.0	2250.0	3341
030-BENTOMAT ST		SFT	SF 199850030	00019190	150.0	15.0	2250.0	3367
030-BENTOMAT ST		SFT	SF 199850030	00019191	150.0	15.0	2250.0	3374
0-BENTOMAT ST		SFT	SF 199850030	00019192	150.0	15.0	2250.0	3348
030-BENTOMAT ST		SFT	SF 199850030	00019193	150.0	15.0	2250.0	3370
030-BENTOMAT ST		SFT	SF 199850030	00019195	150.0	15.0	2250.0	3383
030-BENTOMAT ST		SFT	SF 199850030	00019196	150.0	15.0	2250.0	3383
030-BENTOMAT ST		SFT	SF 199850030	00019197	150.0	15.0	2250.0	3360
030-BENTOMAT ST		SFT	SF 199850030	00019201	150.0	15.0	2250.0	3315
030-BENTOMAT ST		SFT	SF 199851030	00019342	150.0	15.0	2250.0	3260
030-BENTOMAT ST		SFT	SF 199851030	00019346	150.0	15.0	2250.0	3291
030-BENTOMAT ST		SFT	SF 199851030	00019348	150.0	15.0	2250.0	3291
030-BENTOMAT ST		SFT	SF 199851030	00019366	150.0	15.0	2250.0	3278
							========	=======
ORDER TOTALS.....							31500.0	46701.

TOTAL ITEMS..... 14

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

Printed on recycled paper.

COLLOID ENVIRONMENTAL TECH CO

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098924

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199851030	00019518	1.09	16.00	112.00	16.90
030-BENTOMAT ST	199851030	00019517	1.09	16.00	112.00	16.90
030-BENTOMAT ST	199851030	00019516	1.09	16.00	112.00	16.90
030-BENTOMAT ST	199851030	00019515	1.09*	16.00	112.00	16.90*
030-BENTOMAT ST	199851030	00019512	1.06	16.00	112.00	16.60
030-BENTOMAT ST	199851030	00019507	1.06	16.00	112.00	16.60*
030-BENTOMAT ST	199851030	00019423	1.08	12.80	92.50	25.00
030-BENTOMAT ST	199851030	00019422	1.08	12.80	92.50	25.00
030-BENTOMAT ST	199851030	00019413	1.08	16.00	124.00	29.70
030-BENTOMAT ST	199851030	00019412	1.08	16.00	124.00	29.70
030-BENTOMAT ST	199851030	00019393	1.06	16.00	124.00	25.20
030-BENTOMAT ST	199851030	00019392	1.06*	16.00	124.00	25.20*
030-BENTOMAT ST	199851030	00019389	1.07	16.00	124.00	34.90
030-BENTOMAT ST	199851030	00019388	1.07	16.00	124.00	34.90

NOTE:
An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098925

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199848030	00018160	1.02	12.40	101.00	32.50
030-BENTOMAT ST	199848030	00018158	1.02	12.40	101.00	32.50
030-BENTOMAT ST	199848030	00018151	1.02	12.40	101.00	33.80
030-BENTOMAT ST	199848030	00018149	1.02	12.40	101.00	33.80
030-BENTOMAT ST	199848030	00018144	1.09	17.60	134.40	26.10
030-BENTOMAT ST	199847030	00018117	1.06	15.20	112.50	36.40
030-BENTOMAT ST	199847030	00018098	1.04	13.60	95.00	23.50
030-BENTOMAT ST	199847030	00018097	1.04	13.60	95.00	23.50
030-BENTOMAT ST	199847030	00018086	1.09	13.60	93.50	25.40
030-BENTOMAT ST	199847030	00018083	1.09	13.60	93.50	25.40
030-BENTOMAT ST	199847030	00018068	1.01	13.60	93.50	27.20
030-BENTOMAT ST	199847030	00018067	1.01	13.60	93.50	27.20
030-BENTOMAT ST	199847030	00018057	1.01	13.60	93.50	24.80
030-BENTOMAT ST	199847030	00018048	1.09	13.60	93.50	27.00*

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

COLLOID ENVIRONMENTAL TECH CO

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098926

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199851030	00019595	1.08	15.20	109.00	26.00
030-BENTOMAT ST	199851030	00019592	1.04	15.20	109.00	25.50
030-BENTOMAT ST	199851030	00019591	1.04	15.20	109.00	25.50
030-BENTOMAT ST	199851030	00019590	1.04	15.20	109.00	25.50
030-BENTOMAT ST	199851030	00019382	1.07	16.00	124.00	34.90
030-BENTOMAT ST	199851030	00019381	1.07	16.00	124.00	34.90
030-BENTOMAT ST	199851030	00019376	1.07	16.00	124.00	34.50
030-BENTOMAT ST	199851030	00019375	1.07	16.00	124.00	34.50
030-BENTOMAT ST	199851030	00019368	1.06	14.40	105.50	30.60
030-BENTOMAT ST	199851030	00019365	1.06	14.40	105.50	30.60
030-BENTOMAT ST	199851030	00019364	1.06	14.40	105.50	30.60
030-BENTOMAT ST	199851030	00019355	1.06*	14.40	105.50	34.30*
030-BENTOMAT ST	199851030	00019345	1.04	15.20	100.50	18.30

NOTE:
An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098927

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199851030	00019366	1.06	14.40	105.50	30.60
030-BENTOMAT ST	199851030	00019348	1.04	14.40	105.50	25.40
030-BENTOMAT ST	199851030	00019346	1.04	15.20	100.50	18.30
030-BENTOMAT ST	199851030	00019342	1.04*	15.20	100.50	18.30*
030-BENTOMAT ST	199850030	00019201	1.10	22.40	144.50	24.50
030-BENTOMAT ST	199850030	00019197	1.10	22.40	144.50	24.50
030-BENTOMAT ST	199850030	00019196	1.10	22.40	144.50	24.50
030-BENTOMAT ST	199850030	00019195	1.10	22.40	144.50	24.50
030-BENTOMAT ST	199850030	00019193	1.04	22.40	144.50	23.50
030-BENTOMAT ST	199850030	00019192	1.04	22.40	144.50	23.50
030-BENTOMAT ST	199850030	00019191	1.04	22.40	144.50	23.50
030-BENTOMAT ST	199850030	00019190	1.04	22.40	144.50	23.50
030-BENTOMAT ST	199850030	00019186	1.04	22.40	144.50	23.50*
030-BENTOMAT ST	199850030	00019184	1.04	22.40	144.50	25.50

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

QCG#TF3 QCT#TF3
1/12/99 7:09:20

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098924

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199850010	00002857	6.5	23.9	127.4
030-NON-WOVEN	199851010	00002861	6.9	29.3	165.6
030-NON-WOVEN	199851010	00002873	6.3	18.5	134.4

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT.GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098925

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199846010	00002633	6.3	43.1	161.0
030-NON-WOVEN	199846010	00002661	6.3	51.8	152.1
030-NON-WOVEN	199846010	00002673	6.3	51.8	152.1
030-NON-WOVEN	199847010	00002656	6.7	32.6	161.2
030-NON-WOVEN	199847010	00002660	6.5	23.7	143.7
030-NON-WOVEN	199847010	00002665	6.7	21.0	147.2
030-NON-WOVEN	199847010	00002677	6.7	17.8	139.0
030-NON-WOVEN	199847010	00002685	6.2	10.6	141.6

TOTAL PAGES 1

QCG#TF3 QCT#TF3
1/12/99 7:10:00

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098926

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199850010	00002839	6.2	25.4	147.1
030-NON-WOVEN	199850010	00002846	6.3	17.9	137.9
030-NON-WOVEN	199850010	00002847	6.3	17.9	137.9
030-NON-WOVEN	199851010	00002861	6.9	29.3	165.6
030-NON-WOVEN	199851010	00002881	6.5	37.2	163.4
030-NON-WOVEN	199851010	00002882	6.5	37.2	163.4

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098927

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199850010	00002832	6.7	32.1	155.8
030-NON-WOVEN	199850010	00002840	6.2	25.4	147.1
030-NON-WOVEN	199850010	00002846	6.3	17.9	137.9
030-NON-WOVEN	199850010	00002847	6.3	17.9	137.9

TOTAL PAGES 1

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 19, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180649
PO# O-DH1-23194

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:180649

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7519521	163 x 157	22 x 22	325	3.4
7524610	159 x 137	21 x 24	314	3.3
7528300	155 x 150	19 x 21	340	3.5
7528303	156 x 152	20 x 22	333	3.4
7528841	170 x 152	22 x 27	352	3.5
7531679	176 x 151	23 x 24	333	3.4
7531681	161 x 155	21 x 24	313	3.4
7532886	155 x 164	20 x 24	333	3.6
7532888	163 x 156	21 x 22	317	3.5
7533159	174 x 168	24 x 23	343	3.5
7533161	161 x 165	20 x 25	352	3.5
7543108	157 x 149	21 x 23	331	3.4
7543164	160 x 138	22 x 20	307	3.4
7543165	161 x 138	21 x 20	308	3.4
7543195	149 x 136	21 x 21	326	3.4
7543196	173 x 164	22 x 23	333	3.4
7543221	169 x 150	22 x 21	323	3.4
7543222	168 x 150	21 x 22	329	3.3
7544891	158 x 149	23 x 23	304	3.3
7544892	161 x 159	23 x 22	332	3.5
7545669	169 x 146	22 x 25	291	3.3
7545677	151 x 159	22 x 24	317	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 23, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180725
PO# O-DH1-23198

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:180725

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7523555	150 x 135	20 x 18	334	3.2
7524244	159 x 161	24 x 22	324	3.5
7528166	163 x 147	20 x 20	309	3.5
7528306	161 x 144	19 x 23	344	3.5
7533160	162 x 146	21 x 24	308	3.4
7541292	166 x 169	21 x 23	332	3.5
7542435	160 x 153	21 x 21	321	3.4
7543107	152 x 144	20 x 24	332	3.3
7543219	150 x 146	19 x 21	317	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

December 9, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #181301
PO# O-DH1-23509

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	263 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

181301

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7544899	151 x 150	21 x 22	299	3.4
7545683	156 x 146	22 x 20	305	3.4
7547972	147 x 142	20 x 20	310	3.4
7550560	149 x 147	20 x 20	314	3.5
7550561	146 x 152	20 x 22	325	3.4
7552532	155 x 165	22 x 23	330	3.5
7555192	143 x 152	21 x 20	330	3.5
7555193	140 x 148	19 x 20	291	3.4
7558733	161 x 142	24 x 21	321	3.3
7560315	159 x 147	22 x 20	306	3.4
7560316	163 x 137	22 x 20	314	3.3
7560317	163 x 146	24 x 22	308	3.4
7561210	153 x 143	23 x 20	322	3.5
7562284	155 x 152	21 x 22	342	3.4
7562480	161 x 139	23 x 23	319	3.3
7562481	168 x 154	22 x 21	312	3.5
7562857	163 x 146	22 x 21	312	3.3
7562858	166 x 150	21 x 20	309	3.5
7563243	165 x 143	21 x 21	342	3.4
7563649	161 x 158	20 x 23	319	3.4
7563650	159 x 135	19 x 21	321	3.2
7563889	164 x 155	23 x 20	318	3.5
7568521	164 x 145	20 x 20	327	3.4

Synthetic Industries, Inc.
300 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

ISO 9002 CERTIFIED World Class Quality

December 15, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #181513
PO# O-OCW-23606

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:181513

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7552768	152 x 158	23 x 22	318	3.5
7560320	151 x 138	21 x 22	300	3.4
7560321	148 x 136	22 x 20	307	3.2
7561215	135 x 140	19 x 21	311	3.4
7561217	156 x 146	21 x 20	304	3.4
7561218	152 x 135	22 x 21	301	3.4
7562321	155 x 143	21 x 20	310	3.4
7562322	154 x 150	22 x 20	318	3.4
7562324	147 x 153	21 x 23	299	3.5
7562325	156 x 143	22 x 22	321	3.5
7562326	149 x 141	21 x 21	310	3.3
7562483	166 x 143	21 x 20	309	3.3
7562484	156 x 136	22 x 20	309	3.4
7562485	158 x 137	21 x 22	301	3.3
7562486	159 x 136	21 x 20	331	3.3
7562487	158 x 144	20 x 20	323	3.5
7562860	157 x 140	22 x 20	318	3.4
7562861	152 x 135	19 x 20	299	3.2
7562862	152 x 148	19 x 21	303	3.2
7563354	164 x 159	22 x 23	331	3.5
7563356	158 x 150	21 x 20	325	3.3
7563359	163 x 152	21 x 23	298	3.3
7563360	156 x 157	21 x 24	319	3.4
7563361	162 x 149	22 x 20	347	3.5
7563654	145 x 141	19 x 24	315	3.4
7563655	157 x 147	20 x 24	281	3.4
7563656	151 x 146	19 x 20	325	3.4
7563890	157 x 136	23 x 20	307	3.3
7570289	155 x 150	22 x 22	326	3.4
7570290	152 x 147	21 x 20	331	3.4
7570292	149 x 141	20 x 22	299	3.4
7570293	158 x 139	22 x 20	335	3.4
7570479	141 x 143	20 x 22	324	3.4
7570480	160 x 147	21 x 21	311	3.4
7570482	153 x 155	21 x 21	303	3.5
7575835	152 x 139	21 x 20	315	3.5
7575836	143 x 139	21 x 21	337	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

December 11, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
BoL; 626103

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supercedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1997

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

Individual Roll Data
Bill of Lading 626103

Roll #	Styte	Batch	Weight	Thick	Tensile		Elongation		T.Tear		Burst	Punct
			Osy	mils	lbs	lbs	%	%	lbs	lbs	psi	lbs
			D5261	D5199	D4632	D4632	D4632	D4632	D4533	D4533	D3786	D4833
B801996A	650	80047	7	132	106	172	104	120	54	57	229	73
B802052A	650	80049	7.1	134	95	161	112	127	57	68	214	
B802055A	650	80049	7	135	104	151	121	121	51	64	229	

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.
Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

mm

DEC-11 98 12:20 FROM:TECHNICAL DEPT. PHD 7069655981 TO:7033722215 PAGE:02/02

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

December 14, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
BoL; 626120 PO O-0CW-23605

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1897*

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

Synthetic ustries

Individual . .l Data

Bill of Lading 626120

Roll #	Style	Batch	Weight	Thick	Tensile		Elongation		T.Tear		Burst	Punct
			Osy	mils	lbs	lbs	%	%	lbs	lbs	psi	lbs
			D5261	D5199	D4632	D4632	D4632	D4632	D4533	D4533	D3786	D4833
B801944A	650	80047	6.7	127	102	158	100	122	51	62	229	68
B802064A	650	80049	7	135	86	143	116	118	44	61	194	

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.
Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include date from rolls which were not shipped. However, the date provided is from the same production run as the rolls actually shipped on this bill of lading.

mm

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 09-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **04-Nov-98**
in **BN 447154**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	7.2
FREE SWELL	ASTM D 5890	24 MIN.	27
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **95933**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 18-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **16-Nov-98**
in **BN 458440**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **D.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95951**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 18-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **14-Nov-98**
in **BN 449610**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	6.4
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95949**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 24-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **19-Nov-98**
in **BN 449551**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	7.2
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95956**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 24-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **19-Nov-98**
in **BN 453493.**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	6.8
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95955**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 09-Nov-98

TO: CETCO - CLAYMAX CORP.
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: CYNTHIA WILLIX

Dear Sirs:

A shipment of CG 50
left our Lovell, WY plant on 05-Nov-98
in BN 447373
as requested on your order no. VERBAL

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	4.8
FREE SWELL	ASTM D 5890	24 MIN.	30
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: C.L.

Approved By: MOSES BRISENO

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number 95935

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 04-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **01-Nov-98**
in **BN 454802**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	29
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **D.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91972**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 24-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **19-Nov-98**
in **BN 454255**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.9
MOISTURE	ASTM D 2216	12.0% MAX.	8
FREE SWELL	ASTM D 5890	24 MIN.	32
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **D.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **95954**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

A Wholly Owned Subsidiary of AMCOL International

Printed on recycled paper.

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098924

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199851030									
00019388	030-BENTOMAT ST	150	2250	3258	7575835		199851010	00002861	453493
00019389	030-BENTOMAT ST	150	2250	3273	7575835		199851010	00002861	453493
00019392	030-BENTOMAT ST	150	2250	3306	7563359		199851010	00002873	453493
00019393	030-BENTOMAT ST	150	2250	3196	7563359		199851010	00002873	453493
00019412	030-BENTOMAT ST	150	2250	3342	7563359		199850010	00002857	453493
00019413	030-BENTOMAT ST	150	2250	3308	7563359		199850010	00002857	453493
00019422	030-BENTOMAT ST	150	2250	3249	7563359		199850010	00002857	453493
00019423	030-BENTOMAT ST	150	2250	3212	7563359		199850010	00002857	453493
00019507	030-BENTOMAT ST	150	2250	3473	7563656		B801954A		453493
00019512	030-BENTOMAT ST	150	2250	3403	7563656		B801955A		453493
00019515	030-BENTOMAT ST	150	2250	3470	7563656		B801955A		453493
00019516	030-BENTOMAT ST	150	2250	3438	7563656		B801955A		453493
00019517	030-BENTOMAT ST	150	2250	3438	7563656		B801955A		453493
00019518	030-BENTOMAT ST	150	2250	3489	7562483		B801955A		453493

TOTAL SQUARE FEET..... 31,500

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098925

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199847030									
00018048	030-BENTOMAT ST	150	2250	3270	7543195		199846010	00002673	454802
00018057	030-BENTOMAT ST	150	2250	3360	7545669		199846010	00002673	454802
00018067	030-BENTOMAT ST	150	2250	3426	7543108		199846010	00002661	454802
00018068	030-BENTOMAT ST	150	2250	3372	7543108		199847010	00002656	454802
00018083	030-BENTOMAT ST	150	2250	3379	7543108		199847010	00002660	454802
00018086	030-BENTOMAT ST	150	2250	3314	7543108		199847010	00002660	454802
00018097	030-BENTOMAT ST	150	2250	3314	7531681		199847010	00002665	447373
00018098	030-BENTOMAT ST	150	2250	3290	7519521		199847010	00002665	447373
00018117	030-BENTOMAT ST	150	2250	3395	7541292		199847010	00002677	447373
LOT# 199848030									
00018144	030-BENTOMAT ST	150	2250	3276	7543196		199847010	00002685	447154
00018149	030-BENTOMAT ST	150	2250	3286	7543196		199847010	00002685	447154
00018151	030-BENTOMAT ST	150	2250	3255	7543196		199847010	00002685	447154
00018158	030-BENTOMAT ST	150	2250	3266	7523555		199846010	00002633	447154
00018160	030-BENTOMAT ST	150	2250	3239	7523555		199846010	00002633	447154

TOTAL SQUARE FEET..... 31.500

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098926

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199851030									
00019345	030-BENTOMAT ST	150	2250	3280	7570292		199850010	00002847	458440
00019355	030-BENTOMAT ST	150	2250	3300	7570292		199850010	00002846	454255
00019364	030-BENTOMAT ST	150	2250	3285	7570292		199850010	00002846	454255
00019365	030-BENTOMAT ST	150	2250	3304	7570292		199850010	00002846	454255
00019368	030-BENTOMAT ST	150	2250	3260	7570292		199850010	00002846	454255
00019375	030-BENTOMAT ST	150	2250	3256	7575835		199850010	00002839	454255
00019376	030-BENTOMAT ST	150	2250	3288	7575835		199850010	00002839	454255
00019381	030-BENTOMAT ST	150	2250	3260	7575835		199851010	00002861	453493
00019382	030-BENTOMAT ST	150	2250	3281	7575835		199851010	00002861	453493
00019590	030-BENTOMAT ST	150	2250	3221	7563360		199851010	00002882	449551
00019591	030-BENTOMAT ST	150	2250	3223	7563360		199851010	00002881	449551
00019592	030-BENTOMAT ST	150	2250	3144	7563360		199851010	00002881	449551
00019595	030-BENTOMAT ST	150	2250	3201	7563360		199851010	00002881	449551

TOTAL SQUARE FEET..... 29,250

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098927

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199850030									
00019184	030-BENTOMAT ST	150	2250	3340	7560315		199850010	00002840	449610
00019186	030-BENTOMAT ST	150	2250	3341	7560315		199850010	00002840	449610
00019190	030-BENTOMAT ST	150	2250	3367	7560315		199850010	00002840	449610
00019191	030-BENTOMAT ST	150	2250	3374	7560315		199850010	00002840	449610
00019192	030-BENTOMAT ST	150	2250	3348	7560315		199850010	00002832	449610
00019193	030-BENTOMAT ST	150	2250	3370	7560315		199850010	00002832	449610
00019195	030-BENTOMAT ST	150	2250	3383	7560315		199850010	00002832	449610
00019196	030-BENTOMAT ST	150	2250	3383	7560315		199850010	00002832	449610
00019197	030-BENTOMAT ST	150	2250	3360	7560315		199850010	00002832	449610
00019201	030-BENTOMAT ST	150	2250	3315	7560315		199850010	00002832	449610
LOT# 199851030									
00019342	030-BENTOMAT ST	150	2250	3260	7560315		199850010	00002847	458440
00019346	030-BENTOMAT ST	150	2250	3291	7570292		B801959A		454255
00019348	030-BENTOMAT ST	150	2250	3291	7570292		B801959A		454255
00019366	030-BENTOMAT ST	150	2250	3278	7570292		199850010	00002846	454255

TOTAL SQUARE FEET..... 31.500

CERTIFICATION PACKAGE 22

01/13/99

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY

234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

12-Jan-99

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipments to Tomoka Farms LF, Daytona Beach, FL. These shipments left our CETCO - Fairmount, GA, plant on 1/12/99.

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

Printed on recycled paper.

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

Printed on recycled paper.

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 98928-98929

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

Printed on recycled paper.

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**JANUARY 12,1999**
ORDER#(S):	**98928-98929**
PRODUCT:	**BENTOMAT ST**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

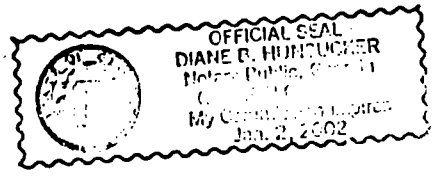
Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 13 **day of** Jan., **19** 99.

Diane Huncucker

Notary Public



Printed on recycled paper.

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT: Tomoka Farms LF

ORDER #: 98928-98929

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

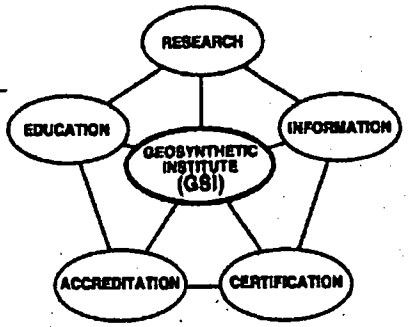
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willis
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 13 day of Jan 1999.

Diane Hunsucker
Notary Public

OFFICIAL SEAL
DIANE B. HUNSUCKER
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 2, 2002



NO HLD

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

CARRIER NAME: NATIONWIDE / Riddle

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DEL DATE: 1/13/99

SHIPPER'S NO: 00009892

SHIP DATE: 1/12/99

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site # 904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500.0000		BENTOMAT ST	[redacted]
14 Rolls - 150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	
[redacted]		[redacted]	[redacted]

GROSS: .00 TARE: .00 NET: 46831 [redacted]

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

10:55

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except [illegible]erts and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, [illegible] otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: R. Dell

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1350 WEST SHURE DRIVE
RLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098928
ORDER DATE: 12/09/98
SHIP DATE:. 1/12/99

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199847030	00018057	150.0	15.0	2250.0	3360
030-BENTOMAT ST		SFT	SF 199847030	00018058	150.0	15.0	2250.0	3364
030-BENTOMAT ST		SFT	SF 199847030	00018061	150.0	15.0	2250.0	3383
030-BENTOMAT ST		SFT	SF 199847030	00018062	150.0	15.0	2250.0	3413
0-BENTOMAT ST		SFT	SF 199847030	00018064	150.0	15.0	2250.0	3380
030-BENTOMAT ST		SFT	SF 199847030	00018079	150.0	15.0	2250.0	3428
030-BENTOMAT ST		SFT	SF 199847030	00018080	150.0	15.0	2250.0	3405
030-BENTOMAT ST		SFT	SF 199847030	00018084	150.0	15.0	2250.0	3333
030-BENTOMAT ST		SFT	SF 199847030	00018090	150.0	15.0	2250.0	3372
030-BENTOMAT ST		SFT	SF 199851030	00019319	150.0	15.0	2250.0	3260
030-BENTOMAT ST		SFT	SF 199851030	00019320	150.0	15.0	2250.0	3240
030-BENTOMAT ST		SFT	SF 199851030	00019323	150.0	15.0	2250.0	3288
030-BENTOMAT ST		SFT	SF 199851030	00019324	150.0	15.0	2250.0	3296
030-BENTOMAT ST		SFT	SF 199851030	00019325	150.0	15.0	2250.0	3309
ORDER TOTALS.....							31500.0	46831.

TOTAL ITEMS..... 14

INV HD

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1

CARRIER NAME: NATIONWIDE / TEI

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DEL DATE: 11/13/99 SHIPPER'S NO: 000098929

SHIP DATE: 11/12/99

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site# 904-947-2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500.0000 4 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	[redacted]

[redacted]

GROSS: .00 TARE: .00 NET: 46084

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

12:30

"MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as r ntents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood his contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, s, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion id route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

Randolph Richa

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

ORIGINAL

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
350 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098929
ORDER DATE: 12/09/98
SHIP DATE:. 1/12/99

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199849030	00018618	150.0	15.0	2250.0	3265
030-BENTOMAT ST		SFT	SF 199849030	00018706	150.0	15.0	2250.0	3291
030-BENTOMAT ST		SFT	SF 199850030	00018966	150.0	15.0	2250.0	3521
030-BENTOMAT ST		SFT	SF 199851030	00019306	150.0	15.0	2250.0	3220
0-BENTOMAT ST		SFT	SF 199851030	00019309	150.0	15.0	2250.0	3270
030-BENTOMAT ST		SFT	SF 199851030	00019310	150.0	15.0	2250.0	3269
030-BENTOMAT ST		SFT	SF 199851030	00019311	150.0	15.0	2250.0	3285
030-BENTOMAT ST		SFT	SF 199851030	00019312	150.0	15.0	2250.0	3260
030-BENTOMAT ST		SFT	SF 199851030	00019313	150.0	15.0	2250.0	3262
030-BENTOMAT ST		SFT	SF 199851030	00019314	150.0	15.0	2250.0	3274
030-BENTOMAT ST		SFT	SF 199851030	00019316	150.0	15.0	2250.0	3260
030-BENTOMAT ST		SFT	SF 199851030	00019318	150.0	15.0	2250.0	3269
030-BENTOMAT ST		SFT	SF 199851030	00019321	150.0	15.0	2250.0	3330
030-BENTOMAT ST		SFT	SF 199851030	00019328	150.0	15.0	2250.0	3308
							========	=======
ORDER TOTALS.....							31500.0	46084.

TOTAL ITEMS..... 14

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

Printed on recycled paper.

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098928

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199851030	00019325	1.03	17.60	134.50	20.90
030-BENTOMAT ST	199851030	00019324	1.03	17.60	134.50	20.90
030-BENTOMAT ST	199851030	00019323	1.03	17.60	134.50	20.90
030-BENTOMAT ST	199851030	00019320	1.03	17.60	134.50	26.40
030-BENTOMAT ST	199851030	00019319	1.03	17.60	134.50	26.40
030-BENTOMAT ST	199847030	00018090	1.04*	13.60	95.00*	23.50*
030-BENTOMAT ST	199847030	00018084	1.09	13.60	93.50	25.40
030-BENTOMAT ST	199847030	00018080	1.09	13.60	93.50	27.50
030-BENTOMAT ST	199847030	00018079	1.09	13.60	93.50	27.50
030-BENTOMAT ST	199847030	00018064	1.01	13.60	93.50	24.80
030-BENTOMAT ST	199847030	00018062	1.01	13.60	93.50	24.80
030-BENTOMAT ST	199847030	00018061	1.01	13.60	93.50	24.80
030-BENTOMAT ST	199847030	00018058	1.01	13.60	93.50	24.80
030-BENTOMAT ST	199847030	00018057	1.01	13.60	93.50	24.80

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098929

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199851030	00019328	1.03	17.60	134.50	20.90
030-BENTOMAT ST	199851030	00019321	1.03	17.60	134.50	26.40
030-BENTOMAT ST	199851030	00019318	1.03	17.60	134.50	26.40
030-BENTOMAT ST	199851030	00019316	1.03	17.60	134.50	26.40
030-BENTOMAT ST	199851030	00019314	1.03	17.60	134.50	26.40*
030-BENTOMAT ST	199851030	00019313	1.03	17.60	134.50	21.70
030-BENTOMAT ST	199851030	00019312	1.03	17.60	134.50	21.70
030-BENTOMAT ST	199851030	00019311	1.03	17.60	134.50	21.70
030-BENTOMAT ST	199851030	00019310	1.03	17.60	134.50	21.70
030-BENTOMAT ST	199851030	00019309	1.03	17.60	134.50	21.70
030-BENTOMAT ST	199851030	00019306	1.03*	17.60*	134.50*	21.70*
030-BENTOMAT ST	199850030	00018966	1.10	15.60	112.60	19.10*
030-BENTOMAT ST	199849030	00018706	1.07	18.40	135.40	24.00
030-BENTOMAT ST	199849030	00018618	1.03	16.00	98.50	24.30

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

QCG#TF3 QCT#TF3
1/13/99 8:44:59

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098928

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199846010	00002661	6.3	51.8	152.1
030-NON-WOVEN	199846010	00002673	6.3	51.8	152.1
030-NON-WOVEN	199847010	00002660	6.5	23.7	143.7
030-NON-WOVEN	199847010	00002665	6.7	21.0	147.2
030-NON-WOVEN	199850010	00002818	6.5	17.9	138.9

TOTAL PAGES 1

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098929

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199849010	00002767	6.3	31.6	151.7
030-NON-WOVEN	199849010	00002778	6.7	18.5	137.7
030-NON-WOVEN	199850010	00002817	6.5	17.9	138.9
030-NON-WOVEN	199850010	00002818	6.5	17.9	138.9
030-NON-WOVEN	199850010	00002843	6.3	17.9	137.9

TOTAL PAGES 1

SYNTHETIC INDUSTRIES
Geosynthetic Products Division

ISO 9002 CERTIFIED
World Class Quality

November 18, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180537
PO# O-DH1-23189

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:180537

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
291948	158 x 150	21 x 21	326	3.5
7523558	149 x 141	20 x 21	309	3.3
7523559	150 x 139	20 x 22	280	3.3
7523560	149 x 146	21 x 32	327	3.9
7524245	164 x 153	21 x 23	339	3.5
7524453	160 x 152	20 x 22	313	3.4
7524609	166 x 144	22 x 24	327	3.3
7528164	148 x 135	18 x 19	290	3.4
7528165	164 x 138	19 x 21	308	3.4
7528169	160 x 148	21 x 22	329	3.4
7528301	158 x 136	20 x 22	342	3.3
7528302	169 x 146	21 x 21	335	3.4
7531676	165 x 159	22 x 24	329	3.4
7531677	168 x 145	22 x 20	355	3.3
7532892	151 x 162	19 x 21	331	3.6
7533157	161 x 155	22 x 23	325	3.4
7533158	165 x 144	23 x 21	318	3.4
7533307	154 x 150	21 x 22	314	3.4
7540443	156 x 141	21 x 22	298	3.3
7540445	147 x 142	20 x 23	308	3.4
7540564	144 x 140	19 x 21	303	3.3
7541291	166 x 162	21 x 23	315	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

November 19, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180649
PO# O-DH1-23194

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423 899 0444 • Fax • 423 899 7619 • 1 800 621 0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:180649

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7519521	163 x 157	22 x 22	325	3.4
7524610	159 x 137	21 x 24	314	3.3
7528300	155 x 150	19 x 21	340	3.5
7528303	156 x 152	20 x 22	333	3.4
7528841	170 x 152	22 x 27	352	3.5
7531679	176 x 151	23 x 24	333	3.4
7531681	161 x 155	21 x 24	313	3.4
7532886	155 x 164	20 x 24	333	3.6
7532888	163 x 156	21 x 22	317	3.5
7533159	174 x 168	24 x 23	343	3.5
7533161	161 x 165	20 x 25	352	3.5
7543108	157 x 149	21 x 23	331	3.4
7543164	160 x 138	22 x 20	307	3.4
7543165	161 x 138	21 x 20	308	3.4
7543195	149 x 136	21 x 21	326	3.4
7543196	173 x 164	22 x 23	333	3.4
7543221	169 x 150	22 x 21	323	3.4
7543222	168 x 150	21 x 22	329	3.3
7544891	158 x 149	23 x 23	304	3.3
7544892	161 x 159	23 x 22	332	3.5
7545669	169 x 146	22 x 25	291	3.3
7545677	151 x 159	22 x 24	317	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

ISO 9002 CERTIFIED World Class Quality

December 2, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #181011
PO# O-DH1-23398/99

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

ISO 9002 CERTIFIED World Class Quality

BOL:181011

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7543102	161 x 144	21 x 20	295	3.4
7543104	159 x 140	21 x 21	318	3.3
7543225	149 x 136	19 x 21	318	3.4
7543226	160 x 142	22 x 23	319	3.5
7544896	163 x 147	23 x 21	301	3.4
7545674	151 x 145	22 x 23	312	3.4
7545680	164 x 152	22 x 22	316	3.4
7547965	162 x 147	21 x 22	325	3.4
7547966	155 x 150	21 x 22	319	3.4
7547967	162 x 142	24 x 21	325	3.4
7550558	145 x 148	23 x 22	313	3.4
7550564	148 x 142	21 x 22	319	3.5
7550565	147 x 137	22 x 22	304	3.4
7552529	149 x 145	19 x 22	304	3.4
7552531	155 x 145	23 x 24	322	3.4
7552765	143 x 149	22 x 21	300	3.5
7554708	155 x 137	21 x 22	322	3.3
7554914	157 x 148	22 x 21	304	3.4
7555186	153 x 154	22 x 22	295	3.6
7555187	157 x 170	23 x 22	341	3.6
7555188	160 x 160	23 x 21	307	3.6
7555189	155 x 159	21 x 22	329	3.5

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

December 9, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #181301
PO# O-DH1-23509

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	263 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

181301

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7544899	151 x 150	21 x 22	299	3.4
7545683	156 x 146	22 x 20	305	3.4
7547972	147 x 142	20 x 20	310	3.4
7550560	149 x 147	20 x 20	314	3.5
7550561	146 x 152	20 x 22	325	3.4
7552532	155 x 165	22 x 23	330	3.5
7555192	143 x 152	21 x 20	330	3.5
7555193	140 x 148	19 x 20	291	3.4
7558733	161 x 142	24 x 21	321	3.3
7560315	159 x 147	22 x 20	306	3.4
7560316	163 x 137	22 x 20	314	3.3
7560317	163 x 146	24 x 22	308	3.4
7561210	153 x 143	23 x 20	322	3.5
7562284	155 x 152	21 x 22	342	3.4
7562480	161 x 139	23 x 23	319	3.3
7562481	168 x 154	22 x 21	312	3.5
7562857	163 x 146	22 x 21	312	3.3
7562858	166 x 150	21 x 20	309	3.5
7563243	165 x 143	21 x 21	342	3.4
7563649	161 x 158	20 x 23	319	3.4
7563650	159 x 135	19 x 21	321	3.2
7563889	164 x 155	23 x 20	318	3.5
7568521	164 x 145	20 x 20	327	3.4

Synthetic Industries, Inc.
300 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 18-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **12-Nov-98**
in **BNSF 420683**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.8

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **95946**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 16-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **11-Nov-98**
in **BN 449540**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	10
FREE SWELL	ASTM D 5890	24 MIN.	25
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **95944**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 04-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **01-Nov-98**
in **BN 454802**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	9.2
FREE SWELL	ASTM D 5890	24 MIN.	29
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **D.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **91972**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 18-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **14-Nov-98**
in **BN 453965**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.9
MOISTURE	ASTM D 2216	12.0% MAX.	5.6
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **95950**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 18-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **16-Nov-98**
in **BN 458440**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	12.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **D.M.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95951**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

Printed on recycled paper.

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098928

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199847030									
00018057	030-BENTOMAT ST	150	2250	3360	7545669		199846010	00002673	454802
00018058	030-BENTOMAT ST	150	2250	3364	7545669		199846010	00002673	454802
00018061	030-BENTOMAT ST	150	2250	3383	7545669		199846010	00002673	454802
00018062	030-BENTOMAT ST	150	2250	3413	7545669		199846010	00002661	454802
00018064	030-BENTOMAT ST	150	2250	3380	7543108		199846010	00002661	454802
00018079	030-BENTOMAT ST	150	2250	3428	7543108		199847010	00002660	454802
00018080	030-BENTOMAT ST	150	2250	3405	7543108		199847010	00002660	454802
00018084	030-BENTOMAT ST	150	2250	3333	7543108		199847010	00002660	454802
00018090	030-BENTOMAT ST	150	2250	3372	7531681		199847010	00002665	454802
LOT# 199851030									
00019319	030-BENTOMAT ST	150	2250	3260	7563650		199850010	00002818	458440
00019320	030-BENTOMAT ST	150	2250	3240	7563650		199850010	00002818	458440
00019323	030-BENTOMAT ST	150	2250	3288	7547972		199850010	00002818	458440
00019324	030-BENTOMAT ST	150	2250	3296	7547972		199850010	00002818	458440
00019325	030-BENTOMAT ST	150	2250	3309	7547972		199850010	00002818	458440

TOTAL SQUARE FEET..... 31.500

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098929

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199849030									
00018618	030-BENTOMAT ST	150	2250	3265	7550558		199849010	00002767	420683
00018706	030-BENTOMAT ST	150	2250	3291	7543225		199849010	00002778	420683
LOT# 199850030									
00018966	030-BENTOMAT ST	150	2250	3521	7523560		199850010	00002817	449540
LOT# 199851030									
00019306	030-BENTOMAT ST	150	2250	3220	7563650		199850010	00002843	453965
00019309	030-BENTOMAT ST	150	2250	3270	7563650		199850010	00002843	453965
00019310	030-BENTOMAT ST	150	2250	3269	7563650		199850010	00002818	458440
00019311	030-BENTOMAT ST	150	2250	3285	7563650		199850010	00002818	458440
00019312	030-BENTOMAT ST	150	2250	3260	7563650		199850010	00002818	458440
00019313	030-BENTOMAT ST	150	2250	3262	7563650		199850010	00002818	458440
00019314	030-BENTOMAT ST	150	2250	3274	7563650		199850010	00002818	458440
00019316	030-BENTOMAT ST	150	2250	3260	7563650		199850010	00002818	458440
00019318	030-BENTOMAT ST	150	2250	3269	7563650		199850010	00002818	458440
00019321	030-BENTOMAT ST	150	2250	3330	7547972		199850010	00002818	458440
00019328	030-BENTOMAT ST	150	2250	3308	7547972		199850010	00002818	458440

TOTAL SQUARE FEET..... 31.500

CERTIFICATION PACKAGE 23

01/21/99

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY

234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

21-Jan-99

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipments to Tomoka Farms LF, Daytona Beach, FL. These shipments left our CETCO - Fairmount, GA, plant on 1/20/99.

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

Printed on recycled paper.

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

Printed on recycled paper

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 98930,100905-100906

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**JANUARY 20,1999**
ORDER#(S):	**98930,100905-100906**
PRODUCT:	**BENTOMAT ST**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 21 **day of** Jan. ,19 99 .

Diane Hunsucker

Notary Public

OFFICIAL SEAL
DIANE B. HUNSUCKER
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 2, 2002

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT: Tomoka Farms LF

ORDER #: 98930,100905-100906

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

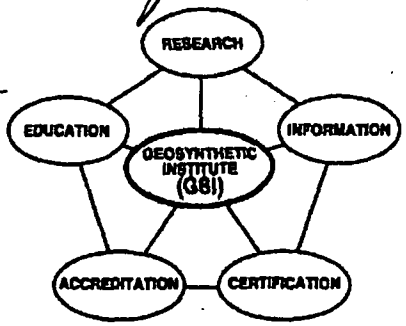
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willex
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 21 day of Jan. 19 99

Diane Hunsucker
Notary Public

OFFICIAL SEAL
DIANE B. HUNSUCKER
Notary Public, Georgia
GORDON County
My Commission Expires
Jan. 2, 2000



3

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1

CARRIER NAME: NATIONWIDE / Imperico

CONSIGNED TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL 32114
PHONE: (904) 947 2952

DELIVERING CARRIER:

DEL DATE: 1/21/99 SHIPPER'S NO: 00009893
SHIP DATE: 1/20/99

SHIPPER: CETCO
1350 W SHURE DR.
ARLINGTON HGTS IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT, GA
P.O. BOX 88
FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site #904 947 2952

LINE COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	KM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
~~29250~~		BENTOMAT ST	42445
3 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	3000
		CG-50 SEAMING CLAY (10902/024)	
60 Bags		CLAY-BENTONITE-GROUND (CLASS 50) 3295232	

(one pallet, load from side)

GROSS: .00 TARE: .00 NET: 45445

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC
(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.
COD charges to be paid by: Consignee

10:20

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except ~~as noted~~ (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Bynum

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

PACKING LIST

COLLOID ENVIRONMENTAL TECH CO
1500 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000098930
ORDER DATE:. 12/09/0019
SHIP DATE:. 1/2099

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199849030	00018846	150.0	15.0	2250.0	3306
030-BENTOMAT ST		SFT	SF 199850030	00018915	150.0	15.0	2250.0	3256
030-BENTOMAT ST		SFT	SF 199850030	00018916	150.0	15.0	2250.0	3242
030-BENTOMAT ST		SFT	SF 199850030	00018917	150.0	15.0	2250.0	3244
30-BENTOMAT ST		SFT	SF 199850030	00018918	150.0	15.0	2250.0	3246
030-BENTOMAT ST		SFT	SF 199850030	00019129	150.0	15.0	2250.0	3403
030-BENTOMAT ST		SFT	SF 199851030	00019523	150.0	15.0	2250.0	3341
030-BENTOMAT ST		SFT	SF 199851030	00019534	150.0	15.0	2250.0	3392
030-BENTOMAT ST		SFT	SF 199904030	00000028	150.0	15.0	2250.0	3227
030-BENTOMAT ST		SFT	SF 199904030	00000039	150.0	15.0	2250.0	3238
030-BENTOMAT ST		SFT	SF 199904030	00000044	150.0	15.0	2250.0	3200
030-BENTOMAT ST		SFT	SF 199904030	00000053	150.0	15.0	2250.0	3145
030-BENTOMAT ST		SFT	SF 199904030	00000055	150.0	15.0	2250.0	3205

ORDER TOTALS.....	29250.0	42445.
TOTAL ITEMS..... 13		

60 Bags

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

PAGE 1

CARRIER NAME: NATIONWIDE America

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA

1990 TOMOKA FARMS RD.

DEL DATE: 1/21/99 SHIPPER'S NO: 0001009(

SHIP DATE: 1/20/9

SHIPPER: Colloid Environmental

1350 West Shure Drive

Arlington Heights IL 60004

DAYTONA BEACH FL 32114

PHONE: (904) 947 2952

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA

P.O. BOX 88

FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site #904 947 2952

CUSTOMER COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500.0000		BENTOMAT ST	[redacted]
14 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	
CUSTOMER COMMENTS		additional 20 b/l's per alisa	
[redacted]		[redacted]	[redacted]

GROSS: .00 TARE: .00 NET: 45054

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

11:40

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Dale Fed

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1500 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000100905
ORDER DATE: 1/19/0019
SHIP DATE:. 1/2099

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199850030	00018920	150.0	15.0	2250.0	3276
030-BENTOMAT ST		SFT	SF 199850030	00018921	150.0	15.0	2250.0	3385
030-BENTOMAT ST		SFT	SF 199850030	00019130	150.0	15.0	2250.0	3401
030-BENTOMAT ST		SFT	SF 199904030	00000035	150.0	15.0	2250.0	3230
030-BENTOMAT ST		SFT	SF 199904030	00000036	150.0	15.0	2250.0	3273
030-BENTOMAT ST		SFT	SF 199904030	00000037	150.0	15.0	2250.0	3248
030-BENTOMAT ST		SFT	SF 199904030	00000042	150.0	15.0	2250.0	3214
030-BENTOMAT ST		SFT	SF 199904030	00000043	150.0	15.0	2250.0	3203
030-BENTOMAT ST		SFT	SF 199904030	00000045	150.0	15.0	2250.0	3211
030-BENTOMAT ST		SFT	SF 199904030	00000048	150.0	15.0	2250.0	3095
030-BENTOMAT ST		SFT	SF 199904030	00000049	150.0	15.0	2250.0	3066
030-BENTOMAT ST		SFT	SF 199904030	00000050	150.0	15.0	2250.0	3128
030-BENTOMAT ST		SFT	SF 199904030	00000051	150.0	15.0	2250.0	3164
030-BENTOMAT ST		SFT	SF 199904030	00000052	150.0	15.0	2250.0	3160
							========	=======
ORDER TOTALS.....							31500.0	45054.

TOTAL ITEMS..... 14

1 **STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE** PAGE 1 (

CARRIER NAME: NATIONWIDE Amrico **DELIVERING CARRIER:**

CONSIGNED TO: COUNTY OF VOLUSIA

1990 TOMOKA FARMS RD.

SHIPPER'S NO: 000100906

DEL DATE: 1/21/99 SHIP DATE: ~~1/20/99~~ 1/20/99

SHIPPER: Colloid Environmental

1350 West Shure Drive

Arlington Heights IL 60004

DAYTONA BEACH FL 32114

PHONE: (904) 947 2952

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA

P.O. BOX 88

FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site #904 947 2952

CUSTOMER COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500.0000		BENTOMAT ST	[redacted]
14 Rolls - 150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	

USTOMER COMMENTS additional 20 b/l's per alisa

[redacted]

CROSS: .00 TARE: .00 NET: 45535

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

11:40

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as it ...ntents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood ...is contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, ...e, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion ...d route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Kenny D. Elwood

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1500 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000100906
ORDER DATE: 1/19/0019
SHIP DATE:. 1/2099

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199850030	00018922	150.0	15.0	2250.0	3362
030-BENTOMAT ST		SFT	SF 199850030	00018939	150.0	15.0	2250.0	3373
030-BENTOMAT ST		SFT	SF 199850030	00019131	150.0	15.0	2250.0	3427
030-BENTOMAT ST		SFT	SF 199904030	00000026	150.0	15.0	2250.0	3202
30-BENTOMAT ST		SFT	SF 199904030	00000029	150.0	15.0	2250.0	3241
030-BENTOMAT ST		SFT	SF 199904030	00000030	150.0	15.0	2250.0	3254
030-BENTOMAT ST		SFT	SF 199904030	00000031	150.0	15.0	2250.0	3245
030-BENTOMAT ST		SFT	SF 199904030	00000032	150.0	15.0	2250.0	3243
030-BENTOMAT ST		SFT	SF 199904030	00000033	150.0	15.0	2250.0	3265
030-BENTOMAT ST		SFT	SF 199904030	00000034	150.0	15.0	2250.0	3218
030-BENTOMAT ST		SFT	SF 199904030	00000038	150.0	15.0	2250.0	3222
030-BENTOMAT ST		SFT	SF 199904030	00000040	150.0	15.0	2250.0	3221
030-BENTOMAT ST		SFT	SF 199904030	00000041	150.0	15.0	2250.0	3160
030-BENTOMAT ST		SFT	SF 199904030	00000047	150.0	15.0	2250.0	3102
							========	=======
ORDER TOTALS.....							31500.0	45535.

TOTAL ITEMS..... 14

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098930

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
)30-BENTOMAT ST	199904030	00000055	.96	18.40	93.80	20.00
)30-BENTOMAT ST	199904030	00000053	.96	18.40	93.80	20.00
)30-BENTOMAT ST	199904030	00000044	.96*	18.40	93.80	20.00*
)30-BENTOMAT ST	199904030	00000039	1.04	18.40	93.80	26.70
)30-BENTOMAT ST	199904030	00000028	1.04	18.40*	93.80*	23.10*
)30-BENTOMAT ST	199851030	00019534	1.08	17.60	131.50	30.80
)30-BENTOMAT ST	199851030	00019523	1.08	17.60	131.50	25.00
)30-BENTOMAT ST	199850030	00019129	1.15	14.00	108.00	25.80
)30-BENTOMAT ST	199850030	00018918	1.03	15.20	113.70	17.40
)30-BENTOMAT ST	199850030	00018917	1.03	15.20	113.70	17.40
)30-BENTOMAT ST	199850030	00018916	1.03	15.20	113.70	17.40
)30-BENTOMAT ST	199850030	00018915	1.03	15.20	113.70	17.40
)30-BENTOMAT ST	199849030	00018846	1.18	15.20	113.70	26.20

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000100905

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199904030	00000052	.96	18.40	93.80	20.00
030-BENTOMAT ST	199904030	00000051	.96	18.40	93.80	20.00
030-BENTOMAT ST	199904030	00000050	.96	18.40	93.80	20.00
030-BENTOMAT ST	199904030	00000049	.96	18.40	93.80	20.00
030-BENTOMAT ST	199904030	00000048	.96	18.40	93.80	20.00
030-BENTOMAT ST	199904030	00000045	.96	18.40	93.80	20.00
030-BENTOMAT ST	199904030	00000043	1.04	18.40	93.80	26.70
030-BENTOMAT ST	199904030	00000042	1.04	18.40	93.80	26.70
030-BENTOMAT ST	199904030	00000037	1.04	18.40	93.80	26.70
030-BENTOMAT ST	199904030	00000036	1.04	18.40	93.80	26.70*
030-BENTOMAT ST	199904030	00000035	1.04	18.40	93.80	23.10
030-BENTOMAT ST	199850030	00019130	1.14*	14.00	108.00	23.80*
030-BENTOMAT ST	199850030	00018921	1.08	15.60	112.60	28.60
030-BENTOMAT ST	199850030	00018920	1.08	15.60	112.60	28.60

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

QCG#FT2 QCT#FT2
1/21/99 8:21:59

COLLOID ENVIRONMENTAL TECH CO

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000100906

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
030-BENTOMAT ST	199904030	00000047	.96	18.40	93.80	20.00
030-BENTOMAT ST	199904030	00000041	1.04	18.40	93.80	26.70
030-BENTOMAT ST	199904030	00000040	1.04	18.40	93.80	26.70
030-BENTOMAT ST	199904030	00000038	1.04	18.40	93.80	26.70
030-BENTOMAT ST	199904030	00000034	1.04	18.40	93.80	23.10
030-BENTOMAT ST	199904030	00000033	1.04	18.40	93.80	23.10
030-BENTOMAT ST	199904030	00000032	1.04	18.40	93.80	23.10
030-BENTOMAT ST	199904030	00000031	1.04	18.40	93.80	23.10
030-BENTOMAT ST	199904030	00000030	1.04	18.40	93.80	23.10
030-BENTOMAT ST	199904030	00000029	1.04	18.40	93.80	23.10
030-BENTOMAT ST	199904030	00000026	1.04	12.80	99.60	16.30
030-BENTOMAT ST	199850030	00019131	1.14	14.00	108.00	23.80
030-BENTOMAT ST	199850030	00018939	1.08	15.60	112.60	16.50
030-BENTOMAT ST	199850030	00018922	1.08	15.60	112.60	28.60

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

QCG#TF3 QCT#TF3
1/21/99 8:21:42

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000098930

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199849010	00002791	6.5	15.8	132.9
030-NON-WOVEN	199849010	00002799	6.8	17.2	145.0
030-NON-WOVEN	199849010	00002808	6.5	13.2	107.6
030-NON-WOVEN	199850010	00002838	6.2	25.4	147.1
030-NON-WOVEN	199851010	00002869	7.1	26.7	137.4
030-NON-WOVEN	199902010	00000021	6.6	20.3	115.3
030-NON-WOVEN	199902010	00000059	6.6	20.3	115.3
030-NON-WOVEN	199902010	00000092	6.6	20.3	115.3
030-NON-WOVEN	199903010	00000049	6.6	20.3	115.3

TOTAL PAGES 1

QCG#TF3 QCT#TF3
1/21/99 8:21:51

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000100905

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199849010	00002799	6.8	17.2	145.0
030-NON-WOVEN	199850010	00002838	6.2	25.4	147.1
030-NON-WOVEN	199902010	00000059	6.6	20.3	115.3
030-NON-WOVEN	199902010	00000092	6.6	20.3	115.3
030-NON-WOVEN	199903010	00000049	6.6	20.3	115.3

TOTAL PAGES 1

QCG#TF3 QCT#TF3
1/21/99 8:22:00

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000100906

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199849010	00002794	6.5	15.8	132.9
030-NON-WOVEN	199849010	00002799	6.8	17.2	145.0
030-NON-WOVEN	199850010	00002838	6.2	25.4	147.1
030-NON-WOVEN	199902010	00000021	6.6	20.3	115.3
030-NON-WOVEN	199902010	00000059	6.6	20.3	115.3
030-NON-WOVEN	199902010	00000092	6.6	20.3	115.3

TOTAL PAGES 1

SYNTHETIC INDUSTRIES

November 16, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180411
PO# O-DH1-23130

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

ISO 9002 CERTIFIED World Class Quality

BOL:180411

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7519519	157 x 148	20 x 22	333	3.4
7523553	153 x 135	19 x 20	303	3.3
7523556	157 x 139	21 x 22	315	3.3
7523562	158 x 135	20 x 20	317	3.2
7523565	158 x 151	21 x 22	327	3.4
7524243	156 x 147	21 x 22	344	3.3
7524343	158 x 143	20 x 21	316	3.3
7524344	159 x 143	22 x 21	301	3.3
7524451	167 x 165	22 x 23	310	3.4
7524452	166 x 156	23 x 22	326	3.4
7524454	159 x 158	21 x 25	316	3.4
7524455	167 x 161	21 x 27	326	3.4
7524611	171 x 161	22 x 25	307	3.5
7525164	177 x 150	23 x 23	328	3.3
7528163	156 x 147	20 x 26	336	3.4
7528170	145 x 141	27 x 21	331	3.4
7528297	166 x 152	22 x 22	348	3.4
7528299	161 x 145	21 x 20	349	3.4
7531672	158 x 174	21 x 25	333	3.5
7533155	179 x 165	23 x 27	352	3.4
7533304	147 x 135	19 x 19	315	3.2
7533306	149 x 143	19 x 21	322	3.3

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES
Geosynthetic Products Division

November 18, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #180537
PO# O-DH1-23189

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:180537

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
291948	158 x 150	21 x 21	326	3.5
7523558	149 x 141	20 x 21	309	3.3
7523559	150 x 139	20 x 22	280	3.3
7523560	149 x 146	21 x 32	327	3.9
7524245	164 x 153	21 x 23	339	3.5
7524453	160 x 152	20 x 22	313	3.4
7524609	166 x 144	22 x 24	327	3.3
7528164	148 x 135	18 x 19	290	3.4
7528165	164 x 138	19 x 21	308	3.4
7528169	160 x 148	21 x 22	329	3.4
7528301	158 x 136	20 x 22	342	3.3
7528302	169 x 146	21 x 21	335	3.4
7531676	165 x 159	22 x 24	329	3.4
7531677	168 x 145	22 x 20	355	3.3
7532892	151 x 162	19 x 21	331	3.6
7533157	161 x 155	22 x 23	325	3.4
7533158	165 x 144	23 x 21	318	3.4
7533307	154 x 150	21 x 22	314	3.4
7540443	156 x 141	21 x 22	298	3.3
7540445	147 x 142	20 x 23	308	3.4
7540564	144 x 140	19 x 21	303	3.3
7541291	166 x 162	21 x 23	315	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

ISO 9002 CERTIFIED World Class Quality

December 2, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #181011
PO# O-DH1-23398/99

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

ISO 9002 CERTIFIED World Class Quality

BOL:181011

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7543102	161 x 144	21 x 20	295	3.4
7543104	159 x 140	21 x 21	318	3.3
7543225	149 x 136	19 x 21	318	3.4
7543226	160 x 142	22 x 23	319	3.5
7544896	163 x 147	23 x 21	301	3.4
7545674	151 x 145	22 x 23	312	3.4
7545680	164 x 152	22 x 22	316	3.4
7547965	162 x 147	21 x 22	325	3.4
7547966	155 x 150	21 x 22	319	3.4
7547967	162 x 142	24 x 21	325	3.4
7550558	145 x 148	23 x 22	313	3.4
7550564	148 x 142	21 x 22	319	3.5
7550565	147 x 137	22 x 22	304	3.4
7552529	149 x 145	19 x 22	304	3.4
7552531	155 x 145	23 x 24	322	3.4
7552765	143 x 149	22 x 21	300	3.5
7554708	155 x 137	21 x 22	322	3.3
7554914	157 x 148	22 x 21	304	3.4
7555186	153 x 154	22 x 22	295	3.6
7555187	157 x 170	23 x 22	341	3.6
7555188	160 x 160	23 x 21	307	3.6
7555189	155 x 159	21 x 22	329	3.5

Synthetic Industries, Inc.
309 Lafayette Road • Chickamauga, GA 30707
Telephone • 706-375-3121 • Fax • 706-375-6953

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

ISO 9002 CERTIFIED World Class Quality

December 15, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #181513
PO# O-OCW-23606

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:181513

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7552768	152 x 158	23 x 22	318	3.5
7560320	151 x 138	21 x 22	300	3.4
7560321	148 x 136	22 x 20	307	3.2
7561215	135 x 140	19 x 21	311	3.4
7561217	156 x 146	21 x 20	304	3.4
7561218	152 x 135	22 x 21	301	3.4
7562321	155 x 143	21 x 20	310	3.4
7562322	154 x 150	22 x 20	318	3.4
7562324	147 x 153	21 x 23	299	3.5
7562325	156 x 143	22 x 22	321	3.5
7562326	149 x 141	21 x 21	310	3.3
7562483	166 x 143	21 x 20	309	3.3
7562484	156 x 136	22 x 20	309	3.4
7562485	158 x 137	21 x 22	301	3.3
7562486	159 x 136	21 x 20	331	3.3
7562487	158 x 144	20 x 20	323	3.5
7562860	157 x 140	22 x 20	318	3.4
7562861	152 x 135	19 x 20	299	3.2
7562862	152 x 148	19 x 21	303	3.2
7563354	164 x 159	22 x 23	331	3.5
7563356	158 x 150	21 x 20	325	3.3
7563359	163 x 152	21 x 23	298	3.3
7563360	156 x 157	21 x 24	319	3.4
7563361	162 x 149	22 x 20	347	3.5
7563654	145 x 141	19 x 24	315	3.4
7563655	157 x 147	20 x 24	281	3.4
7563656	151 x 146	19 x 20	325	3.4
7563890	157 x 136	23 x 20	307	3.3
7570289	155 x 150	22 x 22	326	3.4
7570290	152 x 147	21 x 20	331	3.4
7570292	149 x 141	20 x 22	299	3.4
7570293	158 x 139	22 x 20	335	3.4
7570479	141 x 143	20 x 22	324	3.4
7570480	160 x 147	21 x 21	311	3.4
7570482	153 x 155	21 x 21	303	3.5
7575835	152 x 139	21 x 20	315	3.5
7575836	143 x 139	21 x 21	337	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

December 14, 1998

Cetco / Fairmount
Cynthia Willix
PO Box 88
Fairmount GA 30139
BoL; 626120 PO O-0CW-23605

This is to certify that Product GEOTEX™ 650, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2
Thickness	ASTM D-5199	120 mils
Tensile Strength	ASTM D-4632	45 lbs
Elongation	ASTM D-4632	90 %
Trapezoidal Tear	ASTM D-4533	25 lbs
Mullen Burst	ASTM D-3786	190 psi
Puncture Strength	ASTM D-4833	50 lbs

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1897*

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0111 • Fax • 423-899-7618 • 1-800-621-0111

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 16-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **10-Nov-98**
in **BN 453805**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.3
MOISTURE	ASTM D 2216	12.0% MAX.	8
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95940**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 29-Dec-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **13-Dec-98**
in **BN 446191**
as requested on your order no. **VERBAL** .

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.5
MOISTURE	ASTM D 2216	12.0% MAX.	8
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **99211**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 11-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **09-Nov-98**
in **ATSF 315077**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.2
MOISTURE	ASTM D 2216	12.0% MAX.	10
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **95938**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 16-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **11-Nov-98**
in **BN 453861**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.4
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	25
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.2

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **95943**

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 24-Nov-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **19-Nov-98**
in **BN 453493.**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.6
MOISTURE	ASTM D 2216	12.0% MAX.	6.8
FREE SWELL	ASTM D 5890	24 MIN.	26
FLUID LOSS	ASTM D 5891	18.0 MAX.	13.4

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.C.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our Order Number **95955**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

A Wholly Owned Subsidiary of AMCOL International

Printed on recycled paper.

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000098930

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199849030									
00018846	030-BENTOMAT ST	150	2250	3306	7524451		199849010	00002808	453805
LOT# 199850030									
00018915	030-BENTOMAT ST	150	2250	3256	7531676		199849010	00002791	315077
00018916	030-BENTOMAT ST	150	2250	3242	7531676		199849010	00002799	315077
00018917	030-BENTOMAT ST	150	2250	3244	7531676		199849010	00002799	315077
00018918	030-BENTOMAT ST	150	2250	3246	7531676		199849010	00002799	315077
00019129	030-BENTOMAT ST	150	2250	3403	7562284		199850010	00002838	453861
LOT# 199851030									
00019523	030-BENTOMAT ST	150	2250	3341	7562483		B801981A		453493
00019534	030-BENTOMAT ST	150	2250	3392	7562484		199851010	00002869	453493
LOT# 199904030									
00000028	030-BENTOMAT ST	150	2250	3227	7563361		199902010	00000021	446191
00000039	030-BENTOMAT ST	150	2250	3238	7563361		199902010	00000092	446191
00000044	030-BENTOMAT ST	150	2250	3200	7562485		199902010	00000059	446191
00000053	030-BENTOMAT ST	150	2250	3145	7562485		199903010	00000049	446191
00000055	030-BENTOMAT ST	150	2250	3205	7562485		199903010	00000049	446191

TOTAL SQUARE FEET..... 29,250

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000100905

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199850030									
00018920	030-BENTOMAT ST	150	2250	3276	7555187		199849010	00002799	315077
00018921	030-BENTOMAT ST	150	2250	3385	7555187		199849010	00002799	315077
00019130	030-BENTOMAT ST	150	2250	3401	7562284		199850010	00002838	453861
LOT# 199904030									
00000035	030-BENTOMAT ST	150	2250	3230	7563361		199902010	00000092	446191
00000036	030-BENTOMAT ST	150	2250	3273	7563361		199902010	00000092	446191
00000037	030-BENTOMAT ST	150	2250	3248	7563361		199902010	00000092	446191
00000042	030-BENTOMAT ST	150	2250	3214	7562485		199902010	00000059	446191
00000043	030-BENTOMAT ST	150	2250	3203	7562485		199902010	00000059	446191
00000045	030-BENTOMAT ST	150	2250	3211	7562485		199902010	00000059	446191
00000048	030-BENTOMAT ST	150	2250	3095	7562485		199902010	00000059	446191
00000049	030-BENTOMAT ST	150	2250	3066	7562485		199902010	00000059	446191
00000050	030-BENTOMAT ST	150	2250	3128	7562485		199903010	00000049	446191
00000051	030-BENTOMAT ST	150	2250	3164	7562485		199903010	00000049	446191
00000052	030-BENTOMAT ST	150	2250	3160	7562485		199903010	00000049	446191

TOTAL SQUARE FEET..... 31.500

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000100906

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199850030									
00018922	030-BENTOMAT ST	150	2250	3362	7555187		199849010	00002799	315077
00018939	030-BENTOMAT ST	150	2250	3373	7540564		199849010	00002794	315077
00019131	030-BENTOMAT ST	150	2250	3427	7562284		199850010	00002838	453861
LOT# 199904030									
00000026	030-BENTOMAT ST	150	2250	3202	7563361		199902010	00000021	446191
00000029	030-BENTOMAT ST	150	2250	3241	7563361		199902010	00000021	446191
00000030	030-BENTOMAT ST	150	2250	3254	7563361		199902010	00000092	446191
00000031	030-BENTOMAT ST	150	2250	3245	7563361		199902010	00000092	446191
00000032	030-BENTOMAT ST	150	2250	3243	7563361		199902010	00000092	446191
00000033	030-BENTOMAT ST	150	2250	3265	7563361		199902010	00000092	446191
00000034	030-BENTOMAT ST	150	2250	3218	7563361		199902010	00000092	446191
00000038	030-BENTOMAT ST	150	2250	3222	7563361		199902010	00000092	446191
00000040	030-BENTOMAT ST	150	2250	3221	7562485		199902010	00000059	446191
00000041	030-BENTOMAT ST	150	2250	3160	7562485		199902010	00000059	446191
00000047	030-BENTOMAT ST	150	2250	3102	7562485		199902010	00000059	446191

TOTAL SQUARE FEET..... 31.500

TOTAL PAGES 1

CERTIFICATION PACKAGE 24

01/22/99

CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY
234 Gordon Street • Fairmount, GA 30139 • USA
(706) 337-5316 • Fax (706) 337-7334

22-Jan-99

Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

Dear Mr. Powell:

Please find enclosed the MQA/MQC Data Package for Geosynthetic Clay Liner (GCL) shipment to Tomoka Farms LF, Daytona Beach, FL. This shipment left our CETCO - Fairmount, GA, plant on 1/21/99.

If you have any questions regarding the enclosed QA/QC information, please contact Mr. Derek Reece @ 1-800-220-2536.

Sincerely,

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator

Printed on recycled paper.

CETCO

GEOSYNTHETIC CLAY LINER

MANUFACTURING QA/QC DATA PACKAGE

PROJECT NAME: Tomoka Farms LF

PREPARED FOR:
Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PREPARED BY:
Cynthia Willix
CETCO
P. O. Box 88
234 Gordon Street
Fairmount, GA 30139
Telephone # (706) 337-5316
Fax # (706) 337-2215

A Wholly Owned Subsidiary of AMCOL International Printed on recycled paper

CETCO

GEOSYNTHETIC CLAY LINER

DAILY MANUFACTURING QA/QC DATA

FOR ALL GCL MANUFACTURED ON:

TOMOKA FARMS LF
DAYTONA BEACH, FL
CUSTOMER PO# PA74051
ORDER# 100907-100908

CONTENTS:

1. **DAILY GCL PRODUCTION CERTIFICATION**
2. **GCL MANUFACTURING CERTIFICATON AND TEST RESULTS**
3. **GCL MQA TRACKING FORM**

Printed on recycled paper

CETCO

DAILY GEOSYNTHETIC CLAY LINER PRODUCTION CERTIFICATION

CETCO

GEOSYNTHETIC CLAY LINER MANUFACTURING CERTIFICATION

CETCO JOB:	**TOMOKA FARMS LF**
DATE:	**JANUARY 21,1999**
ORDER#(S):	**100907-100908**
PRODUCT:	**BENTOMAT ST**

Colloid Environmental Technologies Company (CETCO) hereby affirms and certifies that all of the Geosynthetic Clay Liner (GCL) manufactured in this lot achieves the physical and chemical criteria listed on the attached analysis sheets.

Cynthia Willix

Cynthia Willix
Quality Assurance Coordinator
CETCO

Subscribed and sworn to before me this 22 **day of** Jan., **19**99.

Judy Hall

Notary Public

OFFICIAL SEAL
JUDY HALL
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002

CETCO

BENTOMAT ST
MANUFACTURING CERTIFICATION

TO: Mr. Lee Powell
SCS Engineer
555 W. Granada Blvd.
Suite E4
Ormond Beach, FL 32174

PROJECT: Tomoka Farms LF

ORDER #: 100907-100908

CETCO hereby affirms and certifies that Bentomat ST material supplied to this project will meet the physical criteria listed below:

PROPERTY	TEST METHOD	MINIMUM VALUE
Finished Product		
Bentonite Mass/Area	ASTM D 5993*	0.75 lb/sq.ft. min.
Grab Strength	ASTM D 4632	90 lbs. MARV
Grab Elongation	ASTM D 4632	10% typical
Index Flux	ASTM D 5887	1 x 10(-8) m3/m2/sec (max.)
Peel Strength	ASTM D 4632(modified)	15 lbs. min.
Permeabilty	ASTM D 5084	max. 5 x 10(-9) cm/sec

* Reported at 0% moisture content.

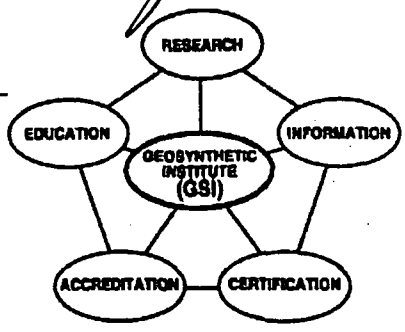
GAI Lab Accredited Test Methods were followed during confromance testing for :
ASTM D 5993 - Bentonite Mass/Area
ASTM D 4632 - Grab Strength and Grab Elongation

Cynthia Willis
Colloid Environmental Technologies Co. (CETCO)

Subscribed and sworn to before me this 22 day of Jan. 19 99

Judy Hall
Notary Public

OFFICIAL SEAL
JUDY HALL
Notary Public, Georgia
GORDON COUNTY
My Commission Expires
Jan. 7, 2002



Printed on recycled paper

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

CARRIER NAME: NATIONWIDE / Riddle

DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA

1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PHONE: (904) 947 2952

DEL DATE: 12/29/99 SHIPPER'S NO: 00010090

SHIP DATE: 12/21/99

SHIPPER: Colloid Environmental

1350 West Shure Drive

Arlington Heights IL 60004

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051

CAR/VEHICLE#:

SHIPPING PLANT: FAIRMOUNT,GA

P.O. BOX 88

FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site #904 947 2952

CUSTOMER COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
31500.0000		BENTOMAT ST	[redacted]
14 Rolls-150'		CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	

CUSTOMER COMMENTS additional 20 b/l's per alisa

[redacted]

GROSS: .00 TARE: .00 NET: 45426 [redacted]

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

2135

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RE[illegible], subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except [illegible]ontents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood [illegible] this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, [illegible] its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion [illegible] said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER: Riddle

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

P A C K I N G L I S T

COLLOID ENVIRONMENTAL TECH CO
1500 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:. 000100907
ORDER DATE:. 1/19/0019
SHIP DATE:. 1/2199

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199904030	00000078	150.0	15.0	2250.0	3422
030-BENTOMAT ST		SFT	SF 199904030	00000079	150.0	15.0	2250.0	3365
030-BENTOMAT ST		SFT	SF 199904030	00000090	150.0	15.0	2250.0	3207
030-BENTOMAT ST		SFT	SF 199904030	00000091	150.0	15.0	2250.0	3239
30-BENTOMAT ST		SFT	SF 199904030	00000094	150.0	15.0	2250.0	3329
030-BENTOMAT ST		SFT	SF 199904030	00000095	150.0	15.0	2250.0	3230
030-BENTOMAT ST		SFT	SF 199904030	00000096	150.0	15.0	2250.0	3192
030-BENTOMAT ST		SFT	SF 199904030	00000099	150.0	15.0	2250.0	3220
030-BENTOMAT ST		SFT	SF 199904030	00000100	150.0	15.0	2250.0	3207
030-BENTOMAT ST		SFT	SF 199904030	00000101	150.0	15.0	2250.0	3279
030-BENTOMAT ST		SFT	SF 199904030	00000102	150.0	15.0	2250.0	3214
030-BENTOMAT ST		SFT	SF 199904030	00000103	150.0	15.0	2250.0	3173
030-BENTOMAT ST		SFT	SF 199904030	00000104	150.0	15.0	2250.0	3186
030-BENTOMAT ST		SFT	SF 199904030	00000105	150.0	15.0	2250.0	3162
							========	=======
ORDER TOTALS.....							31500.0	45425.

TOTAL ITEMS..... 14

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE PAGE 1

CARRIER NAME: NATIONWIDE / Rampage DELIVERING CARRIER:

CONSIGNED TO: COUNTY OF VOLUSIA 1/22/99 SHIPPER'S NO: 00010090

1990 TOMOKA FARMS RD. DEL DATE: [redacted] SHIP DATE: 1/21

SHIPPER: Colloid Environmental

1350 West Shure Drive

DAYTONA BEACH FL 32114 Arlington Heights IL 60004

PHONE: (904) 947 2952

SOLDTO: 607 SHIPTO: 01

CONSIGNED P.O.#: PA74051 SHIPPING PLANT: FAIRMOUNT,GA

CAR/VEHICLE#: P.O. BOX 88

FAIRMOUNT GA 30139

ROUTING/CONTRACT:

Site # 904 947 2952

CUSTOMER COMMENTS ALL BAGGED SHIPMENTS LOADED ON FLATBED OR OPEN TOP TRAILERS MUST BE COVERED WITH ADEQUATE TARPAULIN PRIOR TO HIGHWAY MOVEMENT. CARRIER WILL BE HELD FULLY RESPONSIBLE FOR LOSS OR DAMAGE OCCURRING TO UNPROTECTED LOADS.

QUANTITY	HM	DESCRIPTION OF ARTICLES PROD DESCRIPTION	WEIGHT (SUBJECT TO CORRECTION)
29250			
13 Rolls-150'		BENTOMAT ST CLOTH, SYNTHETIC FIBRE, NOT WOVEN, KNITTED NOR STITCHED	43251
		CUSTOMER COMMENTS additional 20 b/l's per alisa	
[redacted]			3000
60 Bags		CG-50 SEAMING CLAY (10902/024) CLAY-BENTONITE-GROUND (CLASS 50) 3295232	
(one pallet, load from side)			
GROSS:	.00	TARE: .00	NET: 46251

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

COLLOID ENVIRONMENTAL TEC

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "Prepaid."

PREPAID

Shipper liable for line haul charges only.

COD charges to be paid by: Consignee

10:00

*MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as * *contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, As, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion ...s route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CARRIER:

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO—FURNISHED BY CARRIER

DRIVERS SIGNATURE:

PACKING LIST

COLLOID ENVIRONMENTAL TECH CO
1500 WEST SHURE DRIVE
ARLINGTON HEIGHTS IL 60004

ORDER NO:.. 000100908
ORDER DATE:. 1/19/0019
SHIP DATE:. 1/2199

SOLD TO: 607
VOLUSIA COUNTY
SOLID WASTE MANAGEMENT
123 W. INDIANA AVE.,2ND FLOOR

DELAND FL 32720-4262

SHIP FROM:. FAIRMOUNT,GA
FRT TERMS:. PREPAID & ABSORBED
SHIP VIA:.. NATIONWIDE

SHIP TO: 01
COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.

DAYTONA BEACH FL 32114

PO: PA74051

PRODUCT	SIZE	U/M	LOT #	ROLL#	LNGTH	WIDTH	SHIP QTY	WEIGH
030-BENTOMAT ST		SFT	SF 199904030	00000066	150.0	15.0	2250.0	3125
030-BENTOMAT ST		SFT	SF 199904030	00000074	150.0	15.0	2250.0	3301
030-BENTOMAT ST		SFT	SF 199904030	00000075	150.0	15.0	2250.0	3292
030-BENTOMAT ST		SFT	SF 199904030	00000076	150.0	15.0	2250.0	3331
30-BENTOMAT ST		SFT	SF 199904030	00000080	150.0	15.0	2250.0	3346
030-BENTOMAT ST		SFT	SF 199904030	00000081	150.0	15.0	2250.0	3496
030-BENTOMAT ST		SFT	SF 199904030	00000082	150.0	15.0	2250.0	3350
030-BENTOMAT ST		SFT	SF 199904030	00000083	150.0	15.0	2250.0	3525
030-BENTOMAT ST		SFT	SF 199904030	00000084	150.0	15.0	2250.0	3426
030-BENTOMAT ST		SFT	SF 199904030	00000085	150.0	15.0	2250.0	3453
030-BENTOMAT ST		SFT	SF 199904030	00000086	150.0	15.0	2250.0	3199
030-BENTOMAT ST		SFT	SF 199904030	00000092	150.0	15.0	2250.0	3205
030-BENTOMAT ST		SFT	SF 199904030	00000093	150.0	15.0	2250.0	3202

ORDER TOTALS.....	29250.0	43251.
TOTAL ITEMS..... 13		

60 Bags

CETCO

GEOSYNTHETIC CLAY LINER QUALITY TEST RESULTS

Printed on recycled paper.

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000100907

ATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
30-BENTOMAT ST	199904030	00000105	1.09	18.40	101.00	24.90
30-BENTOMAT ST	199904030	00000104	1.09	18.40	101.00	24.90
30-BENTOMAT ST	199904030	00000103	1.09	18.40	101.00	24.90
30-BENTOMAT ST	199904030	00000102	1.09	18.40	101.00	24.90
30-BENTOMAT ST	199904030	00000101	1.09	18.40	101.00	24.90
30-BENTOMAT ST	199904030	00000100	1.09	18.40	101.00	24.90
30-BENTOMAT ST	199904030	00000099	1.09*	18.40	101.00	24.90*
30-BENTOMAT ST	199904030	00000096	1.21	18.40	101.00	24.40
30-BENTOMAT ST	199904030	00000095	1.21	18.40	101.00	24.40
30-BENTOMAT ST	199904030	00000094	1.21	18.40	101.00	24.40
30-BENTOMAT ST	199904030	00000091	1.21	18.40	101.00	24.40
30-BENTOMAT ST	199904030	00000090	1.21*	18.40*	101.00*	24.40*
30-BENTOMAT ST	199904030	00000079	1.15*	12.40	95.20	17.00*
30-BENTOMAT ST	199904030	00000078	1.05	12.40	95.20	25.20

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

QCG#FT2 QCT#FT2
1/22/99 7:07:51

COLLOID ENVIRONMENTAL TECH CO

GCL QUALITY DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000100908

MATERIAL	LOT No.	ROLL No	BENTONITE MASS/AREA 0.75 lb/sqft ASTM D 5993	GRAB ELONGATION 10% Typical ASTM D 4632	GRAB STRENGTH 90 lbs ASTM D 4632	PEEL STRENGTH 15 lbs ASTM D 4632
130-BENTOMAT ST	199904030	00000093	1.21	18.40	101.00	24.40
130-BENTOMAT ST	199904030	00000092	1.21	18.40	101.00	24.40
130-BENTOMAT ST	199904030	00000086	1.15	12.40	95.20	17.00
130-BENTOMAT ST	199904030	00000085	1.15	12.40	95.20	17.00
130-BENTOMAT ST	199904030	00000084	1.15	12.40	95.20	17.00
130-BENTOMAT ST	199904030	00000083	1.15	12.40	95.20	17.00
130-BENTOMAT ST	199904030	00000082	1.15	12.40	95.20	17.00
130-BENTOMAT ST	199904030	00000081	1.15	12.40	95.20	17.00
130-BENTOMAT ST	199904030	00000080	1.15	12.40	95.20	17.00
130-BENTOMAT ST	199904030	00000076	1.05	12.40	95.20	25.20
130-BENTOMAT ST	199904030	00000075	1.05	12.40	95.20	25.20
130-BENTOMAT ST	199904030	00000074	1.05	12.40	95.20	25.20
130-BENTOMAT ST	199904030	00000066	1.05	12.40	95.20	29.80

NOTE:

An asterisk indicates the actual test done on the roll and the roll tested.
If an asterisk is not present, test results are based on the previous roll tested.
Mass Area and Moisture content are tested a minimum of every 40,000sf.
Grab Strength is tested a minimum of every 200,000sf.
Bentonite Mass/Area is reported at 0% moisture cont ent.
Grab Elongation is tested a minimum of every 200,000sf.

*** End of Report ***

QCG#TF3 QCT#TF3
1/22/99 7:07:44

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000100907

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199902010	00000015	6.6	20.3	115.3
030-NON-WOVEN	199902010	00000019	6.6	20.3	115.3
030-NON-WOVEN	199902010	00000044	6.6	20.3	115.3
030-NON-WOVEN	199903010	00000053	6.6	20.3	115.3

TOTAL PAGES 1

QCG#TF3 QCT#TF3
1/22/99 7:07:51

COLLOID ENVIRONMENTAL TECH CO
GEOTEXTILE QC DATA

FAIRMOUNT,GA
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

O R D E R # 000100908

MATERIAL	LOT#	ROLL#	GEOTEXTILE 6.0oz/sy mv ASTM D 5261	GRAB STRENGTH 6.0 lbs marv ASTM D 4632	GRAB ELONGATION 150% marv ASTM D 4632
030-NON-WOVEN	199902010	00000015	6.6	20.3	115.3
030-NON-WOVEN	199902010	00000019	6.6	20.3	115.3
030-NON-WOVEN	199903010	00000053	6.6	20.3	115.3
030-NON-WOVEN	199903010	00000056	6.6	20.3	115.3
030-NON-WOVEN	199903010	00000102	6.6	20.3	115.3

TOTAL PAGES 1

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

December 15, 1998

American Coloid-Fairmont, GA
P.O. Box 88
234 Gordon Street
Fairmont, Ga. 30139

RE: Bill Of Lading #181513
PO# O-OCW-23606

This is to certify that Style 82 Tex, a woven polyppylene fabric produced by Synthetic Industries, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
MASS PER UNIT AREA	ASTM D-5261	3.2 oz/yd^2	105 g/m^2
THICKNESS	ASTM D-5199	16 mils	0.4 mm
TENSILE STRENGTH	ASTM D-4632	135 X 135 LBS	600 X 600 N
ELONGATION	ASTM D-4632	15 X 15 %	
WIDE WIDTH TENSILE STRENGTH	ASTM D-4595	70 X 70 LBS/IN	12 X 12 kN/M
PUNCTURE STRENGTH	ASTM D-4833	70 LBS	310 N
MULLEN BURST	ASTM D-3786	265 PSI	1820 kPa
TRAPEZOIDAL TEAR	ASTM D-4533	45 X 45 LBS	200 X 200 N
A.O.S.	ASTM D-4751	40 US STD SIEVE	0.425 mm
PERMITTIVITY	ASTM D-4491	0.08 SEC^{-1}	
PERMEABILITY	ASTM D-4491	0.004 cm/sec	
UV RESISTANCE	ASTM D-4355	90 %	

(Strength Retained After 150 Hours Xenon Arc Weatherometer)

Sincerely,

Warren Sickler
Technical Manager, Woven Geotextile Products

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 04/19/96.

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

BOL:181513

Style: 82-TEX

ROLL #	ASTM D-4632 GRAB TENSILE (LBS) W x F	ASTM D-4632 ELONGATION (%) W x F	ASTM D-3786 MULLEN BURST PSI	ASTM D-5261 MASS/UNIT AREA OZ/SQ YARD
7552768	152 x 158	23 x 22	318	3.5
7560320	151 x 138	21 x 22	300	3.4
7560321	148 x 136	22 x 20	307	3.2
7561215	135 x 140	19 x 21	311	3.4
7561217	156 x 146	21 x 20	304	3.4
7561218	152 x 135	22 x 21	301	3.4
7562321	155 x 143	21 x 20	310	3.4
7562322	154 x 150	22 x 20	318	3.4
7562324	147 x 153	21 x 23	299	3.5
7562325	156 x 143	22 x 22	321	3.5
7562326	149 x 141	21 x 21	310	3.3
7562483	166 x 143	21 x 20	309	3.3
7562484	156 x 136	22 x 20	309	3.4
7562485	158 x 137	21 x 22	301	3.3
7562486	159 x 136	21 x 20	331	3.3
7562487	158 x 144	20 x 20	323	3.5
7562860	157 x 140	22 x 20	318	3.4
7562861	152 x 135	19 x 20	299	3.2
7562862	152 x 148	19 x 21	303	3.2
7563354	164 x 159	22 x 23	331	3.5
7563356	158 x 150	21 x 20	325	3.3
7563359	163 x 152	21 x 23	298	3.3
7563360	156 x 157	21 x 24	319	3.4
7563361	162 x 149	22 x 20	347	3.5
7563654	145 x 141	19 x 24	315	3.4
7563655	157 x 147	20 x 24	281	3.4
7563656	151 x 146	19 x 20	325	3.4
7563890	157 x 136	23 x 20	307	3.3
7570289	155 x 150	22 x 22	326	3.4
7570290	152 x 147	21 x 20	331	3.4
7570292	149 x 141	20 x 22	299	3.4
7570293	158 x 139	22 x 20	335	3.4
7570479	141 x 143	20 x 22	324	3.4
7570480	160 x 147	21 x 21	311	3.4
7570482	153 x 155	21 x 21	303	3.5
7575835	152 x 139	21 x 20	315	3.5
7575836	143 x 139	21 x 21	337	3.4

Synthetic Industries, Inc.
4019 Industry Drive • Post Office Box 22788 • Chattanooga, Tennessee • 37422 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

BENTONITE
CERTIFICATE OF ANALYSIS

CETCO
92 HWY 37
LOVELL, WYO. 82431

DATE: 29-Dec-98

TO: **CETCO - CLAYMAX CORP.**
P.O. BOX 88

FAIRMOUNT, GA. 30139

ATTN: **CYNTHIA WILLIX**

Dear Sirs:

A shipment of **CG 50**
left our Lovell, WY plant on **13-Dec-98**
in **ATSF 314773**
as requested on your order no. **VERBAL**

A sample from this shipment was tested, and gave the following results:

TEST	METHOD	REQ. SPECIFICATION	ACTUAL RESULTS
RET. 10 MESH	ASTM C 136	0% .	0
PASSING 200 MESH	ASTM C 136	1.0 % MAX	0.7
MOISTURE	ASTM D 2216	12.0% MAX.	8.4
FREE SWELL	ASTM D 5890	24 MIN.	24
FLUID LOSS	ASTM D 5891	18.0 MAX.	14.6

We hereby certify that the results shown above represent this shipment.
Tests were conducted using American Standard Test Methods and/or customer approved laboratory procedures.
Product made in the U.S.A.

Tests Conducted By: **C.L.**

Approved By: **MOSES BRISENO**

CETCO

In any correspondence regarding this shipment, please refer to our
Order Number **99210**

CETCO

GEOSYNTHETIC CLAY LINER MQA TRACKING FORMS

Printed on recycled paper

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000100907

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199904030									
00000078	030-BENTOMAT ST	150	2250	3422	7570290		199902010	00000015	314773
00000079	030-BENTOMAT ST	150	2250	3365	7570290		199902010	00000015	314773
00000090	030-BENTOMAT ST	150	2250	3207	7562321		199903010	00000053	314773
00000091	030-BENTOMAT ST	150	2250	3239	7562321		199903010	00000053	314773
00000094	030-BENTOMAT ST	150	2250	3329	7562321		199902010	00000019	314773
00000095	030-BENTOMAT ST	150	2250	3230	7562321		199902010	00000019	314773
00000096	030-BENTOMAT ST	150	2250	3192	7562321		199902010	00000019	314773
00000099	030-BENTOMAT ST	150	2250	3220	7562321		199902010	00000019	314773
00000100	030-BENTOMAT ST	150	2250	3207	7560321		199902010	00000019	314773
00000101	030-BENTOMAT ST	150	2250	3279	7560321		199902010	00000019	314773
00000102	030-BENTOMAT ST	150	2250	3214	7560321		199902010	00000019	314773
00000103	030-BENTOMAT ST	150	2250	3173	7560321		199902010	00000019	314773
00000104	030-BENTOMAT ST	150	2250	3186	7560321		199902010	00000019	314773
00000105	030-BENTOMAT ST	150	2250	3162	7560321		199902010	00000044	314773

TOTAL SQUARE FEET..... 31.500

COLLOID ENVIRONMENTAL TECH CO
GCL MQA/MQC TRACKING FORM

CETCO FAIRMOUNT PLANT
P.O. BOX 88
FAIRMOUNT GA 30139

SHIP TO: COUNTY OF VOLUSIA
1990 TOMOKA FARMS RD.
DAYTONA BEACH FL

ORDER NUMBER 000100908

ROLL#	MATERIAL	ROLL LENGTH	SQUARE FEET	ROLL WEIGHT	GEOSYNTHETIC TOP LOT#	GEOSYNTHETIC TOP ROLL#	GEOSYNTHETIC BOTTOM LOT#	GEOSYNTHETIC BOTTOM ROLL#	CLAY LOT#
LOT# 199904030									
00000066	030-BENTOMAT ST	150	2250	3125	7570290		199903010	00000056	314773
00000074	030-BENTOMAT ST	150	2250	3301	7570290		199902010	00000015	314773
00000075	030-BENTOMAT ST	150	2250	3292	7570290		199902010	00000015	314773
00000076	030-BENTOMAT ST	150	2250	3331	7570290		199902010	00000015	314773
00000080	030-BENTOMAT ST	150	2250	3346	7561217		199903010	00000102	314773
00000081	030-BENTOMAT ST	150	2250	3496	7561217		199903010	00000102	314773
00000082	030-BENTOMAT ST	150	2250	3350	7561217		199903010	00000102	314773
00000083	030-BENTOMAT ST	150	2250	3525	7561217		199903010	00000102	314773
00000084	030-BENTOMAT ST	150	2250	3426	7561217		199903010	00000053	314773
00000085	030-BENTOMAT ST	150	2250	3453	7561217		199903010	00000053	314773
00000086	030-BENTOMAT ST	150	2250	3199	7562321		199903010	00000053	314773
00000092	030-BENTOMAT ST	150	2250	3205	7562321		199902010	00000019	314773
00000093	030-BENTOMAT ST	150	2250	3202	7562321		199902010	00000019	314773

TOTAL SQUARE FEET..... 29.250

ATTACHMENT 5-3

TRI MQA TEST RESULTS

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

April 16, 1999

RECEIVED
APR 19 1999
SCS ENGINEERS
TAMPA

Mr. Steve Rosbach
SCS Engineers
3012 U.S. Highway 301 North
Tampa, FL 33619-2242

fax: 813-623-6757
fax: 904-947-2955 (attn: Mr. Paul Siriboury)

Dear Mr. O'Neill:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing in support of the Tomoka Farms Landfill project.

TRI Job Reference Number:	E2104-09-08
Date Received:	07-03-98
Material(s) Tested:	2 Bentomat ST GCLs 2 Claymax 200R GCLs
Sample ID(s):	Lot # 199823030, Roll # 4469 Lot # 199823030, Roll # 4346 Lot # 199825030, Roll # 783 Lot # 199825030, Roll # 852
Test(s) Requested:	Bentonite Content (ASTM D 5993) Swell Index (ASTM D 5890) Permeability (ASTM D 5084)

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Sam R. Allen

Sam R. Allen
Vice President and Divison Manager: Geosynthetics Technologies

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GCL TEST RESULTS

Client: SCS Engineers
Project: Tomoka Farms Landfill

Material: Bentomat ST GCL
Lot # 199823030 Roll # 4469
TRI Log #: E2104-09-08

SRA 04.16.99
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER					MEAN	STD	PROJECT SPEC.
Bentonite Content (ASTM D 5993) (@ 0% moisture content)	1	2	3	4	5			
10" x 10" mass - dry (grams)	324.81	316.55	309.51					
Bentonite content (lbs/ft2)	1.03	1.00	0.98			1.01	0.02	NA
Swell Index (ASTM D 5890)								
Swell Index (ml)	31					31		NA

MD Machine Direction
TD Transverse Direction
NA Not Available
The testing herein is based upon accepted industry practice as well as the test method listed.
TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material.

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GCL TEST RESULTS

Client: SCS Engineers
Project: Tomoka Farms Landfill

Material: Bentomat ST GCL
Lot # 199823030 Roll # 4346
TRI Log #: E2104-09-08

SRA 04-16-99
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER					MEAN	STD	PROJECT SPEC.
Bentonite Content (ASTM D 5993) (@ 0% moisture content)	1	2	3	4	5			
10" x 10" mass - dry (grams)	327.29	334.21	322.98					
Bentonite content (lbs/ft2)	1.04	1.06	1.02			1.04	0.01	NA
Swell Index (ASTM D 5890)								
Swell Index (ml)	30					30		NA

MD Machine Direction
TD Transverse Direction
NA Not Available
The testing herein is based upon accepted industry practice as well as the test method listed.
TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material.

9063 Bee Caves Road • Austin, TX 78733-6201 • (512) 263-2101 • FAX (512) 263-2558

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GCL TEST RESULTS

Client: SCS Engineers
Project: Tomoka Farms Landfill

Material: Claymax 200R GCL
Lot # 199825030 Roll # 783
TRI Log #: E2104-09-08

SR4 04.16.99
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER					MEAN	STD	PROJECT SPEC.
Bentonite Content (ASTM D 5993) (@ 0% moisture content)	1	2	3	4	5			
10" x 10" mass - dry (grams)	311.94	328.02	325.61					
Bentonite content (lbs/ft2)	0.99	1.04	1.03			1.02	0.02	NA
Swell Index (ASTM D 5890)								
Swell Index (ml)	30					30		NA

MD Machine Direction
TD Transverse Direction
NA Not Available
The testing herein is based upon accepted industry practice as well as the test method listed.
TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material.

9063 Bee Caves Road • Austin, TX 78733-6201 • (512) 263-2101 • FAX (512) 263-2558

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GCL TEST RESULTS

Client: SCS Engineers
Project: Tomoka Farms Landfill

Material: Claymax 200R GCL
Lot # 199825030 Roll # 852
TRI Log #: E2104-09-08

SRA 04.16.99
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER					MEAN	STD	PROJECT SPEC.
Bentonite Content (ASTM D 5993) (@ 0% moisture content)	1	2	3	4	5			
10" x 10" mass - dry (grams)	321.04	329.13	317.25					
Bentonite content (lbs/ft2)	1.02	1.04	1.01			1.02	0.02	NA
Swell Index (ASTM D 5890)								
Swell Index (ml)	30					30		NA

MD Machine Direction
TD Transverse Direction
NA Not Available
The testing herein is based upon accepted industry practice as well as the test method listed.
TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material.

9063 Bee Caves Road • Austin, TX 78733-6201 • (512) 263-2101 • FAX (512) 263-2558

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

April 16, 1999

RECEIVED
APR 19 1999

Mr. Steve Rosbach
SCS Engineers
3012 U.S. Highway 301 North
Tampa, FL 33619-2242

fax: 813-623-6757
fax: 904-947-2955 (attn: Mr. Paul Siriboury)

Dear Mr. O'Neill:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing in support of the Tomoka Farms Landfill project.

TRI Job Reference Number:	E2104-09-08
Date Received:	07-03-98
Material(s) Tested:	2 Bentomat ST GCLs 2 Claymax 200R GCLs
Sample ID(s):	Lot # 199823030, Roll # 4469 Lot # 199823030, Roll # 4346 Lot # 199825030, Roll # 783 Lot # 199825030, Roll # 852
Test(s) Requested:	Bentonite Content (ASTM D 5993) Swell Index (ASTM D 5890) Permeability (ASTM D 5084)

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Sam R. Allen

Sam R. Allen
Vice President and Divison Manager: Geosynthetics Technologies

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GCL TEST RESULTS

Client: SCS Engineers
Project: Tomoka Farms Landfill

Material: Bentomat ST GCL
Lot # 199823030 Roll # 4469
TRI Log #: E2104-09-08

SRA 04·16·99
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER					MEAN	STD	PROJECT SPEC.
Bentonite Content (ASTM D 5993) (@ 0% moisture content)	1	2	3	4	5			
10" x 10" mass - dry (grams)	324.81	316.55	309.51					
Bentonite content (lbs/ft2)	1.03	1.00	0.98			1.01	0.02	NA
Swell Index (ASTM D 5890)								
Swell Index (ml)	31					31		NA

MD Machine Direction
TD Transverse Direction
NA Not Available
The testing herein is based upon accepted industry practice as well as the test method listed.
TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material.

9063 Bee Caves Road • Austin, TX 78733-6201 • (512) 263-2101 • FAX (512) 263-2558

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GCL TEST RESULTS

Client: SCS Engineers
Project: Tomoka Farms Landfill

Material: Bentomat ST GCL
Lot # 199823030 Roll # 4346
TRI Log #: E2104-09-08

SRA 04·16·99
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER					MEAN	STD	PROJECT SPEC.
Bentonite Content (ASTM D 5993) (@ 0% moisture content)	1	2	3	4	5			
10" x 10" mass - dry (grams)	327.29	334.21	322.98					
Bentonite content (lbs/ft2)	1.04	1.06	1.02			1.04	0.01	NA
Swell Index (ASTM D 5890)								
Swell Index (ml)	30					30		NA

MD Machine Direction
TD Transverse Direction
NA Not Available
The testing herein is based upon accepted industry practice as well as the test method listed.
TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material.

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GCL TEST RESULTS

Client: SCS Engineers
Project: Tomoka Farms Landfill

Material: Claymax 200R GCL
Lot # 199825030 Roll # 783
TRI Log #: E2104-09-08

SRA 04.16.99
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER					MEAN	STD	PROJECT SPEC.
Bentonite Content (ASTM D 5993) (@ 0% moisture content)	1	2	3	4	5			
10" x 10" mass - dry (grams)	311.94	328.02	325.61					
Bentonite content (lbs/ft2)	0.99	1.04	1.03			1.02	0.02	NA
Swell Index (ASTM D 5890)								
Swell Index (ml)	30					30		NA

MD Machine Direction
TD Transverse Direction
NA Not Available
The testing herein is based upon accepted industry practice as well as the test method listed.
TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material.

9063 Bee Caves Road • Austin, TX 78733-6201 • (512) 263-2101 • FAX (512) 263-2558

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GCL TEST RESULTS

Client: SCS Engineers
Project: Tomoka Farms Landfill

Material: Claymax 200R GCL
Lot # 199825030 Roll # 852
TRI Log #: E2104-09-08

SRA 04.16.99
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER					MEAN	STD	PROJECT SPEC.
Bentonite Content (ASTM D 5993) (@ 0% moisture content)	1	2	3	4	5			
10" x 10" mass - dry (grams)	321.04	329.13	317.25					
Bentonite content (lbs/ft2)	1.02	1.04	1.01			1.02	0.02	NA
Swell Index (ASTM D 5890)								
Swell Index (ml)	30					30		NA

MD Machine Direction
TD Transverse Direction
NA Not Available
The testing herein is based upon accepted industry practice as well as the test method listed.
TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material.

9063 Bee Caves Road • Austin, TX 78733-6201 • (512) 263-2101 • FAX (512) 263-2558

SECTION 6

COLLECTION / DETECTION SYSTEM

6.1 CORRUGATED HIGH DENSITY POLYETHYLENE PIPE

Quality Control Certifications for the HDPE pipe used in the collection / detection system can be found in the Phase I and V report.

6.2 GEOTEXTILE

The woven geotextile was supplied by Advanced Drainage Systems, Incorporated (ADS) and manufactured by Synthetic Industries, Incorporated. A letter of certification for the Geotextile can be found in the Phase I and V report.

6.3 STONE

Conrad Yelvington Distributors, Incorporated supplied a F.D.O.T. #4 gradation gravel. A letter of certification for the gravel can be found in the Phase I and V report.

6.4 BI-PLANAR GEOCOMPOSITE

GSE supplied the Bi-Planar Geocomposite. Manufacturer's Quality Control certificates for the Bi-Planar Geocomposite can be found in Attachment 6-2 in this section. SCS Engineers sent samples of the Bi-Planar Geocomposite to TRI/Environmental for conformance testing. The test results are located in Attachment 6-6 in this section.

6.5 TRI-PLANAR GEOCOMPOSITE

Tenax Corporation supplied the Tri-Planar Geocomposite. Manufacturer's Quality Control certificates for the Tri-Planar Geocomposite can be found in Attachment 6-3 in this section. SCS Engineers sent samples of the Tri-Planar Geocomposite to TRI/Environmental for conformance testing. The test results are located in Attachment 6-6 in this section.

ATTACHMENT 6-1

COMPOSITE INSTALLATION SUMMARY

SCS ENGINEERS

SHEET _____ OF _____

CLIENT	PROJECT	JOB NO.
SUBJECT	BY	DATE
	CHECKED	DATE

TRI-PLANAR GEOCOMPOSITE INSTALLATION

11/05/98	13,440	ft^2
11/06/98	29,274	ft^2
11/09/98	11,700	ft^2
11/11/98	38,802	ft^2
11/12/98	31,068	ft^2
11/13/98	2394	ft^2
11/14/98	32,184	ft^2
11/16/98	28,614	ft^2
11/17/98	3606	ft^2
11/18/98	30,936	ft^2
11/19/98	16,722	ft^2
11/20/98	51,204	ft^2
11/23/98	71,124	ft^2
11/24/98	93,078	ft^2
11/25/98	25,296	ft^2
11/30/98	16,926	ft^2
12/03/98	24,168	ft^2
12/04/98	9120	ft^2
12/07/98	13,704	ft^2
1/05/99	25,980	ft^2
1/06/99	10,320	ft^2
1/07/99	14,286	ft^2
1/08/99	12,768	ft^2
1/09/99	17,922	ft^2
1/11/99	41,712	ft^2
1/12/99	70,023	ft^2
1/13/99	36,642	ft^2
1/14/99	17,070	ft^2
1/15/99	10,581	ft^2
1/18/99	2766	ft^2
	803,430	ft^2

SCS ENGINEERS

SHEET _____ OF _____

CLIENT	PROJECT	JOB NO.
SUBJECT	BY	DATE
	CHECKED	DATE

BI-PLANAR GEOCOMPOSITE INSTALLATION

12/10/98	70,956 ft²
12/11/98	72,225 ft²
12/14/98	88,695 ft²
12/15/98	57,051 ft²
12/16/98	43,889 ft²
12/17/98	57,308 ft²
12/18/98	48,735 ft²
12/21/98	74,588 ft²
12/22/98	19,980 ft²
12/23/98	10,179 ft²
12/29/98	2,552 ft²
1/18/99	7,020 ft²
1/20/99	50,760 ft²
1/21/99	106,434 ft²
1/27/99	41,202 ft²
1/28/99	63,855 ft²
	815,429 ft²

ATTACHMENT 6-2

GSE BI-PLANAR MQC CERTIFICATES

COMANCO

ENVIRONMENTAL CORPORATION

COPY

November 12, 1998

Mr. Bill Gilley
Director
SOLID WASTE SERVICES GROUP
County of Volusia, Florida
3151 E. New York Avenue
De Land, FL 32724

RE: **TOMOKA FARMS ROAD LANDFILL**
GEO-SYNTHETIC INSTALLATION
BI-PLANNER FABRA-NET
ALTERNATE PHASE III & IV
GSE MATERIAL QC/QA CERTIFICATES
CEC JOB #98-528

Dear Mr. Gilley:

Please find attached, QA/QC Certificates from GSE Lining Technologies, Inc. for the above referenced project.

Any questions, please telephone.

Sincerely,

COMANCO ENVIRONMENTAL CORPORATION

Mark A. Topp
President

Attachments

MAT/dkw
(A:64/98-528 /Gilley-QA/QC Certificates)

CC: Lee Powell

7911 PROFESSIONAL PLACE • TAMPA, FLORIDA 33637 • (813) 988-8829 • FAX (813) 988-8779

GSE Lining Technology, Inc.

LETTER OF TRANSMITTAL

02
Mark Topp
COMANCO Env Corporation
7911 Professional Place
Tampa, FL 33637

DATE:	November 9, 1998
JOB NO:	DS5226
MR NO:	7399-05
JOB NAME:	Volusia County
RE:	QC/QA Certificate

COPIES	DESCRIPTION
1	QC/QA Documentation as per Bill of Lading #07221

TRANSMIT VIA:

U.S. Mail

If enclosures are not as noted kindly notify us at once.

SIGNED : Tonya Switalski
DATE: November 9, 1998

Shipping Order - Packing List - Original - Not Negotiable

GSE® GSE Lining Technology, Inc.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Order Form.

at HOUSTON, TEXAS

SHIPPERS NO. H 07221

From GSE LINING TECHNOLOGY, INC.

ceived at Houston, Texas from GSE Lining Technology, Inc. the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said rrier (t "Carrier" being understood throughout this Shipping Order as meaning the person or corporation in possession of the property) agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all any o perty, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to either: (a) if the Shipper noted herein is GSE ing Te. y, Inc., as indicated by the designation of the "Shipper" to be GSE Lining Technology, Inc., then the Shipper and Carrier are subject to the terms and conditions contained in the Contract for Truck Transportation existing between the parties, (b) if the Shipper noted herein is not GSE Lining Technology, Inc., then GSE Lining Technology, Inc. is acting solely as the agent for the denoted Shipper, and thus every aspect of the service to be performed hereunder between the Shipper and the Carrier is subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western, and Illinois Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable carrier classification or tariff if this is a motor carrier shipment. When acting in the capacity of an agent for a Shipper in placing the material in transit on behalf of a Shipper, GSE Lining Technology, Inc. accepts no liability for loss of damage to containers, or any other consequences occurring during transportation, Carrier having agreed that the transportation arrangement was initiated by the Shipper and not by GSE Lining Technology, Inc.

bject to the above terms and conditions as to which party is the Shipper, Shipper hereby certifies that he is familiar with the terms and conditions that govern the transportation of this shipment, and the said terms and conditions are reby agreed and accepted for himself and his assigns.

xternal Ref. DURACO ENVIRONMENTAL
MARK TOPP

onsigned to C/O VOLUSIA COUNTY SOLID WASTE

estination DAYTONA BEACH

Date Shipped NOVEMBER 05, 1995

Customer P.O. # VERBAL

State FL 32114

omments from M.R.

FL 01010006 CONTACT MARK TOPP @ 813/988-6825

No. Packages	Roll #	Length	Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT
1	4000 /EACH		NET TIES	
2	11015745•	225	060 FABRINET 2 SIDED 6 OZ.	569
3	11015746	225	060 FABRINET 2 SIDED 6 OZ.	573
4	11015747	225	060 FABRINET 2 SIDED 6 OZ.	573
5	11015750•	225	060 FABRINET 2 SIDED 6 OZ.	575
6	11015753	225	060 FABRINET 2 SIDED 6 OZ.	572
	11015754 55	225	060 FABRINET 2 SIDED 6 OZ.	575
8	11015756	225	060 FABRINET 2 SIDED 6 OZ.	578
9	11015757	225	060 FABRINET 2 SIDED 6 OZ.	577
10	11015759 60	225	060 FABRINET 2 SIDED 6 OZ.	580
11	11015764 65	225	060 FABRINET 2 SIDED 6 OZ.	577
12	11015766	225	060 FABRINET 2 SIDED 6 OZ.	572
13	11015767 70	225	060 FABRINET 2 SIDED 6 OZ.	575
14	11015772	225	060 FABRINET 2 SIDED 6 OZ.	572
15	11015775	225	060 FABRINET 2 SIDED 6 OZ.	571
16	11015776•	225	060 FABRINET 2 SIDED 6 OZ.	571
17	11015777	225	060 FABRINET 2 SIDED 6 OZ.	575
18	11015778	225	060 FABRINET 2 SIDED 6 OZ.	575
19	11015779	225	060 FABRINET 2 SIDED 6 OZ.	575
20	11015780•	225	060 FABRINET 2 SIDED 6 OZ.	574
21	11015782	225	060 FABRINET 2 SIDED 6 OZ.	572
22	11015783	225	060 FABRINET 2 SIDED 6 OZ.	571
23	11015784	225	060 FABRINET 2 SIDED 6 OZ.	572
24	11015785•	225	060 FABRINET 2 SIDED 6 OZ.	575
25	11015786	225	060 FABRINET 2 SIDED 6 OZ.	572
26	11015787 90	225	060 FABRINET 2 SIDED 6 OZ.	571
tal Square Ft.	78,750		Total Weight	14,350

Internal Ref.

Material Req. # 7397-05

Job # 055226

Shippers # 007221

Bus/Market Seg. Code 0101

Terms: Prepaid/Collect PREPAID

Load Verification SIGNED X

Truck/Container # 1991

Seal #

VOL020001

rrier Ref. 4000 NET TIES

CARRIER NAME: RUEL SMITH

CARRIER SIGNATURE:

DATE: 11-5-95

Truckers P.O. # 66

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Here For Shipper

pper: 11/5/95

dress: 19103 GUNDLE ROAD
HOUSTON, TX 77073

Sign Here For Agent Of Shipper

Agent for Shipper:

(GSE LINING TECHNOLOGY, INC.
APPROVED AGENT FOR SHIPPER)

LAB.

STAR... Safety Through Accountability and Recognition

Mobil Polyethylene
Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

09/23/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.953
Lot Number	Z-51442	Melt Index (gm/10 min) I5	0.64
Hopper Car Number	MBLX-053351		
Quantity Shipped	189,000 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080040029		
Location Shipped To	ALDINE, TX		

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

GSE Lining Technology, Inc.

19103 Gundle Road
Houston, Texas 77073
800-435-2008
281-443-8564
Fax 281-875-6010

COMANCO ENVIRONMENTAL
MR Number: 7399-05
Report date: 11-5-98

ROLL#	PRODUCT	FABRIC T	FABRIC B
11015745	FA2060060J	6061316A	6061302A
11015750	FA2060060J	6057534A	6057508A
11015754	FA2060060J	6057534A	6057614A
11015759	FA2060060J	6057590A	6061313A
11015764	FA2060060J	6057590A	6061313A
11015766	FA2060060J	6057590A	6057591A
11015767	FA2060060J	6057602A	6057591A
11015772	FA2060060J	6057541A	6057563A
11015775	FA2060060J	6057606A	6057461A
11015777	FA2060060J	6057606A	6057461A
11015780	FA2060060J	6057569A	6057455A
11015785	FA2060060J	6057604A	6057460A
11015787	FA2060060J	6057604A	6057610A

GSE

Net Test Report

ROLL NO. 11015745

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/16/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	569	pounds
	258	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	675 lb/ft	10.05 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.46 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				223 mil	5.66 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11-5-98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082115

GSE

Net Test Report

ROLL NO. 11015750

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/17/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	578	pounds
	262	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	645 lb/ft	9.60 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CA[illegible]N BLACK CONTENT	D 1603	2.00 %		2.43 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				220 mil	5.58 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-5-98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS

DATE SHIPPED

20082115

GSE

Net Test Report

ROLL NO. 11015755

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/17/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	577	pounds
	262	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	783 lb/ft	11.65 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.32 %	
NET DENSITY	D 1505		0.940 g/cc		0.962 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				236 mil	5.99 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11-5-98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082115

GSE

Net Test Report

ROLL NO. 11015760

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/17/98	
AREA:	3444	sq.ft.
	320	sq. meters
LENGTH:	246	feet
	75	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	604	pounds
	274	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	723 lb/ft	10.76 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.44 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				228 mil	5.79 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-5-98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

20082115

GSE

Net Test Report

ROLL NO. 11015765

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/17/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	577	pounds
	262	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	777 lb/ft	11.56 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.48 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				232 mil	5.89 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-5-98 #6 QA

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082115

GSE

Net Test Report

ROLL NO. 11015770

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/17/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	572	pounds
	259	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	693 lb/ft	10.31 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.26 %	
NET DENSITY	D 1505		0.940 g/cc		0.962 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				228 mil	5.79 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-5-98 #6 QA

CUSTOMER:

JOB NO.

DATE SHIPPED _____

COMMENTS _____

20082115

GSE

Net Test Report

ROLL NO. 11015775

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/17/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	571	pounds
	259	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	711 lb/ft	10.58 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.57 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				254 mil	6.45 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.5.98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

20082115

GSE

Net Test Report

ROLL NO. 11015780

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/17/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	574	pounds
	260	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	903 lb/ft	13.44 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CA V BLACK CONTENT	D 1603	2.00 %		2.59 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				238 mil	6.04 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.5.98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

20082115

GSE

Net Test Report

ROLL NO. 11015785

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/17/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	575	pounds
	261	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	756 lb/ft	11.25 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.41 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				227 mil	5.76 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.5.98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

20082115

GSE

Net Test Report

ROLL NO. 11015790

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/17/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	574	pounds
	260	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	834 lb/ft	12.41 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.40 %	
NE. ENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				224 mil	5.69 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.5.98 #6 QA

CUSTOMER:

JOB NO.

DATE SHIPPED _____

COMMENTS _____

20082115

COMANCO

ENVIRONMENTAL CORPORATION

COPY

November 17, 1998

Mr. Bill Gilley
Director
SOLID WASTE SERVICES GROUP
County of Volusia, Florida
3151 E. New York Avenue
De Land, FL 32724

RE: **TOMOKA FARMS ROAD LANDFILL**
GEO-SYNTHETIC INSTALLATION
BI-PLANNER FABRA-NET
ALTERNATE PHASE III & IV
GSE MATERIAL QC/QA CERTIFICATES
CEC JOB #98-528

Dear Mr. Gilley:

Please find attached, QA/QC Certificates from GSE Lining Technologies, Inc. for the above referenced project.

Any questions, please telephone.

Sincerely,

COMANCO ENVIRONMENTAL CORPORATION

Mark A. Topp
President

Attachments

MAT/dkw
(A:64/98-528 /Gilley-QA/QC Certificates)

CC: Lee Powell

GSE Lining Technology, Inc.

LETTER OF TRANSMITTAL

02
Mark Topp
COMANCO Env Corporation
7911 Professional Place
Tampa, FL 33637

DATE:	November 10, 1998
JOB NO:	DS5226
MR NO:	7399-05
JOB NAME:	Volusia County
RE:	QC/QA Certificate

COPIES	DESCRIPTION
1	QC/QA Documentation as per Bill of Lading #07240

TRANSMIT VIA:

U.S. Mail

If enclosures are not as noted kindly notify us at once.

SIGNED : Tonya Switalski
DATE: November 10, 1998

Shipping Order - Packing List - Original - Not Negotiable

GSE® GSE Lining Technology, Inc.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Order Form.

at HOUSTON, TEXAS

SHIPPERS NO. H 07240

From GSE LINING TECHNOLOGY, INC.

Received at Houston, Texas from GSE Lining Technology, Inc. the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the "Carrier" being understood throughout this Shipping Order as meaning the person or corporation in possession of the property) agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all any of said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to either: (a) if the Shipper noted herein is GSE Lining Technology, Inc., as indicated by the designation of the "Shipper" to be GSE Lining Technology, Inc., then the Shipper and Carrier are subject to the terms and conditions contained in the Contract for Truck Transportation existing between the parties, (b) if the Shipper noted herein is not GSE Lining Technology, Inc., then GSE Lining Technology, Inc. is acting solely as the agent for the denoted Shipper, and thus every aspect of the service to be performed hereunder between the Shipper and the Carrier is subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western, and Illinois Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. When acting in the capacity of an agent for a Shipper in placing the material in transit on behalf of a Shipper, GSE Lining Technology, Inc. accepts no liability for loss of or damage to containers, or any other consequences occurring during transportation, Carrier having agreed that the transportation arrangement was initiated by the Shipper and not by GSE Lining Technology, Inc.

Subject to the above terms and conditions as to which party is the Shipper, Shipper hereby certifies that he is familiar with the terms and conditions that govern the transportation of this shipment, and the said terms and conditions are hereby agreed and accepted for himself and his assigns.

External Ref. [illegible]

Consigned to [illegible]

Destination [illegible]

Date Shipped [illegible]

Customer P.O. # [illegible]

State [illegible]

Comments from M.R.

[illegible]

No. Packages	Roll #	Length	Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT
1	3000 MATCH		NET TIES	
2	11015710 •	225	060 FABRINET 2 SIDED 6 OZ.	580
3	11015719 •	225	060 FABRINET 2 SIDED 6 OZ.	577
4	11015716	225	060 FABRINET 2 SIDED 6 OZ.	579
5	11015717	225	060 FABRINET 2 SIDED 6 OZ.	580
6	11015718	225	060 FABRINET 2 SIDED 6 OZ.	582
7	11015719	225	060 FABRINET 2 SIDED 6 OZ.	576
	11015720 •	225	060 FABRINET 2 SIDED 6 OZ.	573
9	11015725 •	225	060 FABRINET 2 SIDED 6 OZ.	568
10	11015726	225	060 FABRINET 2 SIDED 6 OZ.	585
11	11015727	225	060 FABRINET 2 SIDED 6 OZ.	587
12	11015728	225	060 FABRINET 2 SIDED 6 OZ.	584
13	11015729	225	060 FABRINET 2 SIDED 6 OZ.	573
14	11015730 •	225	060 FABRINET 2 SIDED 6 OZ.	574
15	11015731	225	060 FABRINET 2 SIDED 6 OZ.	577
16	11015733	225	060 FABRINET 2 SIDED 6 OZ.	578
17	11015734	225	060 FABRINET 2 SIDED 6 OZ.	585
18	11015735 •	225	060 FABRINET 2 SIDED 6 OZ.	585
19	11015739	225	060 FABRINET 2 SIDED 6 OZ.	572
20	11015740 •	225	060 FABRINET 2 SIDED 6 OZ.	562
21	11015741	225	060 FABRINET 2 SIDED 6 OZ.	570
22	11015742	225	060 FABRINET 2 SIDED 6 OZ.	575
23	11015743	225	060 FABRINET 2 SIDED 6 OZ.	570
24	11015744 45	225	060 FABRINET 2 SIDED 6 OZ.	569
25	11015748	225	060 FABRINET 2 SIDED 6 OZ.	574
26	11015749 50	225	060 FABRINET 2 SIDED 6 OZ.	569

Internal Ref.

Material Req. # [illegible]

Job # [illegible]

Shippers # 007240

Bus/Market Seg. Code 0101

Terms: Prepaid/Collect PREPAID

Load Verification SIGNED X

Truck/Container # 1995

Seal #

Total Square Ft.	78,750	Total Weight	14,522	VDL020201

Carrier Ref. 3000 mat ties

CARRIER NAME:

CARRIER SIGNATURE:

DATE: 11/6/95

Truckers P.O. # 86117750

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Sign Here For Shipper

Shipper: [illegible]

Address: 19103 GUNDLE ROAD
HOUSTON, TX 77073

Sign Here For Agent Of Shipper

Agent for Shipper: _____

(GSE LINING TECHNOLOGY, INC.
APPROVED AGENT FOR SHIPPER)

LAB.

STAR... Safety Through Accountability and Recognition

Mobil Polyethylene
Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

09/23/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.953
Lot Number	Z-51442	Melt Index (gm/10 min) I5	0.64
Hopper Car Number	MBLX-053351		
Quantity Shipped	189,000 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080040029		
Location Shipped To	ALDINE, TX		

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

GSE

Net Test Report

ROLL NO. 11015710

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/16/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	580	pounds
	263	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	705 lb/ft	10.49 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.50 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				233 mil	5.91 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.9.98 #6 QA

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082119

GSE

Net Test Report

ROLL NO. 11015715

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/16/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	577	pounds
	262	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	789 lb/ft	11.74 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.46 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				220 mil	5.58 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.9.98 #6 QA

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082119

GSE

Net Test Report

ROLL NO. 11015720

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/16/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	578	pounds
	262	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	648 lb/ft	9.64 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.55 %	
NEA DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				222 mil	5.63 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11-9-98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082119

GSE

Net Test Report

ROLL NO. 11015725

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/16/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	565	pounds
	256	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	816 lb/ft	12.14 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.24 %	
NET DENSITY	D 1505		0.940 g/cc		0.962 g/c
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				239 mil	6.07 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.9.98 #6 QA

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082119

GSE

Net Test Report

ROLL NO. 11015730

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/16/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	574	pounds
	260	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	642 lb/ft	9.55 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.34 %	
NET DENSITY	D 1505		0.940 g/cc		0.962 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				221 mil	5.61 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11.9.98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082119

GSE

Net Test Report

ROLL NO. 11015735

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/16/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	585	pounds
	265	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	624 lb/ft	9.29 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.53 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				225 mil	5.71 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 1.9.98 #6 QA

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082119

GSE

Net Test Report

ROLL NO. 11015740

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/16/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	562	pounds
	255	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	633 lb/ft	9.42 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.22 %	
NET DENSITY	D 1505		0.940 g/cc		0.962 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				221 mil	5.61 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.9.98 #6 QA

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082119

GSE

Net Test Report

ROLL NO. 11015745

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/16/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	569	pounds
	258	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	675 lb/ft	10.05 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.46 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				223 mil	5.66 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-9-98 #6 QA

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082119

GSE

Net Test Report

ROLL NO. 11015750

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/17/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	578	pounds
	262	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	645 lb/ft	9.60 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.43 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				220 mil	5.58 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.9.98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS

DATE SHIPPED

20082119

GSE Lining Technology, Inc.

19103 Gundle Road
Houston, Texas 77073
800-435-2008
281-443-8564
Fax 281-875-6010

VOLUSIA COUNTY SOLID WASTE
MR Number: 7399-05
Report date: 11-9-98

ROLL#	PRODUCT	FABRIC T	FABRIC B
11015710	FA2060060J	6061323A	6061242A
11015715	FA2060060J	6061288A	6061242A
11015720	FA2060060J	6057523A	6061335A
11015725	FA2060060J	6057523A	6061335A
11015730	FA2060060J	6061309A	6061330A
11015735	FA2060060J	6057525A	6061312A
11015740	FA2060060J	6061334A	6057507A
11015744	FA2060060J	6061316A	6057533A
11015749	FA2060060J	6057592A	6057508A

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 13, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
Bol: 625415 625422 PO S061990-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1897*

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

Synthetic Industries
Individual Roll Data
Bill of Lading:625422

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6057563A	651L	60279	6.4									117		
6057605A	651L	60279	6.7	98	243	213	65	76	105	107	376	131		
6057609A	651L	60279	6.6	94	231	234	75	88	101	95	349	131		
6057639A	651L	60279	6.3	87	243	222	76	87	83	98	370	111		
6057643A	651L	60279	6.5	91	244	230	73	88	95	108	377	124		

Sid Wenzi

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that terials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

00205

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 9, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
Bol: 625370, 625374 PO S061572-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice The effective date for this product data is 02/1897*

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

00201

Synthetic Industries
Individual Roll Data
Bill of Lading:625370

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6057459A	651L	60279	6.9	90	231		68		107		440	117		
6057498A	651L	60279	6.3	90	216	200	66	90	107	116	361	135		
6057512A	651L	60279	6.5	88	207	205	60	73	106	113	387	114		
6057516A	651L	60279	6.3	81	203	198	57	74	88	109	381	122		
6061290A	651L	60294	6.5	92	213	216	67	80	103	110	380	127		
6061333A	651L	60294	6.4	85	217	211	67	82	88	101	367	126		

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that terials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

Synthetic Industries
Individual Roll Data
Bill of Lading:625374

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6057446A	651L	60279	6.4	91	217	200	66	87	119	160	369	120		
6057470A	651L	60279	6.5	87	206	213	64	86	120	125	360	115		
6057474A	651L	60279	6.1	84	210	193	65	84	103	115	336	117		
6057478A	651L	60279	6.5	89	218	203	64	89	99	118	386	131		
6057486A	651L	60279	6.7	91	228	219	68	85	103	120	374	120		

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries a sk for assistance in calculating the costs for the additional tests.

nce rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that terials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 21, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
Bol: 625437 625441 PO S061990-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1897*

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA

Synthetic Industries
Individual Roll Data
Bill of Lading:625437

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap (MD) lbs D4533	Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6057548A	651L	60279	6.1	87	210	203	56	78	105	120	357	118		
6057560A	651L	60279	6.5	93	221	211	61	82	92	102	355	114		
6057566A	651L	60279	6.4									120		
6057586A	651L	60279	6.6	91	230	214	64	80	95	111	356	112		
6057590A	651L	60279	7.1	97	228	236	65	84	104	118	376	122		

Sid Wessi

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

Synthetic Industries
Individual Roll Data
Bill of Lading:625441

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6057504A	651L	60279	6.9	93	230		68		91		371	112		3.394
6057507A	651L	60279	6.1	86	195	202	63	85	97	97	371	118		
6057536A	651L	60279	6.9	93	234	224	61	79	109	119	384	129		
6057540A	651L	60279	6.8	94	231	210	61	78	106	120	376	135		
6057544A	651L	60279	7.3	97	239	233	62	76	105	125	397	131		
6057552A	651L	60279	6.2	89	225	203	62	77	101	114	369	127		
6057594A	651L	60279	6.9	96	234	230	65	80	104	120	385	123		

Sid Wesson

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence the test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

00214

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 21, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
Bol: 625459 625466 PO S061990-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1897*

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

Synthetic Industries
Individual Roll Data
Bill of Lading:625459

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6057520A	651L	60279	6.4	85	209	197	61	74	97	112	397	121		
6061242A	651L	60294	6.7	87	223	211	69	78	99	108	362			
6061312A	651L	60294	6.5	89	229	207	71	84	108	115	366	119		
6061323A	651L	60294	7.0	96	231	231	71	80	99	124	363	122		
6061329A	651L	60294	6.7	96	214	225	70	81	88	108	343	115		

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that ...rials produced during the production run meets our published minimum average roll values, approved rolls are shipped for ...torage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence ...est results listed above may include data from rolls which were not shipped. However, the data provided is from the same ...roduction run as the rolls actually shipped on this bill of lading.

00015

Synthetic Industries
Individual Roll Data
Bill of Lading:625466

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6061135A	651L	60294	6.6	91	227	212	65	79	106	115	389			
6061172A	651L	60294	6.7	89	230	223	67	78	113	121	342			
6061261A	651L	60294	6.9	103	215	227	65	83	105	132	374	122		
6061281A	651L	60294	6.5	91	218	211	66	82	107	112	392	116		
6061286A	651L	60294	6.8	94	209	210	66	86	90	106	369	130		
6061294A	651L	60294	6.6	91	217	207	65	82	99	109	379	120		
6061304A	651L	60294	7.0	96	241	225	69	82	103	123	379	119		
6061308A	651L	60294	7.0	95	236	231	69	83	100	110	376	128		

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

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COPY

COMANCO

ENVIRONMENTAL CORPORATION

November 17, 1998

Mr. Bill Gilley
Director
SOLID WASTE SERVICES GROUP
County of Volusia, Florida
3151 E. New York Avenue
De Land, FL 32724

RE: **TOMOKA FARMS ROAD LANDFILL**
GEO-SYNTHETIC INSTALLATION
BI-PLANNER FABRA-NET
60 MIL TEXTURED
ALTERNATE PHASE III & IV
GSE MATERIAL QC/QA CERTIFICATES
CEC JOB #98-528

Dear Mr. Gilley:

Please find attached, QA/QC Certificates from GSE Lining Technologies, Inc. for the above referenced project.

Any questions, please telephone.

Sincerely,

COMANCO ENVIRONMENTAL CORPORATION

Mark A. Topp
President

Attachments

MAT/dkw
(A:64/98-528 /Gilley-QA/QC Certificates)

CC: Lee Powell

GSE Lining Technology, Inc.

LETTER OF TRANSMITTAL

02
Mark Topp
COMANCO Env Corporation
7911 Professional Place
Tampa, FL 33637

DATE:	November 10, 1998
JOB NO:	DS5226
MR NO:	7399-05
JOB NAME:	Volusia County
RE:	QC/QA Certificate

COPIES	DESCRIPTION
1	QC/QA Documentation as per Bill of Lading #07224

TRANSMIT VIA:

U.S. Mail

If enclosures are not as noted kindly notify us at once.

SIGNED : Tonya Switalski
DATE: November 10, 1998

GSE® TB

GSE Lining Technology, Inc.

Shipping Order - Packing List - Original - Not Negotiable

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Order Form.

at HOUSTON, TEXAS

SHIPPERS NO. H 07224

From GSE LINING TECHNOLOGY, INC.

eived at Houston, Texas from GSE Lining Technology, Inc. the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said ier (the "Carrier" being understood throughout this Shipping Order as meaning the person or corporation in possession of the property) agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all ny of erty, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to either: (a) if the Shipper noted herein is GSE ng Tes Inc., as indicated by the designation of the "Shipper" to be GSE Lining Technology, Inc., then the Shipper and Carrier are subject to the terms and conditions contained in the Contract for Truck Transportation existing between the parties,) if the r noted herein is not GSE Lining Technology, Inc., then GSE Lining Technology, Inc. is acting solely as the agent for the denoted Shipper, and thus every aspect of the service to be performed hereunder between the Shipper and the Carrier subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western, and Illinois Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable rrier classification or tariff if this is a motor carrier shipment. When acting in the capacity of an agent for a Shipper in placing the material in transit on behalf of a Shipper, GSE Lining Technology, Inc. accepts no liability for loss of damage to containers, or any other consequences occurring during transportation. Carrier having agreed that the transportation arrangement was initiated by the Shipper and not by GSE Lining Technology, Inc.

ject to the above terms and conditions as to which party is the Shipper, Shipper hereby certifies that he is familiar with the terms and conditions that govern the transportation of this shipment, and the said terms and conditions are eby agreed and accepted for himself and his assigns.

ternal Ref. CONTINUED FROM LINER 1 PAGE TOP

nsigned to C/O VOLUSIA COUNTY SOLID WASTE

stination DAYTONA BEACH

Date Shipped NOVEMBER 5, 1998

Customer P.O. # VERBAL

State FL 32114

mments from M.R.

PO 0119000 CONTACT: MARK TOPF @ 813/980-4402

No. Packages	Roll #	Length		Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT
1	AB7852FF	475	060	HYPERFLEX FF,060MIL,AVG,BLK,24	3,616
2	AB7969FF	475	060	HYPERFLEX FF,060MIL,AVG,BLK,24	3,691
3	AB7972FF	475	060	HYPERFLEX FF,060MIL,AVG,BLK,24	3,637
4	2000 /EACH			NET TONS	
5	11015753	225	060	FABRINET 2 SIDED 6 OZ.	564
6	11015752	225	060	FABRINET 2 SIDED 6 OZ.	574
7	11015755 •	225	060	FABRINET 2 SIDED 6 OZ.	577
	11015758	225	060	FABRINET 2 SIDED 6 OZ.	582
9	11015760 •	246	060	FABRINET 2 SIDED 6 OZ.	604
10	11015765 •	225	060	FABRINET 2 SIDED 6 OZ.	577
11	11015768	225	060	FABRINET 2 SIDED 6 OZ.	572
12	11015769	225	060	FABRINET 2 SIDED 6 OZ.	573
13	11015770 •	225	060	FABRINET 2 SIDED 6 OZ.	572
14	11015771	225	060	FABRINET 2 SIDED 6 OZ.	575
15	11015774 75	225	060	FABRINET 2 SIDED 6 OZ.	573
16	11015776 80	225	060	FABRINET 2 SIDED 6 OZ.	582
17	11015781 85	225	060	FABRINET 2 SIDED 6 OZ.	573

Internal Ref.

Material Req. # 7899-05

Job # 980226

Shippers # 007224

Bus/Market Seg. Code 0101

Terms: Prepaid/Collect PREPAID

Load Verification SIGNED

X

Truck/Container # 1997

Seal #

l Square Ft.	75,042	Total Weight	18,446	VRL020001

ier Ref. 2000 NET TONS

CARRIER NAME: RUEL SMITH

CARRIER SIGNATURE: Ruel Smith

DATE: 11/5/98 11/5/98

Truckers P.O. # 816

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Here For Shipper

per: _____

ess: 19103 GUNDLE ROAD
HOUSTON, TX 77073

Sign Here For Agent Of Shipper

Agent for Shipper: _____

(GSE LINING TECHNOLOGY, INC.
APPROVED AGENT FOR SHIPPER)

LAB.

STAR... Safety Through Accountability and Recognition

Mobil Polyethylene

Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

09/23/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.953
Lot Number	Z-51442	Melt Index (gm/10 min) I5	0.64
Hopper Car Number	MBLX-053351		
Quantity Shipped	189,000 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080040029		
Location Shipped To	ALDINE, TX		

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

GSE

Net Test Report

ROLL NO. 11015755

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/17/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	577	pounds
	262	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	783 lb/ft	11.65 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.32 %	
NET DENSITY	D 1505		0.940 g/cc		0.962 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				236 mil	5.99 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 1.9.98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

20082119

GSE

Net Test Report

ROLL NO. 11015760

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/17/98	
AREA:	3444	sq.ft.
	320	sq. meters
LENGTH:	246	feet
	75	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	604	pounds
	274	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	723 lb/ft	10.76 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.44 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				228 mil	5.79 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.9.98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

20032119

GSE

Net Test Report

ROLL NO. 11015765

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/17/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	577	pounds
	262	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	777 lb/ft	11.56 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.48 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				232 mil	5.89 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-9-98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

20082119

GSE

Net Test Report

ROLL NO. 11015770

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/17/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	572	pounds
	259	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	693 lb/ft	10.31 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.26 %	
NET DENSITY	D 1505		0.940 g/cc		0.962 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				228 mil	5.79 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 10.19.98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

20052119

GSE

Net Test Report

ROLL NO. 11015775

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/17/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	571	pounds
	259	kilograms

RESIN LOT INFORMATION

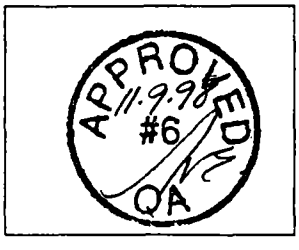
LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	711 lb/ft	10.58 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CAR ' BLACK CONTENT	D 1603	2.00 %		2.57 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				254 mil	6.45 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.



CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082119

GSE

Net Test Report

ROLL NO. 11015780

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/17/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	574	pounds
	260	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	903 lb/ft	13.44 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.59 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				238 mil	6.04 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11-9-98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082119

GSE

Net Test Report

ROLL NO. 11015785

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/17/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	575	pounds
	261	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51442
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	756 lb/ft	11.25 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CAR ' BLACK CONTENT	D 1603	2.00 %		2.41 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				227 mil	5.76 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.9.98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

20082119

GSE Lining Technology, Inc.

19103 Gundle Road
Houston, Texas 77073
800-435-2008
281-443-8564
Fax 281-875-6010

VOLUSIA COUNTY SOLID WASTE
MR Number: 7399-05
Report date: 11-9-98

ROLL#	PRODUCT	FABRIC T	FABRIC B
11015751	FA2060060J	6057534A	6057508A
11015755	FA2060060J	6057539A	6057614A
11015758	FA2060060J	6057539A	6061313A
11015760	FA2060060J	6057590A	6061313A
11015765	FA2060060J	6057590A	6061313A
11015768	FA2060060J	6057602A	6057591A
11015770	FA2060060J	6057602A	6057563A
11015774	FA2060060J	6057541A	6057461A
11015776	FA2060060J	6057606A	6057461A
11015781	FA2060060J	6057569A	6057455A

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 9, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
Bol: 625370, 625374 PO S061572-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice The effective date for this product data is 02/1897*

Synthetic Industries
Individual Roll Data
Bill of Lading:625370

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6057459A	651L	60279	6.9	90	231		68		107		440	117		
6057498A	651L	60279	6.3	90	216	200	66	90	107	116	361	135		
6057512A	651L	60279	6.5	88	207	205	60	73	106	113	387	114		
6057516A	651L	60279	6.3	81	203	198	57	74	88	109	381	122		
6061290A	651L	60294	6.5	92	213	216	67	80	103	110	380	127		
6061333A	651L	60294	6.4	85	217	211	67	82	88	101	367	126		

Bid Weaver

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that terials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

Synthetic Industries
Individual Roll Data
Bill of Lading:625374

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6057446A	651L	60279	6.4	91	217	200	66	87	119	160	369	120		
6057470A	651L	60279	6.5	87	206	213	64	86	120	125	360	115		
6057474A	651L	60279	6.1	84	210	193	65	84	103	115	336	117		
6057478A	651L	60279	6.5	89	218	203	64	89	99	118	386	131		
6057486A	651L	60279	6.7	91	228	219	68	85	103	120	374	120		

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to m[illegible]igher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and [illegible]k for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that [illegible]terials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 13, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
Bol: 625415 625422 PO S061990-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1897*

Synthetic Industries
Individual Roll Data
Bill of Lading:625415

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6057463A	651L	60279	6.3	85	199		63		104		377	113		
6057466A	651L	60279	6.9	93	242	221	68	91	123	144	397	132		
6057482A	651L	60279	6.4	85	219	213	68	84	126	131	383	127		
6057532A	651L	60279	6.4	80	206	207	61	81	101	110	350	110		
6057572A	651L	60279	6.5	93	219	219	62	82	90	110	359	112		
6057623A	651L	60279	6.9	98	245	232	78	88	103	118	346	122		
6057627A	651L	60279	6.6	94	209	234	70	88	88	114	359	117		
6057631A	651L	60279	6.5	86	229	239	72	84	85	107	373	117	0.205	3.292
6057635A	651L	60279	6.9	92	250	248	72	87	110	93	369	123		

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to me[illegible]gher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and [illegible]. for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that [illegible]erials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

Synthetic Industries
Individual Roll Data
Bill of Lading:625422

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6057563A	651L	60279	6.4									117		
6057605A	651L	60279	6.7	98	243	213	65	76	105	107	376	131		
6057609A	651L	60279	6.6	94	231	234	75	88	101	95	349	131		
6057639A	651L	60279	6.3	87	243	222	76	87	83	98	370	111		
6057643A	651L	60279	6.5	91	244	230	73	88	95	108	377	124		

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that terials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 21, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
Bol: 625437 625441 PO S061990-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1897*

Synthetic Industries
Individual Roll Data
Bill of Lading:625437

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	(XMD) lbs D4632	Elongation (MD) % D4632	(XMD) % D4632	Trap Tear (MD) lbs D4533	(XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6057548A	651L	60279	6.1	87	210	203	56	78	105	120	357	118		
6057560A	651L	60279	6.5	93	221	211	61	82	92	102	355	114		
6057566A	651L	60279	6.4									120		
6057586A	651L	60279	6.6	91	230	214	64	80	95	111	356	112		
6057590A	651L	60279	7.1	97	228	236	65	84	104	118	376	122		

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that ials produced during the production run meets our published minimum average roll values, approved rolls are shipped for torage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence est results listed above may include data from rolls which were not shipped. However, the data provided is from the same roduction run as the rolls actually shipped on this bill of lading.

0/1

14:14 Page 1

Synthetic Industries
Individual Roll Data
Bill of Lading:625441

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6057504A	651L	60279	6.9	93	230		68		91		371	112		3.394
6057507A	651L	60279	6.1	86	195	202	63	85	97	97	371	118		
6057536A	651L	60279	6.9	93	234	224	61	79	109	119	384	129		
6057540A	651L	60279	6.8	94	231	210	61	78	106	120	376	135		
6057544A	651L	60279	7.3	97	239	233	62	76	105	125	397	131		
6057552A	651L	60279	6.2	89	225	203	62	77	101	114	369	127		
6057594A	651L	60279	6.9	96	234	230	65	80	104	120	385	123		

Sid Wenzi

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 21, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
Bol: 625459 625466 PO S061990-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1897*

Synthetic Industries
Individual Roll Data
Bill of Lading:625459

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6057520A	651L	60279	6.4	85	209	197	61	74	97	112	397	121		
6061242A	651L	60294	6.7	87	223	211	69	78	99	108	362			
6061312A	651L	60294	6.5	89	229	207	71	84	108	115	366	119		
6061323A	651L	60294	7.0	96	231	231	71	80	99	124	363	122		
6061329A	651L	60294	6.7	96	214	225	70	81	88	108	343	115		

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet er frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that rials produced during the production run meets our published minimum average roll values, approved rolls are shipped for orage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence st results listed above may include data from rolls which were not shipped. However, the data provided is from the same oduction run as the rolls actually shipped on this bill of lading.

Synthetic Industries
Individual Roll Data
Bill of Lading:625466

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6061135A	651L	60294	6.6	91	227	212	65	79	106	115	389			
6061172A	651L	60294	6.7	89	230	223	67	78	113	121	342			
6061261A	651L	60294	6.9	103	215	227	65	83	105	132	374	122		
6061281A	651L	60294	6.5	91	218	211	66	82	107	112	392	116		
6061286A	651L	60294	6.8	94	209	210	66	86	90	106	369	130		
6061294A	651L	60294	6.6	91	217	207	65	82	99	109	379	120		
6061304A	651L	60294	7.0	96	241	225	69	82	103	123	379	119		
6061308A	651L	60294	7.0	95	236	231	69	83	100	110	376	128		

Sid Wessi

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

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00215

COMANCO

ENVIRONMENTAL CORPORATION

COPY

November 30, 1998

Mr. Bill Gilley
Director
SOLID WASTE SERVICES GROUP
County of Volusia, Florida
3151 E. New York Avenue
De Land, FL 32724

RE: **TOMOKA FARMS ROAD LANDFILL**
GEO-SYNTHETIC INSTALLATION
BI-PLANNER FABRA-NET
60 MIL TEXTURED
ALTERNATE PHASE III & IV
GSE MATERIAL QC/QA CERTIFICATES
CEC JOB #98-528

Dear Mr. Gilley:

Please find attached, QA/QC Certificates from GSE Lining Technologies, Inc. for the above referenced project.

Any questions, please telephone.

Sincerely,

COMANCO ENVIRONMENTAL CORPORATION

Mark A. Topp
President

Attachments

MAT/dkw
(A:64/98-528 /Gilley-QA/QC Certificates)

CC: Lee Powell

7911 PROFESSIONAL PLACE • TAMPA, FLORIDA 33637 • (813) 988-8829 • FAX (813) 988-8779

GSE Lining Technology, Inc.

LETTER OF TRANSMITTAL

02
Mark Topp
COMANCO Env Corporation
7911 Professional Place
Tampa, FL 33637

DATE:	November 24, 1998
JOB NO:	DS5226
MR NO:	7399-05
JOB NAME:	Volusia County
RE:	QC/QA Certificate

COPIES	DESCRIPTION
1	QC/QA Documentation as per Bill of Lading #07329

TRANSMIT VIA:

U.S. Mail

If enclosures are not as noted kindly notify us at once.

SIGNED : Tonya Switalski
DATE: November 24, 1998

Shipping Order - Packing List - Original - Not Negotiable

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Order Form.

GSE® GSE Lining Technology, Inc. at HOUSTON, TEXAS

SHIPPERS NO. H 07329

From GSE LINING TECHNOLOGY, INC.

ceived at ton, Texas from GSE Lining Technology, Inc. the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said arrier (the "Carrier" being understood throughout this Shipping Order as meaning the person or corporation in possession of the property) agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all any of s erty, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to either: (a) if the Shipper noted herein is GSE ning Techn.. ., Inc. as indicated by the designation of the "Shipper" to be GSE Lining Technology, Inc., then the Shipper and Carrier are subject to the terms and conditions contained in the Contract for Truck Transportation existing between the parties, (b) if the Shipper noted herein is not GSE Lining Technology, Inc., then GSE Lining Technology, Inc. is acting solely as the agent for the denoted Shipper, and thus every aspect of the service to be performed hereunder between the Shipper and the Carrier subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western, and Illinois Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable rrier classification or tariff if this is a motor carrier shipment. When acting in the capacity of an agent for a Shipper in placing the material in transit on behalf of a Shipper, GSE Lining Technology, Inc. accepts no liability for loss of amage to containers, or any other consequences occurring during transportation. Carrier having agreed that the transportation arrangement was initiated by the Shipper and not by GSE Lining Technology, Inc.

ubject to the above terms and conditions as to which party is the Shipper, Shipper hereby certifies that he is familiar with the terms and conditions that govern the transportation of this shipment, and the said terms and conditions are reby agreed and accepted for himself and his assigns.

xternal Ref. COMANCO ENVIRONMENTAL
MARK TOPF

Date Shipped NOVEMBER 20, 1998

onsigned to C/O VOLUSIA COUNTY SOLID WASTE

Customer P.O. # VERBAL

estination DAYTONA BEACH

State FL 32114

omments from M.R.

PC 01910008 CONTACT: MARK TOFF @ 813/988-5829

No. Packages	Roll #	Length	Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT
1	11016539 35	225	060 FABRINET 2 SIDED 6 OZ.	586
2	[redacted]	225	060 FABRINET 2 SIDED 6 OZ.	584
3	11016546 45	225	060 FABRINET 2 SIDED 6 OZ.	584
4	11016548	225	060 FABRINET 2 SIDED 6 OZ.	590
5	11016553 50	225	060 FABRINET 2 SIDED 6 OZ.	580
6	[redacted]	225	060 FABRINET 2 SIDED 6 OZ.	581
	11016636 40	225	060 FABRINET 2 SIDED 6 OZ.	594
	11016639	225	060 FABRINET 2 SIDED 6 OZ.	600
9	[redacted]	263	060 FABRINET 2 SIDED 6 OZ.	563
10	11016726 26	225	060 FABRINET 2 SIDED 6 OZ.	577
11	11016727	225	060 FABRINET 2 SIDED 6 OZ.	577
12	11016728	225	060 FABRINET 2 SIDED 6 OZ.	570
13	11016729	225	060 FABRINET 2 SIDED 6 OZ.	573
14	[redacted]	225	060 FABRINET 2 SIDED 6 OZ.	576
15	11016731	225	060 FABRINET 2 SIDED 6 OZ.	577
16	11016732	225	060 FABRINET 2 SIDED 6 OZ.	572
17	11000 /EACH		NET TIES	

Internal Ref.

Material Req. # 7399-05

Job # DS5226

Shippers # 007329

Bus/Market Seg. Code 0101

Terms: Prepaid/Collect PREPAID

Load Verification SIGNED

X

Truck/Container # 2140

Seal #

tal Square Ft.	50,932	Total Weight	9,284	VOL020001

arrier Ref. 11000 net ties

CARRIER NAME: ROADRUNNER TRUCKING

CARRIER SIGNATURE: [signature]

DATE: 11-20-98 11/20/98

Truckers P.O. # 86117750

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Here For Shipper

ipper: [signature]

ldress: 19103 GUNDLE ROAD
HOUSTON, TX 77073

Sign Here For Agent Of Shipper

Agent for Shipper: _____

(GSE LINING TECHNOLOGY, INC.
APPROVED AGENT FOR SHIPPER)
LAB.

STAR... Safety Through Accountability and Recognition

Mobil Polyethylene
Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

10/12/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.954
Lot Number	Z-51440	Melt Index (gm/10 min) I5	0.62
Hopper Car Number	ACFX-052069		
Quantity Shipped	183,800 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080041446		
Location Shipped To ALDINE, TX			

19 7932

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

STAR... Safety Through Accountability and Recognition

RC

Mobil Polyethylene
Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

10/12/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.953
Lot Number	E-51439	Melt Index (gm/10 min)IS	0.64
Hopper Car Number	ACFX-056479		
Quantity Shipped	189,550 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080041445		
Location Shipped To	ALDINE, TX		

20/24

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

GSE

Net Test Report

ROLL NO. 11016540

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	584	pounds
	265	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	621 lb/ft	9.24 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.07 %	
NET DENSITY	D 1505		0.940 g/cc		0.962 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				224 mil	5.69 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

20082122

GSE

Net Test Report

ROLL NO. 11016580

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	581	pounds
	264	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	600 lb/ft	8.93 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.47 %	
NEI . .NSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				228 mil	5.79 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082122

GSE

Net Test Report

ROLL NO. 11016665

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/31/98	
AREA:	3682	sq.ft.
	342	sq. meters
LENGTH:	263	feet
	80	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	466	pounds
	211	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	753 lb/ft	11.21 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.34 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				239 mil	6.07 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

30082122

GSE

Net Test Report

ROLL NO. 11016730

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	11/01/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	576	pounds
	261	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51439
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	666 lb/ft	9.91 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.55 %	
NE 'NSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				227 mil	5.76 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

COMANCO

ENVIRONMENTAL CORPORATION

COPY

December 7, 1998

Mr. Bill Gilley
Director
SOLID WASTE SERVICES GROUP
County of Volusia, Florida
3151 E. New York Avenue
De Land, FL 32724

RE: **TOMOKA FARMS ROAD LANDFILL**
GEO-SYNTHETIC INSTALLATION
BI-PLANNER FABRA-NET
ALTERNATE PHASE III & IV
GSE MATERIAL QC/QA CERTIFICATES
CEC JOB #98-528

Dear Mr. Gilley:

Please find attached, QA/QC Certificates from GSE Lining Technologies, Inc. for the above referenced project.

Any questions, please telephone.

Sincerely,

COMANCO ENVIRONMENTAL CORPORATION

Mark A. Topp
President

Attachments

MAT/dkw
(A:6498-528 /Gilley-QA/QC Certificates)

CC: Lee Powell

7911 PROFESSIONAL PLACE • TAMPA, FLORIDA 33637 • (813) 988-8829 • FAX (813) 988-8779

GSE Lining Technology, Inc.

LETTER OF TRANSMITTAL

02
Mark Topp
COMANCO Env Corporation
7911 Professional Place
Tampa, FL 33637

DATE:	December 1, 1998
JOB NO:	DS5226
MR NO:	7399-05
JOB NAME:	Volusia County
RE:	QC/QA Certificate

COPIES	DESCRIPTION
1	QC/QA Documentation as per Bill of Lading #07333

TRANSMIT VIA:

U.S. Mail

If enclosures are not as noted kindly notify us at once.

SIGNED : Tonya Switalski
DATE: December 1, 1998

Shipping Order - Packing List - Original - Not Negotiable

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Order Form.

SHIPPERS NO. H 07333

GSE® GSE Lining Technology, Inc. at HOUSTON, TEXAS

From GSE LINING TECHNOLOGY, INC.

eceived on, Texas from GSE Lining Technology, Inc. the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (th Carrier" being understood throughout this Shipping Order as meaning the person or corporation in possession of the property) agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all r any of sa ...operty, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to either: (a) if the Shipper noted herein is GSE ining Technology, Inc., as indicated by the designation of the "Shipper" to be GSE Lining Technology, Inc., then the Shipper and Carrier are subject to the terms and conditions contained in the Contract for Truck Transportation existing between the parties, r (b) if the Shipper noted herein is not GSE Lining Technology, Inc., then GSE Lining Technology, Inc. is acting solely as the agent for the denoted Shipper, and thus every aspect of the service to be performed hereunder between the Shipper and the Carrier subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western, and Illinois Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable rrier classification or tariff if this is a motor carrier shipment. When acting in the capacity of an agent for a Shipper in placing the material in transit on behalf of a Shipper, GSE Lining Technology, Inc. accepts no liability for loss of amage to containers, or any other consequences occurring during transportation. Carrier having agreed that the transportation arrangement was initiated by the Shipper and not by GSE Lining Technology, Inc.

ubject to the above terms and conditions as to which party is the Shipper, Shipper hereby certifies that he is familiar with the terms and conditions that govern the transportation of this shipment, and the said terms and conditions are ereby agreed and accepted for himself and his assigns.

External Ref. COMANCO ENVIRONMENTAL
MARK TOPP

Consigned to C/O VOLUSIA COUNTY SOLID WASTE

Destination DAYTONA BEACH

Date Shipped [redacted]

Customer P.O. # VERBAL

State FL 32114

Comments from M.R.

PO 01910008 CONTACT: MARK TOPP @ 813/988-8829

No. Packages	Roll #	Length	Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT
1	11016534	225	060 FABRINET 2 SIDED 6 OZ.	589
2	11016537	225	060 FABRINET 2 SIDED 6 OZ.	586
3	11016544	225	060 FABRINET 2 SIDED 6 OZ.	587
4	11016550	225	060 FABRINET 2 SIDED 6 OZ.	586
5	11016554	225	060 FABRINET 2 SIDED 6 OZ.	580
6	11016577	225	060 FABRINET 2 SIDED 6 OZ.	581
	11016582	225	060 FABRINET 2 SIDED 6 OZ.	580
8	11016591	225	060 FABRINET 2 SIDED 6 OZ.	583
9	11016592	225	060 FABRINET 2 SIDED 6 OZ.	581
10	11016593	225	060 FABRINET 2 SIDED 6 OZ.	583
11	11016594	225	060 FABRINET 2 SIDED 6 OZ.	596
12	11016638	225	060 FABRINET 2 SIDED 6 OZ.	598
13	11016640	225	060 FABRINET 2 SIDED 6 OZ.	600
14	11016641	225	060 FABRINET 2 SIDED 6 OZ.	597
15	11016642	225	060 FABRINET 2 SIDED 6 OZ.	594
16	11016643	225	060 FABRINET 2 SIDED 6 OZ.	595
17	11016644	225	060 FABRINET 2 SIDED 6 OZ.	594
18	11016645	225	060 FABRINET 2 SIDED 6 OZ.	594
19	11016646	225	060 FABRINET 2 SIDED 6 OZ.	595
20	11016647	225	060 FABRINET 2 SIDED 6 OZ.	591
21	11016648	225	060 FABRINET 2 SIDED 6 OZ.	592
22	11016651	225	060 FABRINET 2 SIDED 6 OZ.	584
23	11016652	225	060 FABRINET 2 SIDED 6 OZ.	587
24	11016656	225	060 FABRINET 2 SIDED 6 OZ.	593

Internal Ref.

Material Req. # [redacted]

Job # D55226

Shippers # 007333

Bus/Market Seg. Code 0101

Terms: Prepaid/Collect PREPAID

Load Verification SIGNED

X

Truck/Container # 2139

Seal #

Total Square Ft.	75,600	Total Weight	14,151	VOL020001

Carrier Ref. 1000 NET TIES

CARRIER NAME: MPH

CARRIER SIGNATURE: Charlie Barbour

DATE: 11-20-98 11/20/98

Truckers P.O. # 86117750

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Here For Shipper

Shipper: Jeff Gunter

Address: 19103 GUNDLE ROAD
HOUSTON, TX 77073

Sign Here For Agent Of Shipper

Agent for Shipper: _____

(GSE LINING TECHNOLOGY, INC.
APPROVED AGENT FOR SHIPPER)
LAB.

STAR... Safety Through Accountability and Recognition

Mobil Polyethylene

Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

10/12/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.954
Lot Number	Z-51440	Melt Index (gm/10 min) I5	0.62
Hopper Car Number	ACFX-052069		
Quantity Shipped	183,800 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080041446		
Location Shipped To ALDINE, TX			

197932

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

G E

Net Test Report

ROLL NO. 11016530

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	583	pounds
	264	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	705 lb/ft	10.49 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CA. .V BLACK CONTENT	D 1603	2.00 %		2.61 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				227 mil	5.76 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

DATE SHIPPED

JOB NO.

CO..'ENTS

20082122

GSE

Net Test Report

ROLL NO. 11016535

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	586	pounds
	266	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	672 lb/ft	10.00 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.57 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				218 mil	5.53 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

GSE

Net Test Report

ROLL NO. 11016550

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	586	pounds
	266	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	663 lb/ft	9.87 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.58 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				224 mil	5.69 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11-12-98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

JOB NO.

COMMENTS

DATE SHIPPED

20082122

GSE

Net Test Report

ROLL NO. 11016575

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	573	pounds
	260	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	585 lb/ft	8.71 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.49 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				221 mil	5.61 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS

DATE SHIPPED

20082122

GSE

Net Test Report

ROLL NO. 11016640

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/29/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	600	pounds
	272	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	711 lb/ft	10.58 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CA[illegible]' BLACK CONTENT	D 1603	2.00 %		2.23 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				232 mil	5.89 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11-12-98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

GSE

Net Test Report

ROLL NO. 11016645

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/29/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	594	pounds
	269	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	609 lb/ft	9.06 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.38 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				226 mil	5.74 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

GSE Lining Technology, Inc.

LETTER OF TRANSMITTAL

02
Mark Topp
COMANCO Env Corporation
7911 Professional Place
Tampa, FL 33637

DATE:	December 1, 1998
JOB NO:	DS5226
MR NO:	7399-05
JOB NAME:	Volusia County
RE:	QC/QA Certificate

COPIES	DESCRIPTION
1	QC/QA Documentation as per Bill of Lading #07332

TRANSMIT VIA:

U.S. Mail

If enclosures are not as noted kindly notify us at once.

SIGNED : Tonya Switalski
DATE: December 1, 1998

Shipping Order - Packing List - Original - Not Negotiable

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Order Form.

SHIPPERS NO. H 07332

GSE® GSE Lining Technology, Inc. at HOUSTON, TEXAS

From GSE LINING TECHNOLOGY, INC.

ceived at Houston, Texas from GSE Lining Technology, Inc. the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, whi rrier (the word "Carrier" being understood throughout this Shipping Order as meaning the person or corporation in possession of the property) agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carri any of said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to either: (a) if the Shipper noted herein ning Technology, Inc., as indicated by the designation of the "Shipper" to be GSE Lining Technology, Inc., then the Shipper and Carrier are subject to the terms and conditions contained in the Contract for Truck Transportation existing between the parties, (b) if the Shipper noted herein is not GSE Lining Technology, Inc., then GSE Lining Technology, Inc. is acting solely as the agent for the denoted Shipper, and thus every aspect of the service to be performed hereunder between the Shipper and the Carrier subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western, and Illinois Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable rier classification or tariff if this is a motor carrier shipment. When acting in the capacity of an agent for a Shipper in placing the material in transit on behalf of a Shipper, GSE Lining Technology, Inc. accepts no liability for loss of amage to containers, or any other consequences occurring during transportation, Carrier having agreed that the transportation arrangement was initiated by the Shipper and not by GSE Lining Technology, Inc.

ubject to the above terms and conditions as to which party is the Shipper, Shipper hereby certifies that he is familiar with the terms and conditions that govern the transportation of this shipment, and the said terms and conditions are reby agreed and accepted for himself and his assigns.

xternal Ref. COMANCO ENVIRONMENTAL
MARK TOPP

Date Shipped [redacted]

onsigned to C/O VOLUSIA COUNTY SOLID WASTE

estination DAYTONA BEACH

Customer P.O. # VERBAL

State FL 32114

omments from M.R.

PC 01910008 CONTACT: MARK TOPP @ 813/968-8829

No. Packages	Roll #	Length	Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT
1	11016466	225	060 FABRINET 2 SIDED 6 OZ.	583
2	11016467 10	225	060 FABRINET 2 SIDED 6 OZ.	584
3	11016475 •	225	060 FABRINET 2 SIDED 6 OZ.	585
4	11016480 •	225	060 FABRINET 2 SIDED 6 OZ.	582
5	11016488 90	225	060 FABRINET 2 SIDED 6 OZ.	575
6	11016497	225	060 FABRINET 2 SIDED 6 OZ.	576
7	11016498	225	060 FABRINET 2 SIDED 6 OZ.	582
8	11016499 500	225	060 FABRINET 2 SIDED 6 OZ.	591
9	11016502	225	060 FABRINET 2 SIDED 6 OZ.	591
10	11016503	225	060 FABRINET 2 SIDED 6 OZ.	579
11	11016504 05	225	060 FABRINET 2 SIDED 6 OZ.	579
12	11016508 10	225	060 FABRINET 2 SIDED 6 OZ.	580
13	11016511 15	225	060 FABRINET 2 SIDED 6 OZ.	578
14	11016543 45	225	060 FABRINET 2 SIDED 6 OZ.	587
15	11016584 85	225	060 FABRINET 2 SIDED 6 OZ.	582
16	11016589	225	060 FABRINET 2 SIDED 6 OZ.	583
17	11016590 •	225	060 FABRINET 2 SIDED 6 OZ.	581
18	11016650 •	225	060 FABRINET 2 SIDED 6 OZ.	593
19	11016654	225	060 FABRINET 2 SIDED 6 OZ.	589
20	11016655 •	225	060 FABRINET 2 SIDED 6 OZ.	596
21	11016657	225	060 FABRINET 2 SIDED 6 OZ.	592
22	11016658	225	060 FABRINET 2 SIDED 6 OZ.	595
23	11016660 •	225	060 FABRINET 2 SIDED 6 OZ.	592
24	11016661 65	225	060 FABRINET 2 SIDED 6 OZ.	592

Internal Ref.

Material Req. # [redacted]

Job # DS5226

Shippers # 007332

Bus/Market Seg. Code 0101

Terms: Prepaid/Collect PREPAID

Load Verification SIGNED

X

Truck/Container #

Seal #

otal Square Ft.	75,600	Total Weight	14,047	VOL020001

arrier Ref.

CARRIER NAME: 3 Straps 2 Winches TEAU'S Bridge

CARRIER SIGNATURE: [signature]

DATE: 11-20-98 11/20/98

Truckers P.O. # 86117750

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Here For Shipper

Shipper: [signature]

ddress: 19103 GUNDLE ROAD
HOUSTON, TX 77073

Sign Here For Agent Of Shipper

Agent for Shipper: _____

(GSE LINING TECHNOLOGY, INC.
APPROVED AGENT FOR SHIPPER)
LAB.

STAR... Safety Through Accountability and Recognition

Mobil Polyethylene
Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

10/12/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.954
Lot Number	Z-51440	Melt Index (gm/10 min) I5	0.62
Hopper Car Number	ACFX-052069		
Quantity Shipped	183,800 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080041446		
Location Shipped To ALDINE, TX			

197932

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

GSE

Net Test Report

ROLL NO. 11016470

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	583	pounds
	264	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	612 lb/ft	9.11 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.49 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				221 mil	5.61 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11.12.98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

C E

Net Test Report

ROLL NO. 11016475

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	585	pounds
	265	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	582 lb/ft	8.66 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CA √ BLACK CONTENT	D 1603	2.00 %		2.30 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				221 mil	5.61 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

GSE

Net Test Report

ROLL NO. 11016480

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	587	pounds
	266	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	621 lb/ft	9.24 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.62 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				225 mil	5.71 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

C E

Net Test Report

ROLL NO. 11016490

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	577	pounds
	262	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	612 lb/ft	9.11 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CA. √ BLACK CONTENT	D 1603	2.00 %		2.51 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				219 mil	5.56 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082122

GSE

Net Test Report

ROLL NO. 11016500

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	576	pounds
	261	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	675 lb/ft	10.05 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.58 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				234 mil	5.94 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

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CUSTOMER:

JOB NO.

COMMENTS _____

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20082122

GSE

Net Test Report

ROLL NO. 11016505

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	567	pounds
	257	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	612 lb/ft	9.11 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.22 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				223 mil	5.66 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

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CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

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GSE

Net Test Report

ROLL NO. 11016510

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	579	pounds
	263	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	714 lb/ft	10.63 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.48 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				232 mil	5.89 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

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CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

GSE

Net Test Report

ROLL NO. 11016515

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	579	pounds
	263	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	801 lb/ft	11.92 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.46 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				229 mil	5.81 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082122

GSE

Net Test Report

ROLL NO. 11016545

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	584	pounds
	265	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	621 lb/ft	9.24 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.30 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				228 mil	5.79 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

CTE

Net Test Report

ROLL NO. 11016585

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	585	pounds
	265	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	540 lb/ft	8.04 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.42 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				223 mil	5.66 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11-12-98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

GSE

Net Test Report

ROLL NO. 11016590

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	581	pounds
	264	kilograms

RESIN LOT INFORMATION

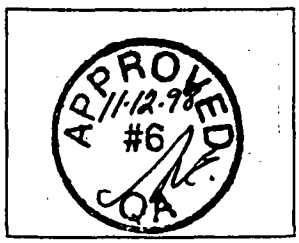
LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	597 lb/ft	8.88 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.14 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				220 mil	5.58 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.



CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082122

GSE

Net Test Report

ROLL NO. 11016650

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/29/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	593	pounds
	269	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	585 lb/ft	8.71 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.31 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				229 mil	5.81 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

20062122

GSE

Net Test Report

ROLL NO. 11016655

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/29/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	596	pounds
	270	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	579 lb/ft	8.62 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.39 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				228 mil	5.79 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

20082122

GSE

Net Test Report

ROLL NO. 11016660

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/29/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	592	pounds
	269	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	540 lb/ft	8.04 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.36 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				218 mil	5.53 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

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20082122

COMANCO

ENVIRONMENTAL CORPORATION

COPY

December 7, 1998

Mr. Bill Gilley
Director
SOLID WASTE SERVICES GROUP
County of Volusia, Florida
3151 E. New York Avenue
De Land, FL 32724

RE: **TOMOKA FARMS ROAD LANDFILL**
GEO-SYNTHETIC INSTALLATION
BI-PLANNER FABRA-NET
ALTERNATE PHASE III & IV
GSE MATERIAL QC/QA CERTIFICATES
CEC JOB #98-528

Dear Mr. Gilley:

Please find attached, QA/QC Certificates from GSE Lining Technologies, Inc. for the above referenced project.

Any questions, please telephone.

Sincerely,

COMANCO ENVIRONMENTAL CORPORATION

Mark A. Topp
President

Attachments

MAT/dkw
(A:6498-528 /Gilley-QA/QC Certificates)

CC: Lee Powell

7911 PROFESSIONAL PLACE • TAMPA, FLORIDA 33637 • (813) 988-8829 • FAX (813) 988-8779

GSE Lining Technology, Inc.

LETTER OF TRANSMITTAL

02
Mark Topp
COMANCO Env Corporation
7911 Professional Place
Tampa, FL 33637

DATE:	December 1, 1998
JOB NO:	DS5226
MR NO:	7399-05
JOB NAME:	Volusia County
RE:	QC/QA Certificate

COPIES	DESCRIPTION
1	QC/QA Documentation as per Bill of Lading #07333

TRANSMIT VIA:

U.S. Mail

If enclosures are not as noted kindly notify us at once.

SIGNED : Tonya Switalski
DATE: December 1, 1998

Shipping Order - Packing List - Original - Not Negotiable

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Order Form.

SHIPPERS NO. H 07333

GSE® GSE Lining Technology, Inc. at HOUSTON, TEXAS

From GSE LINING TECHNOLOGY, INC.

Received on, Texas from GSE Lining Technology, Inc. the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the "Carrier" being understood throughout this Shipping Order as meaning the person or corporation in possession of the property) agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any of said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to all the conditions contained in the Contract for Truck Transportation existing between the parties, Lining Technology, Inc., as indicated by the designation of the "Shipper" to be GSE Lining Technology, Inc., then the Shipper and Carrier are subject to the terms and conditions contained in the Contract for Truck Transportation existing between the parties, (b) if the Shipper noted herein is not GSE Lining Technology, Inc., then GSE Lining Technology, Inc. is acting solely as the agent for the denoted Shipper, and thus every aspect of the service to be performed hereunder between the Shipper and the Carrier subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western, and Illinois Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable carrier classification or tariff if this is a motor carrier shipment. When acting in the capacity of an agent for a Shipper in placing the material in transit on behalf of a Shipper, GSE Lining Technology, Inc. accepts no liability for loss of damage to containers, or any other consequences occurring during transportation, Carrier having agreed that the transportation arrangement was initiated by the Shipper and not by GSE Lining Technology, Inc.

Subject to the above terms and conditions as to which party is the Shipper, Shipper hereby certifies that he is familiar with the terms and conditions that govern the transportation of this shipment, and the said terms and conditions are hereby agreed and accepted for himself and his assigns.

External Ref. COMANCO ENVIRONMENTAL
MARK TOPP

Consigned to C/O VOLUSIA COUNTY SOLID WASTE

Destination DAYTONA BEACH

Date Shipped [redacted]

Customer P.O. # VERBAL

State FL 32114

Comments from M.R.

PO 01910008 CONTACT: MARK TOPP @ 813/988-8829

No. Packages	Roll #	Length	Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT
1	11016534	30	225 060 FABRINET 2 SIDED 6 OZ.	589
2	11016537	35	225 060 FABRINET 2 SIDED 6 OZ.	586
3	11016544	45	225 060 FABRINET 2 SIDED 6 OZ.	587
4	11016550		225 060 FABRINET 2 SIDED 6 OZ.	586
5	11016554		225 060 FABRINET 2 SIDED 6 OZ.	580
6	11016577	15	225 060 FABRINET 2 SIDED 6 OZ.	581
	11016582		225 060 FABRINET 2 SIDED 6 OZ.	580
8	11016591	90	225 060 FABRINET 2 SIDED 6 OZ.	583
9	11016592		225 060 FABRINET 2 SIDED 6 OZ.	581
10	11016593		225 060 FABRINET 2 SIDED 6 OZ.	588
11	11016594		225 060 FABRINET 2 SIDED 6 OZ.	596
12	11016638		225 060 FABRINET 2 SIDED 6 OZ.	598
13	11016640		225 060 FABRINET 2 SIDED 6 OZ.	600
14	11016641		225 060 FABRINET 2 SIDED 6 OZ.	597
15	11016642		225 060 FABRINET 2 SIDED 6 OZ.	594
16	11016643		225 060 FABRINET 2 SIDED 6 OZ.	595
17	11016644		225 060 FABRINET 2 SIDED 6 OZ.	594
18	11016645		225 060 FABRINET 2 SIDED 6 OZ.	594
19	11016646		225 060 FABRINET 2 SIDED 6 OZ.	595
20	11016647		225 060 FABRINET 2 SIDED 6 OZ.	591
21	11016648		225 060 FABRINET 2 SIDED 6 OZ.	592
22	11016651	50	225 060 FABRINET 2 SIDED 6 OZ.	584
23	11016652		225 060 FABRINET 2 SIDED 6 OZ.	587
24	11016656	55	225 060 FABRINET 2 SIDED 6 OZ.	593

Internal Ref.

Material Req. # [redacted]

Job # D55226

Shippers # 007333

Bus/Market Seg. Code 0101

Terms: Prepaid/Collect PREPAID

Load Verification SIGNED

X

Truck/Container # 2139

Seal #

Total Square Ft.	75,600	Total Weight	14,151	VOL020001

Carrier Ref. 1000 NET TIES

CARRIER NAME: MPH

CARRIER SIGNATURE: Charlie Barbour

DATE: 11-20-98

11/20/98

Truckers P.O. # 86117750

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Sign Here For Shipper

Shipper: [signature]

Address: 19103 GUNDLE ROAD
HOUSTON, TX 77073

Sign Here For Agent Of Shipper

Agent for Shipper: _____

(GSE LINING TECHNOLOGY, INC.
APPROVED AGENT FOR SHIPPER)
LAB.

STAR... Safety Through Accountability and Recognition

RC

Mobil Polyethylene
Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

10/12/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.954
Lot Number	Z-51440	Melt Index (gm/10 min) I5	0.62
Hopper Car Number	ACFX-052069		
Quantity Shipped	183,800 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080041446		
Location Shipped To ALDINE, TX			

197932

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

G E

Net Test Report

ROLL NO. 11016530

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	583	pounds
	264	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	705 lb/ft	10.49 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CAI BLACK CONTENT	D 1603	2.00 %		2.61 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				227 mil	5.76 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS

DATE SHIPPED _____

20082122

GSE

Net Test Report

ROLL NO. 11016535

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	586	pounds
	266	kilograms

RESIN LOT INFORMATION

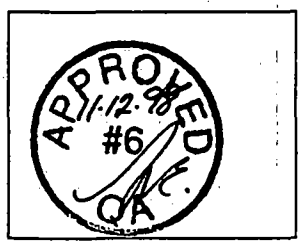
LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	672 lb/ft	10.00 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.57 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				218 mil	5.53 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.



CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

C E

Net Test Report

ROLL NO. 11016550

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	586	pounds
	266	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	663 lb/ft	9.87 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CA. / BLACK CONTENT	D 1603	2.00 %		2.58 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				224 mil	5.69 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS

DATE SHIPPED

20082122

GSE

Net Test Report

ROLL NO. 11016575

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	573	pounds
	260	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	585 lb/ft	8.71 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.49 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				221 mil	5.61 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS

DATE SHIPPED

20082122

GSE

Net Test Report

ROLL NO. 11016640

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/29/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	600	pounds
	272	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	711 lb/ft	10.58 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CAR BLACK CONTENT	D 1603	2.00 %		2.23 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				232 mil	5.89 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

GSE

Net Test Report

ROLL NO. 11016645

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/29/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	594	pounds
	269	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	609 lb/ft	9.06 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.38 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				226 mil	5.74 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS

DATE SHIPPED

20082122

GSE Lining Technology, Inc.

LETTER OF TRANSMITTAL

02
Mark Topp
COMANCO Env Corporation
7911 Professional Place
Tampa, FL 33637

DATE:	December 1, 1998
JOB NO:	DS5226
MR NO:	7399-05
JOB NAME:	Volusia County
RE:	QC/QA Certificate

COPIES	DESCRIPTION
1	QC/QA Documentation as per Bill of Lading #07332

TRANSMIT VIA:

U.S. Mail

If enclosures are not as noted kindly notify us at once.

SIGNED : Tonya Switalski
DATE: December 1, 1998

Shipping Order - Packing List - Original - Not Negotiable

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Order Form.

SHIPPERS NO. H 07332

GSE® GSE Lining Technology, Inc. at HOUSTON, TEXAS

From GSE LINING TECHNOLOGY, INC.

Received at Houston, Texas from GSE Lining Technology, Inc. the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which carrier (the word "Carrier" being understood throughout this Shipping Order as meaning the person or corporation in possession of the property) agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of any of said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to either: (a) if the Shipper noted herein is using Technology, Inc., as indicated by the designation of the "Shipper" to be GSE Lining Technology, Inc., then the Shipper and Carrier are subject to the terms and conditions contained in the Contract for Truck Transportation existing between the Shipper and GSE Lining Technology, Inc.; or (b) if the Shipper noted herein is not GSE Lining Technology, Inc., then GSE Lining Technology, Inc. is acting solely as the agent for the denoted Shipper, and thus every aspect of the service to be performed hereunder between the Shipper and the Carrier is subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western, and Illinois Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. When acting in the capacity of an agent for a Shipper in placing the material in transit on behalf of a Shipper, GSE Lining Technology, Inc. accepts no liability for loss of or damage to containers, or any other consequences occurring during transportation, Carrier having agreed that the transportation arrangement was initiated by the Shipper and not by GSE Lining Technology, Inc.

Subject to the above terms and conditions as to which party is the Shipper, Shipper hereby certifies that he is familiar with the terms and conditions that govern the transportation of this shipment, and the said terms and conditions are hereby agreed and accepted for himself and his assigns.

External Ref. COMANCO ENVIRONMENTAL
MARK TOPP

Consigned to C/O VOLUSIA COUNTY SOLID WASTE

Destination DAYTONA BEACH

Date Shipped [redacted]

Customer P.O. # VERBAL

State FL 32114

Comments from M.R.

PC 01910008 CONTACT: MARK TOPP @ 813/968-8829

No. Packages	Roll #	Length	Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT
1	11016466	225	060 FABRINET 2 SIDED 6 OZ.	583
2	11016467 70	225	060 FABRINET 2 SIDED 6 OZ.	584
3	11016475 •	225	060 FABRINET 2 SIDED 6 OZ.	585
4	11016480 •	225	060 FABRINET 2 SIDED 6 OZ.	582
5	11016488 90	225	060 FABRINET 2 SIDED 6 OZ.	575
6	11016497	225	060 FABRINET 2 SIDED 6 OZ.	576
7	11016498	225	060 FABRINET 2 SIDED 6 OZ.	582
8	11016499 500	225	060 FABRINET 2 SIDED 6 OZ.	591
9	11016502	225	060 FABRINET 2 SIDED 6 OZ.	591
10	11016503	225	060 FABRINET 2 SIDED 6 OZ.	579
11	11016504 05	225	060 FABRINET 2 SIDED 6 OZ.	579
12	11016508 10	225	060 FABRINET 2 SIDED 6 OZ.	580
13	11016511 15	225	060 FABRINET 2 SIDED 6 OZ.	578
14	11016543 45	225	060 FABRINET 2 SIDED 6 OZ.	587
15	11016584 85	225	060 FABRINET 2 SIDED 6 OZ.	582
16	11016589	225	060 FABRINET 2 SIDED 6 OZ.	583
17	11016590 •	225	060 FABRINET 2 SIDED 6 OZ.	581
18	11016650 •	225	060 FABRINET 2 SIDED 6 OZ.	593
19	11016654	225	060 FABRINET 2 SIDED 6 OZ.	589
20	11016655 •	225	060 FABRINET 2 SIDED 6 OZ.	596
21	11016657	225	060 FABRINET 2 SIDED 6 OZ.	592
22	11016658	225	060 FABRINET 2 SIDED 6 OZ.	595
23	11016660 •	225	060 FABRINET 2 SIDED 6 OZ.	592
24	11016661 65	225	060 FABRINET 2 SIDED 6 OZ.	592

Internal Ref.

Material Req. # [redacted]

Job # DS5226

Shippers # 007332

Bus/Market Seg. Code 0101

Terms: Prepaid/Collect PREPAID

Load Verification SIGNED

X

Truck/Container #

Seal #

Total Square Ft.	75,600	Total Weight	14,047	VDL020001

Carrier Ref.

CARRIER NAME: 3 Straps 2 Winches Teaus bridge

CARRIER SIGNATURE: [signature]

DATE: 11-20-98 11/20/98

Truckers P.O. # 86117750

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Here For Shipper

Shipper: [signature]

Address: 19103 GUNDLE ROAD
HOUSTON, TX 77073

Sign Here For Agent Of Shipper

Agent for Shipper: _____

(GSE LINING TECHNOLOGY, INC.
APPROVED AGENT FOR SHIPPER)
LAB.

STAR... Safety Through Accountability and Recognition

Mobil Polyethylene

Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

10/12/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.954
Lot Number	Z-51440	Melt Index (gm/10 min) I5	0.62
Hopper Car Number	ACFX-052069		
Quantity Shipped	183,800 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080041446		

197932

Location Shipped To
ALDINE, TX

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

GSE

Net Test Report

ROLL NO. 11016470

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	583	pounds
	264	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min..	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	612 lb/ft	9.11 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.49 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				221 mil	5.61 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS

DATE SHIPPED

20082122

GSE

Net Test Report

ROLL NO. 11016475

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	585	pounds
	265	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	582 lb/ft	8.66 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.30 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				221 mil	5.61 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11-12-98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

GSE

Net Test Report

ROLL NO. 11016480

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	587	pounds
	266	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	621 lb/ft	9.24 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.62 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				225 mil	5.71 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

CCE

Net Test Report

ROLL NO. 11016490

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	577	pounds
	262	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	612 lb/ft	9.11 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.51 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				219 mil	5.56 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11/12/98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

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JOB NO.

COMMENTS

20082122

GSE

Net Test Report

ROLL NO. 11016500

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	576	pounds
	261	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	675 lb/ft	10.05 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.58 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				234 mil	5.94 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

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CUSTOMER:

JOB NO.

COMMENTS _____

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GSE

Net Test Report

ROLL NO. 11016505

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	567	pounds
	257	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	612 lb/ft	9.11 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CAI BLACK CONTENT	D 1603	2.00 %		2.22 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				223 mil	5.66 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082122

GSE

Net Test Report

ROLL NO. 11016510

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	579	pounds
	263	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	714 lb/ft	10.63 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.48 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				232 mil	5.89 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

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CUSTOMER:

JOB NO.

COMMENTS _____

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GSE

Net Test Report

ROLL NO. 11016515

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	579	pounds
	263	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	801 lb/ft	11.92 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.46 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				229 mil	5.81 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11-12-98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

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COMMENTS

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GSE

Net Test Report

ROLL NO. 11016545

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	584	pounds
	265	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	621 lb/ft	9.24 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.30 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				228 mil	5.79 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11-12-98 #6 QA

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CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

GSE

Net Test Report

ROLL NO. 11016585

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	585	pounds
	265	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	540 lb/ft	8.04 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.42 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				223 mil	5.66 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

20082122

GSE

Net Test Report

ROLL NO. 11016590

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	581	pounds
	264	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	597 lb/ft	8.88 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.14 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				220 mil	5.58 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

JOB NO.

DATE SHIPPED _____

COMMENTS _____

20082122

GSE

Net Test Report

ROLL NO. 11016650

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/29/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	593	pounds
	269	kilograms

RESIN LOT INFORMATION

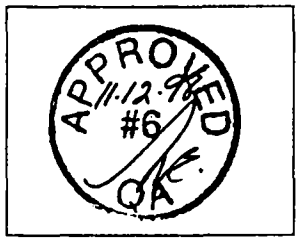
LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	585 lb/ft	8.71 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.31 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				229 mil	5.81 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.



CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

GSE

Net Test Report

ROLL NO. 11016655

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/29/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	596	pounds
	270	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	579 lb/ft	8.62 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.39 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				228 mil	5.79 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11-12-98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

GSE

Net Test Report

ROLL NO. 11016660

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/29/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	592	pounds
	269	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	540 lb/ft	8.04 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.36 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				218 mil	5.53 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

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COMMENTS

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COMANCO

ENVIRONMENTAL CORPORATION

December 8, 1998

Mr. Bill Gilley
Director
SOLID WASTE SERVICES GROUP
County of Volusia, Florida
3151 E. New York Avenue
De Land, FL 32724

RE: **TOMOKA FARMS ROAD LANDFILL**
GEO-SYNTHETIC INSTALLATION
BI-PLANNER FABRA-NET
60 MIL TEXTURED
ALTERNATE PHASE III & IV
GSE MATERIAL QC/QA CERTIFICATES
CEC JOB #98-528

Dear Mr. Gilley:

Please find attached, QA/QC Certificates from GSE Lining Technologies, Inc. for the above referenced project.

Any questions, please telephone.

Sincerely,

COMANCO ENVIRONMENTAL CORPORATION

Mark A. Topp
President

Attachments

MAT/dkw
(A:64/98-528 /Gilley-QA/QC Certificates)

CC: Lee Powell

7911 PROFESSIONAL PLACE • TAMPA, FLORIDA 33637 • (813) 988-8829 • FAX (813) 988-9770

Shipping Order - Packing List - Original - Not Negotiable

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Order Form.

SHIPPERS NO. H 07362

GSE® GSE Lining Technology, Inc. at HOUSTON, TEXAS

From GSE LINING TECHNOLOGY, INC.

eceived at Houston, Texas from GSE Lining Technology, Inc. the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said arrier (the word "Carrier" being understood throughout this Shipping Order as meaning the person or corporation in possession of the property) agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier any of said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to either: (a) if the Shipper noted herein ning Technology, Inc., as indicated by the designation of the "Shipper" to be GSE Lining Technology, Inc., then the Shipper and Carrier are subject to the terms and conditions contained in the Contract for Truck Transportation existing between the (b) if the Shipper noted herein is not GSE Lining Technology, Inc., then GSE Lining Technology, Inc. is acting solely as the agent for the denoted Shipper, and thus every aspect of the service to be performed hereunder between the Shipper and the subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western, and Illinois Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable mer classification or tariff if this is a motor carrier shipment. When acting in the capacity of an agent for a Shipper in placing the material in transit on behalf of a Shipper, GSE Lining Technology, Inc. accepts no liability for loss of amage to containers, or any other consequences occurring during transportation. Carrier having agreed that the transportation arrangement was initiated by the Shipper and not by GSE Lining Technology, Inc.

ubject to the above terms and conditions as to which party is the Shipper, Shipper hereby certifies that he is familiar with the terms and conditions that govern the transportation of this shipment, and the said terms and conditions are ereby agreed and accepted for himself and his assigns.

External Ref. COMMERCIAL ENVIRONMENTAL
MARK TOPP

Consigned to C/O VOLUSIA COUNTY SOLID WASTE
Destination DAYTONA BEACH

Date Shipped NOVEMBER 30, 1998

Customer P.O. # VERBAL

State FL 32114

Comments from M.R.
PO 01910008 CONTACT: MARK TOPP @ 813/988-6829

No. Packages	Roll #	Length	Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT
1	11016465	225	060 FABRINET 2 SIDED 6 OZ.	580
2	11016468	225	060 FABRINET 2 SIDED 6 OZ.	582
3	11016469	225	060 FABRINET 2 SIDED 6 OZ.	580
4	11016470	225	060 FABRINET 2 SIDED 6 OZ.	583
5	11016474	225	060 FABRINET 2 SIDED 6 OZ.	587
6	11016476	225	060 FABRINET 2 SIDED 6 OZ.	585
7	11016477	225	060 FABRINET 2 SIDED 6 OZ.	582
8	11016478	225	060 FABRINET 2 SIDED 6 OZ.	583
9	11016481	225	060 FABRINET 2 SIDED 6 OZ.	585
10	11016482	225	060 FABRINET 2 SIDED 6 OZ.	578
11	11016491	225	060 FABRINET 2 SIDED 6 OZ.	577
12	11016492	225	060 FABRINET 2 SIDED 6 OZ.	581
13	11016493	225	060 FABRINET 2 SIDED 6 OZ.	580
14	11016510	225	060 FABRINET 2 SIDED 6 OZ.	579
15	11016513	225	060 FABRINET 2 SIDED 6 OZ.	578
16	11016517	225	060 FABRINET 2 SIDED 6 OZ.	585
17	11016561	225	060 FABRINET 2 SIDED 6 OZ.	589
18	11016581	225	060 FABRINET 2 SIDED 6 OZ.	584
19	11016585	225	060 FABRINET 2 SIDED 6 OZ.	580
20	11016591	225	060 FABRINET 2 SIDED 6 OZ.	570
21	11016598	225	060 FABRINET 2 SIDED 6 OZ.	571
22	11016599	225	060 FABRINET 2 SIDED 6 OZ.	571
23	11016700	225	060 FABRINET 2 SIDED 6 OZ.	574
24	11016701	225	060 FABRINET 2 SIDED 6 OZ.	579

Internal Ref.

Material Req. #

Job #

Shippers # 007362

Bus/Market Seg. Code 0101

Terms: Prepaid/Collect

Load Verification

SIGNED

X

Truck/Container # 218

Seal #

VDL020001

Total Square Ft.	75,600	Total Weight	13,727

Carrier Ref.

CARRIER NAME: WERNER TRANSP
CARRIER SIGNATURE: Charles Morris
DATE: 11-30-98 11/30/98

Truckers P.O. # 86117750

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Here For Shipper

Shipper: Jeff Gundle

Address: 19103 GUNDLE ROAD
HOUSTON, TX 77073

Sign Here For Agent Of Shipper

Agent for Shipper: _____

(GSE LINING TECHNOLOGY, INC.
APPROVED AGENT FOR SHIPPER)
LAB.

STAR... Safety Through Accountability and Recognition

Mobil Polyethylene
Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

10/12/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.954
Lot Number	Z-51440	Melt Index (gm/10 min) I5	0.62
Hopper Car Number	ACFX-052069		
Quantity Shipped	183,800 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080041446		
Location Shipped To ALDINE, TX			

19 1932

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

GSE

Net Test Report

ROLL NO. 11016465

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	586	pounds
	266	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	573 lb/ft	8.53 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.60 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				221 mil	5.61 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS

DATE SHIPPED

20082122

GSE

Net Test Report

ROLL NO. 11016520

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3850	sq.ft.
	358	sq. meters
LENGTH:	275	feet
	84	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	677	pounds
	307	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	627 lb/ft	9.33 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.18 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				233 mil	5.91 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11/12 #6 QA

CUSTOMER:

JOB NO.

COMMENTS

DATE SHIPPED

20082122

GSE

Net Test Report

ROLL NO. 11016700

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	11/01/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	574	pounds
	260	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	573 lb/ft	8.53 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.31 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				225 mil	5.71 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-17-98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

20082122

GSE Lining Technology, Inc.

LETTER OF TRANSMITTAL

02
Mark Topp
COMANCO Env Corporation
7911 Professional Place
Tampa, FL 33637

DATE:	December 1, 1998
JOB NO:	DS5226
MR NO:	7399-05
JOB NAME:	Volusia County
RE:	QC/QA Certificate

COPIES	DESCRIPTION
1	QC/QA Documentation as per Bill of Lading #07355

TRANSMIT VIA:

U.S. Mail

If enclosures are not as noted kindly notify us at once.

SIGNED : Tonya Switalski
DATE: December 1, 1998

Shipping Order - Packing List - Original - Not Negotiable

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Order Form.

SHIPPERS NO. H 07355

GSE® GSE Lining Technology, Inc. at HOUSTON, TEXAS

From GSE LINING TECHNOLOGY, INC.

Received at Houston, Texas from GSE Lining Technology, Inc. the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word "Carrier" being understood throughout this Shipping Order as meaning the person or corporation in possession of the property) agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of any of said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to either: (a) if the Shipper noted herein ining Technology, Inc., as indicated by the designation of the "Shipper" to be GSE Lining Technology, Inc., then the Shipper and Carrier are subject to the terms and conditions contained in the Contract for Truck Transportation existing between the r (b) if the Shipper noted herein is not GSE Lining Technology, Inc., then GSE Lining Technology, Inc. is acting solely as the agent for the denoted Shipper, and thus every aspect of the service to be performed hereunder between the Shipper and the Carrier subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western, and Illinois Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable other classification or tariff if this is a motor carrier shipment. When acting in the capacity of an agent for a Shipper in placing the material in transit on behalf of a Shipper, GSE Lining Technology, Inc. accepts no liability for loss of amage to containers, or any other consequences occurring during transportation. Carrier having agreed that the transportation arrangement was initiated by the Shipper and not by GSE Lining Technology, Inc.

ubject to the above terms and conditions as to which party is the Shipper, Shipper hereby certifies that he is familiar with the terms and conditions that govern the transportation of this shipment, and the said terms and conditions are reby agreed and accepted for himself and his assigns.

External Ref. CONSOLIDATED ENVIRONMENTAL
MARK DIFF

Consigned to / Destination C/O VOLUSIA COUNTY SOLID WASTE
DAYTONA BEACH

Date Shipped NOVEMBER 30, 1998

Customer P.O. # VOLUSIA

State FL 32114

Comments from M.R.
PO 01910008 CONTACT: MARK DIFF @ 813/968-8829

No. Packages	Roll #	Length	Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT
1	11016437	225	060 FABRINET 2 SIDED 6 OZ.	588
2	11016445	225	060 FABRINET 2 SIDED 6 OZ.	595
3	11016446	225	060 FABRINET 2 SIDED 6 OZ.	593
4	11016447	225	060 FABRINET 2 SIDED 6 OZ.	590
5	11016448	225	060 FABRINET 2 SIDED 6 OZ.	594
6	11016449	225	060 FABRINET 2 SIDED 6 OZ.	594
7	11016450	225	060 FABRINET 2 SIDED 6 OZ.	596
8	11016451	225	060 FABRINET 2 SIDED 6 OZ.	597
9	11016452	225	060 FABRINET 2 SIDED 6 OZ.	591
10	11016453	225	060 FABRINET 2 SIDED 6 OZ.	586
11	11016454	225	060 FABRINET 2 SIDED 6 OZ.	585
12	11016455	225	060 FABRINET 2 SIDED 6 OZ.	584
13	11016456	225	060 FABRINET 2 SIDED 6 OZ.	582
14	11016457	225	060 FABRINET 2 SIDED 6 OZ.	583
15	11016458	225	060 FABRINET 2 SIDED 6 OZ.	584
16	11016459	225	060 FABRINET 2 SIDED 6 OZ.	582
17	11016460	225	060 FABRINET 2 SIDED 6 OZ.	584
18	11016461	225	060 FABRINET 2 SIDED 6 OZ.	583
19	11016462	225	060 FABRINET 2 SIDED 6 OZ.	589
20	11016463	225	060 FABRINET 2 SIDED 6 OZ.	586
21	11016507	225	060 FABRINET 2 SIDED 6 OZ.	573
22	11016595	225	060 FABRINET 2 SIDED 6 OZ.	590
23	11016637	225	060 FABRINET 2 SIDED 6 OZ.	596
24	11016659	225	060 FABRINET 2 SIDED 6 OZ.	594

Internal Ref.

Material Req. # 7399-05

Job # DS5226

Shippers # 007355

Bus/Market Seg. Code 0101

Terms: Prepaid/Collect PREPAID

Load Verification SIGNED

X

Truck/Container # 2179

Seal #

Total Square Ft.	75,600	Total Weight	14,059	VOL020001

Carrier Ref.

CARRIER NAME:

CARRIER SIGNATURE: [signature]

DATE: 11/30/98

Truckers P.O. # 86117750

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Here For Shipper

Shipper: [signature] 11/30/98

Address: 19103 GUNDLE ROAD
HOUSTON, TX 77073

Sign Here For Agent Of Shipper

Agent for Shipper: _____

(GSE LINING TECHNOLOGY, INC.
APPROVED AGENT FOR SHIPPER)
LAB.

STAR... Safety Through Accountability and Recognition

Mobil Polyethylene
Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

10/12/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.954
Lot Number	Z-51440	Melt Index (gm/10 min) I5	0.62
Hopper Car Number	ACFX-052069		
Quantity Shipped	183,800 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080041446		
Location Shipped To	ALDINE, TX		

197932

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

GSE

Net Test Report

ROLL NO. 11016445

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	593	pounds
	269	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	630 lb/ft	9.38 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.50 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				211 mil	5.36 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11.9.98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082122

GSE

Net Test Report

ROLL NO. 11016450

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	596	pounds
	270	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	678 lb/ft	10.09 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CAR[illegible]N BLACK CONTENT	D 1603	2.00 %		2.28 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				229 mil	5.81 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

GSE

Net Test Report

ROLL NO. 11016455

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	584	pounds
	265	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	576 lb/ft	8.57 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.42 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				216 mil	5.48 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

20082123

GSE

Net Test Report

ROLL NO. 11016460

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	584	pounds
	265	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	633 lb/ft	9.42 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.34 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				222 mil	5.63 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082122

GSE

Net Test Report

ROLL NO. 11016595

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	590	pounds
	268	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	594 lb/ft	8.84 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.55 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				232 mil	5.89 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

30082122

GSE Lining Technology, Inc.

LETTER OF TRANSMITTAL

02
Mark Topp
COMANCO Env Corporation
7911 Professional Place
Tampa, FL 33637

DATE:	December 1, 1998
JOB NO:	DS5226
MR NO:	7399-05
JOB NAME:	Volusia County
RE:	QC/QA Certificate

COPIES	DESCRIPTION
1	QC/QA Documentation as per Bill of Lading #07356

TRANSMIT VIA:

U.S. Mail

If enclosures are not as noted kindly notify us at once.

SIGNED : Tonya Switalski
DATE: December 1, 1998

Shipping Order - Packing List - Original - Not Negotiable

SHIPPERS NO.

H 07356

GSE Lining Technology, Inc.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Order Form.

at HOUSTON, TEXAS

From GSE LINING TECHNOLOGY, INC.

ceived at Houston, Texas from GSE Lining Technology, Inc. the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said ier (the word "Carrier" being understood throughout this Shipping Order as meaning the person or corporation in possession of the property) agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier any of said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to either: (a) if the Shipper noted herein i ng Technology, Inc., as indicated by the designation of the "Shipper" to be GSE Lining Technology, Inc., then the Shipper and Carrier are subject to the terms and conditions contained in the Contract for Truck Transportation existing between the p b) if the Shipper noted herein is not GSE Lining Technology, Inc., then GSE Lining Technology, Inc. is acting solely as the agent for the denoted Shipper, and thus every aspect of the service to be performed hereunder between the Shipper and the Ca... subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western, and Illinois Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable rrier classification or tariff if this is a motor carrier shipment. When acting in the capacity of an agent for a Shipper in placing the material in transit on behalf of a Shipper, GSE Lining Technology, Inc. accepts no liability for loss of amage to containers, or any other consequences occurring during transportation, Carrier having agreed that the transportation arrangement was initiated by the Shipper and not by GSE Lining Technology, Inc.

bject to the above terms and conditions as to which party is the Shipper, Shipper hereby certifies that he is familiar with the terms and conditions that govern the transportation of this shipment, and the said terms and conditions are eby agreed and accepted for himself and his assigns.

ternal Ref. LOWABLE ENVIRONMENTAL

MARK TUPP

onsigned to C/O VOLUSIA COUNTY SOLID WASTE

stination DAYTONA BEACH

Date Shipped NOVEMBER 30, 1998

Customer P.O. # VERBAL

State FL 32114

mments from M.R.

FL 0910008 CONTACT: MARK TUPP @ 813/983-8845

No. ackages	Roll #	Length	Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT
1	11015711	225	060 FABRINET 2 SIDED 6 OZ.	577
2	11015712	225	060 FABRINET 2 SIDED 6 OZ.	577
3	11015713	225	060 FABRINET 2 SIDED 6 OZ.	574
4	11015714	225	060 FABRINET 2 SIDED 6 OZ.	576
5	11015724	225	060 FABRINET 2 SIDED 6 OZ.	570
6	11015732	225	060 FABRINET 2 SIDED 6 OZ.	574
7	11015734	225	060 FABRINET 2 SIDED 6 OZ.	584
8	11015788	225	060 FABRINET 2 SIDED 6 OZ.	583
9	11016455	225	060 FABRINET 2 SIDED 6 OZ.	584
10	11016576	225	060 FABRINET 2 SIDED 6 OZ.	596
11	11016649	225	060 FABRINET 2 SIDED 6 OZ.	592
12	11016707	225	060 FABRINET 2 SIDED 6 OZ.	582
13	11016709	225	060 FABRINET 2 SIDED 6 OZ.	576
14	11016721	225	060 FABRINET 2 SIDED 6 OZ.	576
15	11016757	225	060 FABRINET 2 SIDED 6 OZ.	580
16	11016741	225	060 FABRINET 2 SIDED 6 OZ.	582
17	11016	225	060 FABRINET 2 SIDED 6 OZ.	586
18	11016745	225	060 FABRINET 2 SIDED 6 OZ.	583
19	11016	225	060 FABRINET 2 SIDED 6 OZ.	579
20	11016745	225	060 FABRINET 2 SIDED 6 OZ.	575
21	11014748	225	060 FABRINET 2 SIDED 6 OZ.	570
22	11015749	225	060 FABRINET 2 SIDED 6 OZ.	574
23	11016751	225	060 FABRINET 2 SIDED 6 OZ.	573
24	11015757	225	060 FABRINET 2 SIDED 6 OZ.	570

Internal Ref.

Material Req. # 7397-03

Job # D991226

Shippers # 007356

Bus/Market Seg. Code 0101

Terms: Prepaid/Collect PREPAID

Load Verification SIGNED

X

Truck/Container # 2182

Seal #

VFIL020001

tal Square Ft. 75,600

Total Weight 15,893

rrier Ref. 2000 net lbs

CARRIER NAME: RUEL SMITH

CARRIER SIGNATURE: Elvis Ray Richardson

DATE: 11-30-98

Truckers P.O. # 86127170

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Here For Shipper

11/30/98

pper: _____

dress: 19103 GUNDLE ROAD
HOUSTON, TX 77073

Sign Here For Agent Of Shipper

Agent for Shipper: _____

(GSE LINING TECHNOLOGY, INC.
APPROVED AGENT FOR SHIPPER)
LAB.

STAR... Safety Through Accountability and Recognition

Mobil Polyethylene

Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

10/12/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.954
Lot Number	Z-51440	Melt Index (gm/10 min)I5	0.62
Hopper Car Number	ACFX-052069		
Quantity Shipped	183,800 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080041446		
Location Shipped To	ALDINE, TX		

197932

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

STAR... Safety Through Accountability and Recognition

RC

Mobil Polyethylene
Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

10/12/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.953
Lot Number	Z-51439	Melt Index (gm/10 min) IS	0.64
Hopper Car Number	ACFX-056479		
Quantity Shipped	189,550 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080041445		
Location Shipped To	ALDINE, TX		

20/24

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

GSE

Net Test Report

ROLL NO. 11016600

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	585	pounds
	265	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	627 lb/ft	9.33 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.67 %	
NET DENSITY	D 1505		0.940 g/cc		0.965 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				229 mil	5.81 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

GSE

Net Test Report

ROLL NO. 11016745

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	11/01/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	575	pounds
	261	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51439
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	723 lb/ft	10.76 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.49 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				228 mil	5.79 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11-12-98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082122

GSE

Net Test Report

ROLL NO. 11016755

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	11/01/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	573	pounds
	260	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51439
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	627 lb/ft	9.33 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CAI ' BLACK CONTENT	D 1603	2.00 %		2.55 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				235 mil	5.96 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

30082122

GSE Lining Technology, Inc.

LETTER OF TRANSMITTAL

02
Mark Topp
COMANCO Env Corporation
7911 Professional Place
Tampa, FL 33637

DATE:	December 2, 1998
JOB NO:	DS5226
MR NO:	7399-05
JOB NAME:	Volusia County
RE:	QC/QA Certificate

COPIES	DESCRIPTION
1	QC/QA Documentation as per Bill of Lading #07358

TRANSMIT VIA:

U.S. Mail

If enclosures are not as noted kindly notify us at once.

SIGNED : Tonya Switalski
DATE: December 2, 1998

Shipping Order - Packing List - Original - Not Negotiable

SHIPPERS NO. H 07358

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Order Form.

GSE® GSE Lining Technology, Inc. at HOUSTON, TEXAS

From GSE LINING TECHNOLOGY, INC.

ceived a n, Texas from GSE Lining Technology, Inc. the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said rrier (the arrier" being understood throughout this Shipping Order as meaning the person or corporation in possession of the property) agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all any of said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to either: (a) if the Shipper noted herein is GSE ing Technology, Inc., as indicated by the designation of the "Shipper" to be GSE Lining Technology, Inc., then the Shipper and Carrier are subject to the terms and conditions contained in the Contract for Truck Transportation existing between the parties, b) if the Shipper noted herein is not GSE Lining Technology, Inc., then GSE Lining Technology, Inc. is acting solely as the agent for the denoted Shipper, and thus every aspect of the service to be performed hereunder between the Shipper and the Carrier subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western, and Illinois Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable rrier classification or tariff if this is a motor carrier shipment. When acting in the capacity of an agent for a Shipper in placing the material in transit on behalf of a Shipper, GSE Lining Technology, Inc. accepts no liability for loss of amage to containers, or any other consequences occurring during transportation. Carrier having agreed that the transportation arrangement was initiated by the Shipper and not by GSE Lining Technology, Inc.

bject to the above terms and conditions as to which party is the Shipper, Shipper hereby certifies that he is familiar with the terms and conditions that govern the transportation of this shipment, and the said terms and conditions are reby agreed and accepted for himself and his assigns.

cternal Ref.	CONNECTICUT ENVIRONMENTAL MARK TOFF	Date Shipped	NOVEMBER 30, 1998
onsigned to	C/O VOLUSIA COUNTY SOLID WASTE	Customer P.O. #	VERBAL
estination	DAYTONA BEACH	State	FL 32114

omments from M.R.

PC 01910000 CONTACT: MARK TOFF @ 813/908-8329

No. Packages	Roll #	Length	Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT
1	11016485	225	060 FABRINET 2 SIDED 6 OZ.	585
2	11016487	225	060 FABRINET 2 SIDED 6 OZ.	578
3	11016533	225	060 FABRINET 2 SIDED 6 OZ.	588
4	11016683	225	060 FABRINET 2 SIDED 6 OZ.	571
5	11016684	225	060 FABRINET 2 SIDED 6 OZ.	572
6	11016685	225	060 FABRINET 2 SIDED 6 OZ.	574
	11016686	225	060 FABRINET 2 SIDED 6 OZ.	573
8	11016687	225	060 FABRINET 2 SIDED 6 OZ.	572
9	11016688	225	060 FABRINET 2 SIDED 6 OZ.	574
10	11016689	225	060 FABRINET 2 SIDED 6 OZ.	574
11	11016690	225	060 FABRINET 2 SIDED 6 OZ.	570
12	11016694	225	060 FABRINET 2 SIDED 6 OZ.	571
13	11016697	225	060 FABRINET 2 SIDED 6 OZ.	570
14	11016706	225	060 FABRINET 2 SIDED 6 OZ.	583
15	11016708	225	060 FABRINET 2 SIDED 6 OZ.	582
16	11016710	225	060 FABRINET 2 SIDED 6 OZ.	579
17	11016711	225	060 FABRINET 2 SIDED 6 OZ.	581
18	11016714	225	060 FABRINET 2 SIDED 6 OZ.	579
19	11016715	225	060 FABRINET 2 SIDED 6 OZ.	582
20	11016716	225	060 FABRINET 2 SIDED 6 OZ.	579
21	11016722	225	060 FABRINET 2 SIDED 6 OZ.	581
22	11016724	225	060 FABRINET 2 SIDED 6 OZ.	572
23	11016746	225	060 FABRINET 2 SIDED 6 OZ.	569
24	11016747	225	060 FABRINET 2 SIDED 6 OZ.	570

Internal Ref.

Material Req. # 7397-05

Job # 099226

Shippers # 007358

Bus/Market Seg. Code 0101

Terms: Prepaid/Collect PREPAID

Load Verification SIGNED

X

Truck/Container # 2177

Seal #

VOL020001

otal Square Ft.	75,600	Total Weight	13,829

arrier Ref.

CARRIER NAME: CHARGER, INC.

CARRIER SIGNATURE:

DATE: 11/30/98

Truckers P.O. # 86117750

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Here For Shipper

ipper: _____

ddress: 19103 GUNDLE ROAD
HOUSTON, TX 77073

Sign Here For Agent Of Shipper

Agent for Shipper: _____

(GSE LINING TECHNOLOGY, INC.
APPROVED AGENT FOR SHIPPER)
LAB.

STAR... Safety Through Accountability and Recognition

Mobil Polyethylene
Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

10/12/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.954
Lot Number	Z-51440	Melt Index (gm/10 min) I5	0.62
Hopper Car Number	ACFX-052069		
Quantity Shipped	183,800 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080041446		
Location Shipped To	ALDINE, TX		

197932

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

STAR... Safety Through Accountability and Recognition

RC

Mobil Polyethylene
Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

10/12/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.953
Lot Number	Z-51439	Melt Index (gm/10 min)I5	0.64
Hopper Car Number	ACFX-056479		
Quantity Shipped	189,550 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080041445		
Location Shipped To ALDINE, TX			

20/24

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

GSE

Net Test Report

ROLL NO. 11016485

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	585	pounds
	265	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	594 lb/ft	8.84 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.69 %	
NET DENSITY	D 1505		0.940 g/cc		0.965 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				212 mil	5.38 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

30082122

GSE

Net Test Report

ROLL NO. 11016685

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/31/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	574	pounds
	260	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	663 lb/ft	9.87 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.47 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				236 mil	5.99 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11-12-98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082122

GSE

Net Test Report

ROLL NO. 11016690

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/31/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	570	pounds
	259	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	678 lb/ft	10.09 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.07 %	
NET DENSITY	D 1505		0.940 g/cc		0.962 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				224 mil	5.69 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

20082122

GSE

Net Test Report

ROLL NO. 11016710

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	11/01/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	579	pounds
	263	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51439
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	684 lb/ft	10.18 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CAF BLACK CONTENT	D 1603	2.00 %		2.63 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				227 mil	5.76 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11.12.98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082122

GSE

Net Test Report

ROLL NO. 11016715

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	11/01/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	582	pounds
	264	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51439
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	627 lb/ft	9.33 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.49 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				226 mil	5.74 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11-12-98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

GSE Lining Technology, Inc.

LETTER OF TRANSMITTAL

02
Mark Topp
COMANCO Env Corporation
7911 Professional Place
Tampa, FL 33637

DATE:	December 2, 1998
JOB NO:	DS5226
MR NO:	7399-05
JOB NAME:	Volusia County
RE:	QC/QA Certificate

COPIES	DESCRIPTION
1	QC/QA Documentation as per Bill of Lading #07357

TRANSMIT VIA:

U.S. Mail

If enclosures are not as noted kindly notify us at once.

SIGNED : Tonya Switalski
DATE: December 2, 1998

Shipping Order - Packing List - Original - Not Negotiable

SHIPPERS NO. H 07357

GSE® GSE Lining Technology, Inc. at HOUSTON, TEXAS

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Order Form.

From GSE LINING TECHNOLOGY, INC.

ceived at Houston, Texas from GSE Lining Technology, Inc. the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, wh rrier (the word "Carrier" being understood throughout this Shipping Order as meaning the person or corporation in possession of the property) agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carr any of said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to either: (a) if the Shipper noted herein i ning Technology, Inc., as indicated by the designation of the "Shipper" to be GSE Lining Technology, Inc., then the Shipper and Carrier are subject to the terms and conditions contained in the Contract for Truck Transportation existing between the parties, (b) if the Shipper noted herein is not GSE Lining Technology, Inc., then GSE Lining Technology, Inc. is acting solely as the agent for the denoted Shipper, and thus every aspect of the service to be performed hereunder between the Shipper and the Carrier subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western, and Illinois Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable rrier classification or tariff if this is a motor carrier shipment. When acting in the capacity of an agent for a Shipper in placing the material in transit on behalf of a Shipper, GSE Lining Technology, Inc. accepts no liability for loss of amage to containers, or any other consequences occurring during transportation, Carrier having agreed that the transportation arrangement was initiated by the Shipper and not by GSE Lining Technology, Inc.

ubject to the above terms and conditions as to which party is the Shipper, Shipper hereby certifies that he is familiar with the terms and conditions that govern the transportation of this shipment, and the said terms and conditions are reby agreed and accepted for himself and his assigns.

External Ref. DIAMOND ENVIRONMENTAL
MARK TUFF

Consigned to / Destination C/O VOLUSIA COUNTY SOLID WASTE
DAYTONA BEACH

Date Shipped NOVEMBER 30, 1998

Customer P.O. # VERBAL

State FL 32114

Comments from M.R.
FL 03910006 CONTACT: MARK TUFF @ 813/980-4829

No. Packages	Roll #	Length	Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT
1	11016501	225	060 FABRINET 2 SIDED 6 OZ.	582
2	11016512	225	060 FABRINET 2 SIDED 6 OZ.	580
3	11016691	225	060 FABRINET 2 SIDED 6 OZ.	572
4	11016692	225	060 FABRINET 2 SIDED 6 OZ.	575
5	11016693	225	060 FABRINET 2 SIDED 6 OZ.	573
6	11016695	225	060 FABRINET 2 SIDED 6 OZ.	571
7	11016696	225	060 FABRINET 2 SIDED 6 OZ.	563
8	11016702	225	060 FABRINET 2 SIDED 6 OZ.	579
9	11016703	225	060 FABRINET 2 SIDED 6 OZ.	585
10	11016704	225	060 FABRINET 2 SIDED 6 OZ.	584
11	11016705	225	060 FABRINET 2 SIDED 6 OZ.	582
12	11016712	225	060 FABRINET 2 SIDED 6 OZ.	580
13	11016715	225	060 FABRINET 2 SIDED 6 OZ.	582
14	11016717	232	060 FABRINET 2 SIDED 6 OZ.	598
15	11016723	225	060 FABRINET 2 SIDED 6 OZ.	572
16	11016725	225	060 FABRINET 2 SIDED 6 OZ.	581
17	11016738	225	060 FABRINET 2 SIDED 6 OZ.	573
18	11016740	225	060 FABRINET 2 SIDED 6 OZ.	578
19	11016750	225	060 FABRINET 2 SIDED 6 OZ.	569
20	11016751	225	060 FABRINET 2 SIDED 6 OZ.	569
21	11016752	225	060 FABRINET 2 SIDED 6 OZ.	572
22	11016753	225	060 FABRINET 2 SIDED 6 OZ.	575
23	11016754	225	060 FABRINET 2 SIDED 6 OZ.	573
24	11016756	225	060 FABRINET 2 SIDED 6 OZ.	571

Internal Ref.

Material Req. # 7399-05

Job # D55226

Shippers # 007357

Bus/Market Seg. Code 0101

Terms: Prepaid/Collect PREPAID

Load Verification SIGNED

X

Truck/Container # 219

Seal #

VOL020001

Total Square Ft.	75,698	Total Weight	13,837

Carrier Ref.

CARRIER NAME: TRANSBRIDGE

CARRIER SIGNATURE: [signature]

DATE: 11-30-98 11/30/98

Truckers P.O. # 86117750

The agreed or declared value of the property is hereby specifica. stated by the shipper to be not exceeding _____ per _____

Here For Shipper

Shipper: [signature]

Address: 19103 GUNDLE ROAD
HOUSTON, TX 77073

Sign Here For Agent Of Shipper

Agent for Shipper: _____

(GSE LINING TECHNOLOGY, INC.
APPROVED AGENT FOR SHIPPER)
LAB.

STAR... Safety Through Accountability and Recognition

RC

Mobil Polyethylene

Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

10/12/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.954
Lot Number	Z-51440	Melt Index (gm/10 min) I5	0.62
Hopper Car Number	ACFX-052069		
Quantity Shipped	183,800 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080041446		
Location Shipped To	ALDINE, TX		

197932

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

STAR... Safety Through Accountability and Recognition

RC

Mobil Polyethylene
Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

10/12/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.953
Lot Number	E-51439	Melt Index (gm/10 min)I5	0.64
Hopper Car Number	ACFX-056479		
Quantity Shipped	189,550 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080041445		
Location Shipped To ALDINE, TX			

20/24

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

GSE

Net Test Report

ROLL NO. 11016695

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/31/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	571	pounds
	259	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	591 lb/ft	8.80 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CAI ' BLACK CONTENT	D 1603	2.00 %		2.50 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				228 mil	5.79 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11-12-98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082122

GSE

Net Test Report

ROLL NO. 11016705

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	11/01/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	582	pounds
	264	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	672 lb/ft	10.00 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.49 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				230 mil	5.84 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

20082122

GSE

Net Test Report

ROLL NO. 11016720

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	11/01/98	
AREA:	3990	sq.ft.
	371	sq. meters
LENGTH:	285	feet
	87	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	698	pounds
	317	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51439
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	660 lb/ft	9.82 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.54 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				231 mil	5.86 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

GSE

Net Test Report

ROLL NO. 11016725

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	11/01/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	581	pounds
	264	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51439
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	645 lb/ft	9.60 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.29 %	
NET DENSITY	D 1505		0.940 g/cc		0.962 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				230 mil	5.84 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11.12.98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

GSE

Net Test Report

ROLL NO. 11016735

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	11/01/98	
AREA:	3850	sq.ft.
	358	sq. meters
LENGTH:	275	feet
	84	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	674	pounds
	306	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51439
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	903 lb/ft	13.44 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CAI ' BLACK CONTENT	D 1603	2.00 %		2.40 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				242 mil	6.14 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082122

GSE

Net Test Report

ROLL NO. 11016740

ROLL DIMENSIONS ≈ ± 1%

PRODUCT:	XL4000N001	
PROD DATE:	11/01/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	578	pounds
	262	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51439
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	693 lb/ft	10.31 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.47 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				226 mil	5.74 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

APPROVED 11-12-98 #6 QA

This certification assures the quality of the four previous rolls.

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

G E

Net Test Report

ROLL NO. 11016750

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	11/01/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	569	pounds
	258	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51439
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.953
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.640

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	591 lb/ft	8.80 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CAI BLACK CONTENT	D 1603	2.00 %		2.47 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				220 mil	5.58 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11.12.98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS _____

DATE SHIPPED _____

20082122

GSE Lining Technology, Inc.

LETTER OF TRANSMITTAL

02
Mark Topp
COMANCO Env Corporation
7911 Professional Place
Tampa, FL 33637

DATE:	December 2, 1998
JOB NO:	DS5226
MR NO:	7399-05
JOB NAME:	Volusia County
RE:	QC/QA Certificate

COPIES	DESCRIPTION
1	QC/QA Documentation as per Bill of Lading #07363

TRANSMIT VIA:

U.S. Mail

If enclosures are not as noted kindly notify us at once.

SIGNED : Tonya Switalski
DATE: December 2, 1998

Shipping Order - Packing List - Original - Not Negotiable

SHIPPERS NO.
H 07363

GSE Lining Technology, Inc.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Order Form.

at HOUSTON, TEXAS

From GSE LINING TECHNOLOGY, INC.

Received at [redacted] ston, Texas from GSE Lining Technology, Inc. the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the [redacted] "Carrier" being understood throughout this Shipping Order as meaning the person or corporation in possession of the property) agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any of said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to either: (a) if the Shipper noted herein is GSE Lining Technology, Inc., as indicated by the designation of the "Shipper" to be GSE Lining Technology, Inc., then the Shipper and Carrier are subject to the terms and conditions contained in the Contract for Truck Transportation existing between the parties, or (b) if the Shipper noted herein is not GSE Lining Technology, Inc., then GSE Lining Technology, Inc. is acting solely as the agent for the denoted Shipper, and thus every aspect of the service to be performed hereunder between the Shipper and the Carrier subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western, and Illinois Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable carrier classification or tariff if this is a motor carrier shipment. When acting in the capacity of an agent for a Shipper in placing the material in transit on behalf of a Shipper, GSE Lining Technology, Inc. accepts no liability for loss of damage to containers, or any other consequences occurring during transportation, Carrier having agreed that the transportation arrangement was initiated by the Shipper and not by GSE Lining Technology, Inc.

Subject to the above terms and conditions as to which party is the Shipper, Shipper hereby certifies that he is familiar with the terms and conditions that govern the transportation of this shipment, and the said terms and conditions are hereby agreed and accepted for himself and his assigns.

External Ref. CLEARWATER ENVIRONMENTAL
MARK TOPF

Consigned to VOLUSIA COUNTY SOLID WASTE
Destination DAYTONA BEACH

Date Shipped NOVEMBER 30, 1998

Customer P.O. # VARIOUS

State FL 32114

Comments from M.R.
TC 0191008 CONTACT: MARK TOPF @ 813/621-0836

No. Packages	Roll #	Length	Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT
1	11016473	225	060 FABRINET 2 SIDED 6 OZ.	586
2	11016486	225	060 FABRINET 2 SIDED 6 OZ.	590
3	11016505	225	060 FABRINET 2 SIDED 6 OZ.	591
4	11016509	225	060 FABRINET 2 SIDED 6 OZ.	574
5	11016516	225	060 FABRINET 2 SIDED 6 OZ.	585
6	11016525	225	060 FABRINET 2 SIDED 6 OZ.	583
	11016526	225	060 FABRINET 2 SIDED 6 OZ.	586
8	11016527	225	060 FABRINET 2 SIDED 6 OZ.	582
9	11016528	225	060 FABRINET 2 SIDED 6 OZ.	588
10	11016529	225	060 FABRINET 2 SIDED 6 OZ.	585
11	11016530	225	060 FABRINET 2 SIDED 6 OZ.	585
12	11016531	225	060 FABRINET 2 SIDED 6 OZ.	585
13	11016532	225	060 FABRINET 2 SIDED 6 OZ.	586
14	11016570	225	060 FABRINET 2 SIDED 6 OZ.	579
15	11016574	225	060 FABRINET 2 SIDED 6 OZ.	576
16	11016575	225	060 FABRINET 2 SIDED 6 OZ.	573
17	11016577	225	060 FABRINET 2 SIDED 6 OZ.	584
18	11016583	225	060 FABRINET 2 SIDED 6 OZ.	584
19	11016586	225	060 FABRINET 2 SIDED 6 OZ.	580
20	11016587	225	060 FABRINET 2 SIDED 6 OZ.	590
21	11016588	225	060 FABRINET 2 SIDED 6 OZ.	593
22	11016662	225	060 FABRINET 2 SIDED 6 OZ.	591
23	11016663	225	060 FABRINET 2 SIDED 6 OZ.	595
24	11016664	225	060 FABRINET 2 SIDED 6 OZ.	590

Internal Ref.

Material Req. # 7399-05

Job # D552.26

Shippers # 007363

Bus/Market Seg. Code 0101

Terms: Prepaid/Collect
PREPAID

Load Verification

SIGNED

X

Truck/Container # 2180

Seal #

08L020001

Total Square Ft.	70,800	Total Weight	14,027

Carrier Ref. TRAVIS BRIDGE/2000 NET TIES

CARRIER NAME: TRAVIS bridges

CARRIER SIGNATURE:

DATE: 11/30/98

Truckers P.O. # B611750

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Here For Shipper

Shipper: [signature]

Address: 19103 GUNDLE ROAD
HOUSTON, TX 77073

Sign Here For Agent Of Shipper

Agent for Shipper: _____

(GSE LINING TECHNOLOGY, INC.
APPROVED AGENT FOR SHIPPER)
LAB.

STAR... Safety Through Accountability and Recognition

Mobil Polyethylene
Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

10/12/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.954
Lot Number	Z-51440	Melt Index (gm/10 min) I5	0.62
Hopper Car Number	ACFX-052069		
Quantity Shipped	183,800 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080041446		
Location Shipped To	ALDINE, TX		

197932

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

GSE

Net Test Report

ROLL NO. 11016525

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	583	pounds
	264	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	720 lb/ft	10.71 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.69 %	
NET DENSITY	D 1505		0.940 g/cc		0.965 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				232 mil	5.89 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

DATE SHIPPED _____

JOB NO.

COMMENTS _____

20082122

GSE

Net Test Report

ROLL NO. 11016570

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	579	pounds
	263	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	711 lb/ft	10.58 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.44 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				230 mil	5.84 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

GSE Lining Technology, Inc.

LETTER OF TRANSMITTAL

02
Mark Topp
COMANCO Env Corporation
7911 Professional Place
Tampa, FL 33637

DATE:	December 2, 1998
JOB NO:	DS5226
MR NO:	7399-05
JOB NAME:	Volusia County
RE:	QC/QA Certificate

COPIES	DESCRIPTION
1	QC/QA Documentation as per Bill of Lading #07366

TRANSMIT VIA:

U.S. Mail

If enclosures are not as noted kindly notify us at once.

SIGNED : Tonya Switalski
DATE: December 2, 1998

Shipping Order - Packing List - Original - Not Negotiable

GSE® GSE Lining Technology, Inc.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Order Form.

at HOUSTON, TEXAS

SHIPPERS NO. H 07366

From GSE LINING TECHNOLOGY, INC.

eceived at Houston, Texas from GSE Lining Technology, Inc. the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, wi arrier (the word "Carrier" being understood throughout this Shipping Order as meaning the person or corporation in possession of the property) agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carr any of said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to either: (a) if the Shipper noted herein is GSE ning Technology, Inc., as indicated by the designation of the "Shipper" to be GSE Lining Technology, Inc., then the Shipper and Carrier are subject to the terms and conditions contained in the Contract for Truck Transportation existing between the parties, (b) if the Shipper noted herein is not GSE Lining Technology, Inc., then GSE Lining Technology, Inc. is acting solely as the agent for the denoted Shipper, and thus every aspect of the service to be performed hereunder between the Shipper and the Carrier subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western, and Illinois Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable arrier classification or tariff if this is a motor carrier shipment. When acting in the capacity of an agent for a Shipper in placing the material in transit on behalf of a Shipper, GSE Lining Technology, Inc. accepts no liability for loss of amage to containers, or any other consequences occurring during transportation, Carrier having agreed that the transportation arrangement was initiated by the Shipper and not by GSE Lining Technology, Inc.

ubject to the above terms and conditions as to which party is the Shipper, Shipper hereby certifies that he is familiar with the terms and conditions that govern the transportation of this shipment, and the said terms and conditions are reby agreed and accepted for himself and his assigns.

External Ref. CUMMINS ENVIRONMENTA...
MARK TUFF

Consigned to C/O VOLUSIA COUNTY SOLID WASTE

Destination DAYTONA BEACH

Date Shipped NOVEMBER 30, 1998

Customer P.O. # VERBAL

State FL 32114

Comments from M.R.

PC 01910003 CONTACT: MARK TUFF @ 813/988-0839

PRE QC'D

No. Packages	Roll #	Length	Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT
1	11016471	225	060 FABRINET 2 SIDED 6 OZ.	587
2	11016472	225	060 FABRINET 2 SIDED 6 OZ.	581
3	11016490	225	060 FABRINET 2 SIDED 6 OZ.	577
4	11016494	225	060 FABRINET 2 SIDED 6 OZ.	584
5	11016495	225	060 FABRINET 2 SIDED 6 OZ.	584
6	11016500	225	060 FABRINET 2 SIDED 6 OZ.	579
7	11016506	225	060 FABRINET 2 SIDED 6 OZ.	567
8	11016514	225	060 FABRINET 2 SIDED 6 OZ.	578
9	11016532	225	060 FABRINET 2 SIDED 6 OZ.	594
10	11016545	225	060 FABRINET 2 SIDED 6 OZ.	584
11	11016547	225	060 FABRINET 2 SIDED 6 OZ.	587
12	11016549	225	060 FABRINET 2 SIDED 6 OZ.	587
13	11016555	225	060 FABRINET 2 SIDED 6 OZ.	577
14	11016556	225	060 FABRINET 2 SIDED 6 OZ.	581
15	11016557	225	060 FABRINET 2 SIDED 6 OZ.	581
16	11016558	225	060 FABRINET 2 SIDED 6 OZ.	580
17	11016559	225	060 FABRINET 2 SIDED 6 OZ.	582
18	11016569	225	060 FABRINET 2 SIDED 6 OZ.	576
19	11016571	225	060 FABRINET 2 SIDED 6 OZ.	582
20	11016572	225	060 FABRINET 2 SIDED 6 OZ.	577
21	11016573	225	060 FABRINET 2 SIDED 6 OZ.	576
22	11016576	225	060 FABRINET 2 SIDED 6 OZ.	574
23	11016578	225	060 FABRINET 2 SIDED 6 OZ.	580
24	11016585	225	060 FABRINET 2 SIDED 6 OZ.	585

Internal Ref.

Material Req. # 7399-05

Job # DS5226

Shippers # 007366

Bus/Market Seg. Code 0101

Terms: Prepaid/Collect PREPAID

Load Verification SIGNED X

Truck/Container #

Seal #

Total Square Ft.	75,600	Total Weight	13,940	VOL020001

Carrier Ref. 2000 NET TIES

CARRIER NAME:

CARRIER SIGNATURE:

DATE: R Wilson 11-30-98

Truckers P.O. # 96117750

The agreed or declared value of the property is hereby specifica... stated by the shipper to be not exceeding _____ per _____

Here For Shipper

Shipper: _____

Address: 19103 GUNDLE ROAD
HOUSTON, TX 77073

Sign Here For Agent Of Shipper

Agent for Shipper: _____

(GSE LINING TECHNOLOGY, INC.
APPROVED AGENT FOR SHIPPER)
LAB.

STAR... Safety Through Accountability and Recognition

Mobil Polyethylene
Certificate of Analysis

"QUALITY PEOPLE MAKING QUALITY PRODUCTS"

DENISE ADAMS
GSE LINING TECHNOLOGY INC
19103 GUNDLE ROAD
HOUSTON, TX 77073

10/12/1998

Mobil Chemical, a major supplier of quality polyethylene, has shipped a lot of material to your facility. The lot identification and analyses are listed below. This data has been supplied by our Quality Control Laboratory located here in Beaumont. If you should need further information or another copy of this report, please call your sales office in EDISON, NJ Phone: (908)321-6000.

Resin Identification		Resin Analysis Test	Lot Data
Product Type	HDA025	Density (gms/cc)	0.954
Lot Number	Z-51440	Melt Index (gm/10 min) I5	0.62
Hopper Car Number	ACFX-052069		
Quantity Shipped	183,800 LB		
Date Manufactured	09/20/1998		
Delivery Note	0080041446		
Location Shipped To ALDINE, TX			

19T932

Thank you for your business. If you need additional assistance, please do not hesitate to contact our Sales Representative in your area.

CC: MP-EDISON

Fax To: (281) 230-2510 DENISE ADAMS
(281) 847-3885 JD
(281) 230-2510 DON BOHAC

GSE

Net Test Report

ROLL NO. 11016495

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/27/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	586	pounds
	266	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	540 lb/ft	8.04 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.52 %	
NET DENSITY	D 1505		0.940 g/cc		0.964 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				222 mil	5.63 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

DATE SHIPPED

JOB NO.

COMMENTS

20082122

GSE

Net Test Report

ROLL NO. 11016555

ROLL DIMENSIONS ≈ ± 1%		
PRODUCT:	XL4000N001	
PROD DATE:	10/28/98	
AREA:	3150	sq.ft.
	293	sq. meters
LENGTH:	225	feet
	69	meters
WIDTH:	14.00	feet
	4.30	meters
WEIGHT:	580	pounds
	263	kilograms

RESIN LOT INFORMATION

LOT NUMBER Z-51440
RESIN TYPE 700 SERIES

PROPERTY	*UNITS*	*METHOD*	*RESULT*
DENSITY	g/cc	D1505	0.954
MOISTURE	%	D570	<0.09
BRITTLENESS	°C	D746	< -70
MELT INDEX	g/10 min.	D1238	0.620

PROPERTY	ASTM METHOD	GSE MINIMUMS ENGLISH	GSE MINIMUMS METRIC	ACTUAL TEST VALUES ENGLISH	ACTUAL TEST VALUES METRIC
PEAK TENSILE STRENGTH-MD	D 5034/5035	540 lb/ft	8.04 kg/cm	762 lb/ft	11.34 kg/cm
CARBON BLACK DISPERSION	D 3015	A2		A2	
CARBON BLACK CONTENT	D 1603	2.00 %		2.24 %	
NET DENSITY	D 1505		0.940 g/cc		0.963 g/cc
THICKNESS	D 5199				
NOMINAL		220 mil	5.58 mm		
MINIMUM		200 mil	5.03 mm		
ACTUAL				252 mil	6.40 mm

TEST NOTES: MD=MACHINE DIRECTION
-FOR TENSILE ELONGATION TEST GAUGE LENGTH=4.0 INCHES

This certification assures the quality of the four previous rolls.

APPROVED 11-12-98 #6 QA

CUSTOMER:

JOB NO.

COMMENTS

DATE SHIPPED

20082122

7399

ROLL#	PRODUCT	TOP FABRIC	BOTTOM FABRIC
11016445	FA2060060J	6060955A	6061266A
11016446	FA2060060J	6060955A	6061266A
11016447	FA2060060J	6061284A	6061266A
11016448	FA2060060J	6061284A	6061238A
11016449	FA2060060J	6061284A	6061238A
11016450	FA2060060J	6061284A	6061238A
11016451	FA2060060J	6061284A	6061238A
11016452	FA2060060J	6061036A	6061238A
11016453	FA2060060J	6061036A	6060989A
11016454	FA2060060J	6061036A	6060989A
11016455	FA2060060J	6061036A	6060989A
11016456	FA2060060J	6061056A	6060989A
1016457	FA2060060J	6061056A	6061268A
11016458	FA2060060J	6061056A	6061268A
11016459	FA2060060J	6061056A	6061268A
11016460	FA2060060J	6061056A	6061268A
11016461	FA2060060J	6061267A	6061268A
11016462	FA2060060J	6061267A	6061237A
11016463	FA2060060J	6061267A	6061237A
11016464	FA2060060J	6061267A	6061237A
11016465	FA2060060J	6061247A	6061237A
11016466	FA2060060J	6061247A	6061060A
11016467	FA2060060J	6061247A	6061060A
11016468	FA2060060J	6061247A	6061060A
11016469	FA2060060J	6061247A	6061060A
1016470	FA2060060J	6061099A	6061060A

ROLL#	PRODUCT	TOP FABRIC	BOTTOM FABRIC
11016471	FA2060060J	6061099A	6061283A
11016472	FA2060060J	6061099A	6061283A
11016473	FA2060060J	6061099A	6061283A
11016474	FA2060060J	6061274A	6061283A
11016475	FA2060060J	6061274A	6061131A
11016476	FA2060060J	6061274A	6061131A
11016477	FA2060060J	6061274A	6061131A
11016478	FA2060060J	6060991A	6061131A
11016479	FA2060060J	6060991A	6061248A
11016480	FA2060060J	6060991A	6061248A
11016481	FA2060060J	6060991A	6061248A
11016485	FA2060060J	6061003A	6061248A
11016486	FA2060060J	6061003A	6060988A
11016487	FA2060060J	6061003A	6060988A
11016488	FA2060060J	6061003A	6060988A
11016489	FA2060060J	6061039A	6060988A
11016490	FA2060060J	6061039A	6061234A
11016491	FA2060060J	6061039A	6061234A
11016492	FA2060060J	6061039A	6061234A
11016493	FA2060060J	6061042A	6061234A
11016494	FA2060060J	6061042A	6061233A
11016495	FA2060060J	6061042A	6061233A
11016496	FA2060060J	6061042A	6061233A
11016497	FA2060060J	6061042A	6061233A
11016498	FA2060060J	6061042A	6061233A
11016499	FA2060060J	6061054A	6061233A

ROLL#	PRODUCT	TOP FABRIC	BOTTOM FABRIC
11016500	FA2060060J	6061054A	6061282A
11016501	FA2060060J	6061054A	6061282A
11016502	FA2060060J	6061054A	6061282A
11016503	FA2060060J	6061054A	6061282A
11016504	FA2060060J	6061040A	6061282A
11016505	FA2060060J	6061040A	6061058A
11016506	FA2060060J	6061040A	6061058A
11016507	FA2060060J	6061040A	6061058A
11016508	FA2060060J	6061034A	6061058A
11016509	FA2060060J	6061034A	6061041A
11016510	FA2060060J	6061034A	6061041A
11016511	FA2060060J	6061034A	6061041A
11016512	FA2060060J	6061034A	6061041A
11016513	FA2060060J	6060953A	6061082A
11016514	FA2060060J	6060953A	6061082A
11016515	FA2060060J	6060953A	6061082A
11016516	FA2060060J	6060953A	6061082A
11016517	FA2060060J	6060953A	6061082A
11016518	FA2060060J	6060953A	6061082A
11016525	FA2060060J	6061134A	6061053A
11016526	FA2060060J	6061134A	6061053A
11016527	FA2060060J	6061134A	6061053A
11016528	FA2060060J	6061134A	6061053A
11016529	FA2060060J	6061062A	6061075A
11016530	FA2060060J	6061062A	6061075A
11016531	FA2060060J	6061062A	6061075A

ROLL#	PRODUCT	TOP FABRIC	BOTTOM FABRIC
11016532	FA2060060J	6061062A	6061075A
11016533	FA2060060J	6061417A	6061078A
11016534	FA2060060J	6061417A	6061078A
11016535	FA2060060J	6061417A	6061078A
11016536	FA2060060J	6061417A	6061078A
11016537	FA2060060J	6061059A	6060974A
11016538	FA2060060J	6061059A	6060974A
11016539	FA2060060J	6061059A	6060974A
11016540	FA2060060J	6061059A	6060974A
11016541	FA2060060J	6061089A	6060847A
11016542	FA2060060J	6061089A	6060847A
11016543	FA2060060J	6061089A	6060847A
11016544	FA2060060J	6061089A	6060847A
11016545	FA2060060J	6061089A	6060847A
11016546	FA2060060J	6061071A	6061428A
11016547	FA2060060J	6061071A	6061428A
11016548	FA2060060J	6061071A	6061428A
11016549	FA2060060J	6061071A	6061428A
11016550	FA2060060J	6061047A	6061044A
11016551	FA2060060J	6061047A	6061044A
11016552	FA2060060J	6061047A	6061044A
11016553	FA2060060J	6061047A	6061044A
11016554	FA2060060J	6061047A	6061044A
11016555	FA2060060J	6060854A	6061063A
11016556	FA2060060J	6060854A	6061063A
11016557	FA2060060J	6060854A	6061063A

ROLL#	PRODUCT	TOP FABRIC	BOTTOM FABRIC
11016558	FA2060060J	6060854A	6061063A
11016559	FA2060060J	6060854A	6061063A
11016560	FA2060060J	6060854A	6061063A
11016568	FA2060060J	6061117A	6061076A
11016569	FA2060060J	6061117A	6061076A
11016570	FA2060060J	6061117A	6061076A
11016571	FA2060060J	6061117A	6061076A
11016572	FA2060060J	6061081A	6061050A
11016573	FA2060060J	6061081A	6061050A
11016574	FA2060060J	6061081A	6061050A
11016575	FA2060060J	6061081A	6061050A
11016576	FA2060060J	6061081A	6061050A
11016577	FA2060060J	6061116A	6061032A
11016578	FA2060060J	6061116A	6061032A
11016579	FA2060060J	6061116A	6061032A
11016580	FA2060060J	6061116A	6061032A
11016581	FA2060060J	6061116A	6061032A
11016582	FA2060060J	6061432A	6061061A
11016583	FA2060060J	6061432A	6061061A
11016584	FA2060060J	6061432A	6061061A
11016585	FA2060060J	6061432A	6061061A
11016586	FA2060060J	6061432A	6061061A
11016587	FA2060060J	6061409A	6060836A
11016588	FA2060060J	6061409A	6060836A
11016589	FA2060060J	6061409A	6060836A
11016590	FA2060060J	6061409A	6060836A

ROLL#	PRODUCT	TOP FABRIC	BOTTOM FABRIC
11016591	FA2060060J	6061434A	6061073A
11016592	FA2060060J	6061434A	6061073A
11016593	FA2060060J	6061434A	6061073A
11016594	FA2060060J	6061434A	6061073A
11016595	FA2060060J	6061434A	6061073A
11016596	FA2060060J	6061434A	6061073A
11016599	FA2060060J	6060882A	6061043A
11016600	FA2060060J	6060882A	6061043A
11016601	FA2060060J	6061447A	6061412A
11016602	FA2060060J	6061447A	6061412A
11016603	FA2060060J	6061417A	6061447A
11016604	FA2060060J	6061417A	6061447A
11016605	FA2060060J	6061446A	6060842A
11016606	FA2060060J	6061446A	6060842A
11016607	FA2060060J	6061446A	6060842A
11016608	FA2060060J	6061446A	6060842A
11016609	FA2060060J	6061446A	6060842A
11016610	FA2060060J	6060801A	6061085A
11016611	FA2060060J	6060801A	6061085A
11016612	FA2060060J	6060801A	6061085A
11016613	FA2060060J	6060801A	6061085A
11016614	FA2060060J	6060801A	6061085A
11016615	FA2060060J	6060944A	6061115A
11016616	FA2060060J	6060944A	6061115A
11016617	FA2060060J	6060944A	6061115A
11016618	FA2060060J	6060944A	6061115A

ROLL#	PRODUCT	TOP FABRIC	BOTTOM FABRIC
11016619	FA2060060J	6060855A	6060839A
11016620	FA2060060J	6060855A	6060839A
11016621	FA2060060J	6060855A	6060839A
11016622	FA2060060J	6060855A	6060839A
11016623	FA2060060J	6060870A	6061038A
11016624	FA2060060J	6060870A	6061038A
11016625	FA2060060J	6060870A	6061038A
11016626	FA2060060J	6060870A	6061038A
11016636	FA2060060J	6061125A	6061418A
11016637	FA2060060J	6061125A	6061418A
11016638	FA2060060J	6061125A	6061418A
11016639	FA2060060J	6061125A	6061418A
11016640	FA2060060J	6061125A	6061418A
11016641	FA2060060J	6060864A	6061155A
11016642	FA2060060J	6060864A	6061155A
11016643	FA2060060J	6060864A	6061155A
11016644	FA2060060J	6060864A	6061155A
11016645	FA2060060J	6060841A	6060848A
11016646	FA2060060J	6060841A	6060848A
11016647	FA2060060J	6060841A	6060848A
11016648	FA2060060J	6060841A	6060848A
11016649	FA2060060J	6060841A	6060848A
11016650	FA2060060J	6061087A	6061107A
11016651	FA2060060J	6061087A	6061107A
11016652	FA2060060J	6061087A	6061107A
11016653	FA2060060J	6061087A	6061107A

ROLL#	PRODUCT	TOP FABRIC	BOTTOM FABRIC
11016654	FA2060060J	6061407A	6061029A
11016655	FA2060060J	6061407A	6061029A
11016656	FA2060060J	6061407A	6061029A
11016657	FA2060060J	6061407A	6061029A
11016658	FA2060060J	6061407A	6061029A
11016659	FA2060060J	6061127A	6061161A
11016660	FA2060060J	6061127A	6061161A
11016661	FA2060060J	6061127A	6061161A
11016662	FA2060060J	6061127A	6061161A
11016663	FA2060060J	6060947A	6060967A
11016664	FA2060060J	6060947A	6060967A
11016665	FA2060060J	6060947	6060167
11016675	FA2060060J	6060947	6060167
11016676	FA2060060J	6060947	6060167
11016683	FA2060060J	6060947	6060167
11016684	FA2060060J	6061068A	6060167
11016685	FA2060060J	6061068A	6060948A
11016686	FA2060060J	6061068A	6060948A
11016687	FA2060060J	6061068A	6060948A
11016688	FA2060060J	6060963A	6060948A
11016689	FA2060060J	6060963A	6060942A
11016690	FA2060060J	6060963A	6060942A
11016691	FA2060060J	6060963A	6060942A
11016692	FA2060060J	6061064A	6060942A
11016693	FA2060060J	6061064A	6061048A
11016694	FA2060060J	6061064A	6061048A

ROLL#	PRODUCT	TOP FABRIC	BOTTOM FABRIC
11016695	FA2060060J	6061064A	6061048A
11016696	FA2060060J	6060941A	6061084A
11016697	FA2060060J	6060941A	6061084A
11016698	FA2060060J	6060941A	6061084A
11016699	FA2060060J	6060941A	6061084A
11016700	FA2060060J	6060941A	6061084A
11016701	FA2060060J	6060945A	6061084A
11016702	FA2060060J	6060945A	6061427A
11016703	FA2060060J	6060945A	6061427A
11016704	FA2060060J	6060945A	6061427A
11016705	FA2060060J	6060945A	6061427A
11016706	FA2060060J	6061123A	6061427A
11016707	FA2060060J	6061123A	6061108A
11016708	FA2060060J	6061123A	6061108A
11016709	FA2060060J	6061123A	6061108A
11016710	FA2060060J	6061123A	6061108A
11016711	FA2060060J	6061160A	6061129A
11016712	FA2060060J	6061160A	6061129A
11016713	FA2060060J	6061160A	6061129A
11016714	FA2060060J	6061128A	6061129A
11016715	FA2060060J	6061128A	6061148A
11016716	FA2060060J	6061128A	6061148A
11016717	FA2060060J	6061128A	6061148A
11016721	FA2060060J	6061128A	6061148A
11016722	FA2060060J	6061105A	6061148A
11016723	FA2060060J	6061105A	6061144A

ROLL#	PRODUCT	TOP FABRIC	BOTTOM FABRIC
11016724	FA2060060J	6061105A	6061144A
11016725	FA2060060J	6061105A	6061144A
11016726	FA2060060J	6061272A	6061144A
11016727	FA2060060J	6061272A	6060949A
11016728	FA2060060J	6061272A	6060949A
11016729	FA2060060J	6061272A	6060949A
11016730	FA2060060J	6060960A	6060949A
11016731	FA2060060J	6060960A	6060953A
11016732	FA2060060J	6060960A	6060953A
11016733	FA2060060J	6060960A	6060953A
11016738	FA2060060J	6060960A	6060953A
11016739	FA2060060J	6060960A	6060953A
11016740	FA2060060J	6060959A	6061173A
11016741	FA2060060J	6060959A	6061173A
11016742	FA2060060J	6060959A	6061173A
11016743	FA2060060J	6060959A	6061173A
11016744	FA2060060J	6060959A	6061173A
11016745	FA2060060J	6060959A	6061173A
11016746	FA2060060J	6060952A	6061173A
11016747	FA2060060J	6060952A	6061045A
11016748	FA2060060J	6060952A	6061045A
11016749	FA2060060J	6060952A	6061045A
11016750	FA2060060J	6060937A	6061045A
11016751	FA2060060J	6060937A	6060962A
11016752	FA2060060J	6060937A	6060962A
11016753	FA2060060J	6060937A	6060962A

ROLL#	PRODUCT	TOP FABRIC	BOTTOM FABRIC
11016754	FA2060060J	6060968A	6060962A
11016755	FA2060060J	6060968A	6060964A
11016756	FA2060060J	6060968A	6060964A
11016757	FA2060060J	6060968A	6060964A

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

September 23, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
BoL; 625197 625205 PO S061572-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice The effective date for this product data is 02/1897*

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

Synthetic Industries
Individual Roll Data
Bill of Lading:625197

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6060761A	651L	60293	6.9	104	221	229	64	85	101	114	374	124		
6060764A	651L	60293	6.5	101	193	224	64	84	95	103	369	117		
6060772A	651L	60293	6.8	100	208	203	65	88	100	114	369	121		
6060783A	651L	60293	6.8	100	204	232	65	85	95	120	390	129		
6060787A	651L	60293	6.8	101	199	219	64	85	107	112	389	126		
6060791A	651L	60293	6.8	101	219	231	69	83	100	117	359	129		
6060795A	651L	60293	6.4	94	196	212	66	86	93	112	364	118		
6060802A	651L	60293	6.3	95	194	213	66	86	97	110	359	124		

Sid Wessi

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

Synthetic Industries
Individual Roll Data
Bill of Lading:625205

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6057672A	651L	60280	6.6	91	224	221	67	86	98	114	376	114	0.203	2.978
6057732A	651L	60280	7.0	91	184		65		81		376	128		
6060770A	651L	60293	6.6											
6060775A	651L	60293	6.7	100	208	214	66	79	113	122	374	118		
6060779A	651L	60293	6.3	95	197	195	64	83	100	109	349	111		
6060837A	651L	60293	6.7	98	218	232	72	89	98	108	370	122		

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

September 25, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
BoL; 625209 625244 PO S061572-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1897*

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

Synthetic Industries
Individual Roll Data
Bill of Lading:625209

Roll Number	Style	Mass/ Unit Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833
6056128A	651L	6.9	97	234	216	57	80	116	124	402	128
6056156A	651L	6.6	94	238	212	58	82	116	114	390	131
6056159A	651L	6.5	92	227	194	60	76	102	104	400	117
6056162A	651L	6.5	96	216	196	60	77	111	113	355	124
6056171A	651L	6.6	92	206	197	60	78	106	107	367	118
6060816A	651L	7.1	103	231	245	78	85	100	121	396	124
6060820A	651L	6.9	106	214	241	68	89	100	119	389	119
6060824A	651L	6.5	98	206	212	68	87	102	112	336	119
6060827A	651L	6.7									118
6060830A	651L	6.9									129

Sid Wessi

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

Synthetic Industries
Individual Roll Data
Bill of Lading:625244

Roll Number	Style	Mass/ Unit Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833
6061002A	651L	6.5	94	203	212	63	79	110	117	369	113
6061006A	651L	6.8	94	207	223	67	87	105	117	400	116
6061010A	651L	6.5	95	207	214	62	78	111	119	361	112
6061014A	651L	6.4	90	189	202	64	78	99	119	376	111
6061018A	651L	6.8	93	201	242	64	78	106	125	393	120
6061022A	651L	6.6	96	196	210	62	86	106	113	363	122

Sid Wessi

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 7, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
Bol; 625348 PO S061572-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice The effective date for this product data is 02/1897*

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

Synthetic Industries
Individual Roll Data
Bill of Lading:625348

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6061368A	651L	60294	7.5	99	256	266	70	81	102	133	413	123		
6061388A	651L	60294	6.8	94	238	226	67	86	110	111	374	110		
6061392A	651L	60294	6.8	92	216	219	66	85	88	115	366	122		
6061406A	651L	60294	6.2	87	203	192	57	79	93	103	345	112		

Bid Waiver

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that ... rials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 21, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
Bol: 625507 625508 PO S061990-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice The effective date for this product data is 02/1897*

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

00213

Synthetic Industries
Individual Roll Data
Bill of Lading:625507

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	(XMD) lbs D4632	Elongation (MD) % D4632	(XMD) % D4632	Trap Tear (MD) lbs D4533	(XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6061097A	651L	60294	6.6	91	219	211	64	78	107	108	351	124		
6061105A	651L	60294										119		
6061123A	651L	60294	7.0									124		
6061139A	651L	60294	6.3	83	205	200	65	83	95	108	349	113		
6061143A	651L	60294	6.9	88	234	223	66	79	103	119	361	130		
6061156A	651L	60294	7.2	98	241	242	71	77	102	124	381	128		
6061160A	651L	60294	6.8	87	223	228	66	80	102	117	371			
6061176A	651L	60294	6.5	90	207	211	67	78	96	104	348	119		

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that t, produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

00213

Synthetic Industries
Individual Roll Data
Bill of Lading:625508

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6061069A	651L	60294	6.5	88	209	216	62	77	97	106	369			
6061100A	651L	60294	6.8									112		
6061127A	651L	60294	6.4	90	214	210	63	81	106	112	373			
6061152A	651L	60294	6.6	90	214	210	64	80	105	108	340	111		
6061180A	651L	60294	6.5	84	209	207	64	78	92	106	354			

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that the materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence, test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

00213

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 21, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
Bol: 625459 625466 PO S061990-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

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Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

Synthetic Industries
Individual Roll Data
Bill of Lading:625459

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6057520A	651L	60279	6.4	85	209	197	61	74	97	112	397	121		
6061242A	651L	60294	6.7	87	223	211	69	78	99	108	362			
6061312A	651L	60294	6.5	89	229	207	71	84	108	115	366	119		
6061323A	651L	60294	7.0	96	231	231	71	80	99	124	363	122		
6061329A	651L	60294	6.7	96	214	225	70	81	88	108	343	115		

Sid Wenzel

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that ; ials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence est results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

09215

Synthetic Industries
Individual Roll Data
Bill of Lading:625466

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6061135A	651L	60294	6.6	91	227	212	65	79	106	115	389			
6061172A	651L	60294	6.7	89	230	223	67	78	113	121	342			
6061261A	651L	60294	6.9	103	215	227	65	83	105	132	374	122		
6061281A	651L	60294	6.5	91	218	211	66	82	107	112	392	116		
6061286A	651L	60294	6.8	94	209	210	66	86	90	106	369	130		
6061294A	651L	60294	6.6	91	217	207	65	82	99	109	379	120		
6061304A	651L	60294	7.0	96	241	225	69	82	103	123	379	119		
6061308A	651L	60294	7.0	95	236	231	69	83	100	110	376	128		

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

C rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that , produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

00215

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 23, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
BoL; 625558 PO S061990-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

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Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

Synthetic Industries
Individual Roll Data
Bill of Lading:625558

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
4130896A	651L	40949	8.4	102	241	351	73	77	94		473	163		
4130897A	651L	40949	8.7						103					
4130898A	651L	40949	8.5						92					
6060942A	651L	60293	6.2	91	196	202	67	83	101	113	346	114		
6060965A	651L	60293	6.0	85	201	196	67	81	95	109	330	112		
6061051A	651L	60294	6.7	93	221	216	63	80	107	116	384	122		

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that all rolls produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

00216

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 23, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
BoL; 625545 PO S061990-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1897

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

Synthetic Industries
Individual Roll Data
Bill of Lading:625545

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6061065A	651L	60294	6.3	105	213	205	64	80	103	115	379			
6061077A	651L	60294	6.7	88	229	213	65	77	98	108	351	111		

Sid Wasser

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that material produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 23, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
BoL; 625537 PO S061990-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR *PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet Synthetic Industries current published specifications, and the Customer gives notice to Synthetic Industries before installing the product, then Synthetic Industries will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is 02/1897*

Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

00218

Synthetic Industries
Individual Roll Data
Bill of Lading:625537

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6060862A	651L	60293	6.6	97	209	218	70	87	100	117	376	129		
6060916A	651L	60293	6.7	94	211	225	72	94	102	121	394	117		
6060925A	651L	60293	7.1	98	221	240	70	86	114	138	401	123		
6060930A	651L	60293	6.4	91	216		71		92		373	121		
6060961A	651L	60293	6.7	95	228	236	75	89	112	146	384	115		
6060969A	651L	60293	6.4	90	212	213	72	79	100	119	337	120		

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that it produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

00218

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 23, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
BoL; 625535 PO S061990-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

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Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

Synthetic Industries
Individual Roll Data
Bill of Lading:625535

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6060850A	651L	60293	6.7	99	213	214	66	86	104	107	374	113		
6060866A	651L	60293	6.8	101	225	215	69	85	100	109	367	127		
6060881A	651L	60293	6.7	97	230	211	75	88	101	116	360	116		
6060884A	651L	60293	6.3	94	198		68		106		344	117		
6061419A	651L	60294	6.4	84	217	210	62	74	96	113	358	118		
6061423A	651L	60294	6.8	95	217	220	60	74	99	115	379	117		
6061442A	651L	60295	6.5	96	213	206	61	76	105	120	369	123		

Sid Wesser

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that the material produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

00219

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 23, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
BoL; 625557 PO S061990-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weathermeter

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

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Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

Synthetic Industries
Individual Roll Data
Bill of Lading:625557

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6060946A	651L	60293	6.7	99	213		68		101		384	120		
6060950A	651L	60293	6.4	99	204		68		103		371	128		
6060954A	651L	60293	6.0	86	205	200	69	79	89	99	350	114		

Jud Weiss

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that material produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 23, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
BoL; 625520 625521 PO S061990-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

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Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

00221

Synthetic Industries
Individual Roll Data
Bill of Lading:625521

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	(XMD) lbs D4632	Elongation (MD) % D4632	(XMD) % D4632	Trap Tear (MD) lbs D4533	(XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6060858A	651L	60293	6.7	100	208	215	69	85	97	118	362	128		
6060873A	651L	60293	6.8	100	226	241	73	88	115	123	387	126		
6060908A	651L	60293	6.4	92	229	208	75	88	108	110	359	110		
6060912A	651L	60293	6.4	92	208	201	74	83	102	113	367	116		
6061438A	651L	60295	6.4	92	203	203	60	77	107	129	371	121		

Sid Wesser

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that n produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

Synthetic Industries
Individual Roll Data
Bill of Lading:625520

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6060841A	651L	60293	6.8	103	226	223	75	89	102	114	370	122		
6060854A	651L	60293	6.7	99	215	231	69	88	111	114	378	110		
6061434A	651L	60295	6.5	90	220	203	61	76	116	130	356	127		

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that n ials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

00221

SYNTHETIC INDUSTRIES

Geosynthetic Products Division

October 23, 1998

GSE Lining Technology
Karen Louie
19103 Gundle Road
Houston, TX 77073
BoL; 625578 PO S061990-00

This is to certify that Product GEOTEX™ 651L, a nonwoven polypropylene geotextile produced by Synthetic Industries will meet the following certifiable minimum average roll values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

PHYSICAL PROPERTY	TEST METHOD	U.S. UNITS	S.I. UNITS
Weight	ASTM D-5261	6.0 oz/yd^2	200 g/m^2
Thickness	ASTM D-5199	80 mils	2.0 mm
Tensile Strength	ASTM D-4632	170 lbs	755 N
Elongation	ASTM D-4632	50 %	50 %
Trapezoidal Tear	ASTM D-4533	70 lbs	310 N
Mullen Burst	ASTM D-3786	330 psi	2275 Kpa
Puncture Strength	ASTM D-4833	110 lbs	485 N
AOS	ASTM D-4751	70 US Standard Sieve	0.212 mm
Permittivity	ASTM D-4491	1.3 sec^{-1}	1.3 sec^{-1}
Permeability	ASTM D-4491	0.24 cm/sec	0.24 cm/sec
Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 lpm/m^2
U V Resistance	ASTM D-4355	70 %	70 %

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

Sid Weiser

Sid Weiser
Technical Manager
Performance Nonwovens Division

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Synthetic Industries, Inc.
4019 Industry Drive • Chattanooga, Tennessee • 37416 • USA
Telephone • 423-899-0444 • Fax • 423-899-7619 • 1-800-621-0444

Synthetic Industries
Individual Roll Data
Bill of Lading:625582

Roll Number	Style	Batch Number	Mass/ Area Osy D5261	Lab Thick mils D5199	Tensile (MD) lbs D4632	Tensile (XMD) lbs D4632	Elongation (MD) % D4632	Elongation (XMD) % D4632	Trap Tear (MD) lbs D4533	Trap Tear (XMD) lbs D4533	Mullen Burst psi D3786	Punct Resist lbs D4833	AOS mm D4751	Permit sec-1 D4491
6060988A	651L	60293	6.5	95	216	217	71	82	114	126	383	111		
6060992A	651L	60293	6.4	97	198	215	67	85	97		354	112		
6061039A	651L	60294	6.5	98	206	207	62	84	107	116	350	115		
6061234A	651L	60294	7.0	92	205	214	67	81	97	111	336	114		
6061238A	651L	60294	6.8	89	226	214	66	80	101	115	351			

Sid Wessin

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence, test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

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