



February 12, 2014

Mail To:

**Roger Singleton
Silt-Saver, Inc.**

email: roger@siltsaver.com

Bill To:

<= Same

Dear Mr. Singleton:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report of the laboratory testing for the sample(s) listed below.

TRI Job Reference Number: E2386-66-10

Material(s) Tested: One, Silt Screen(s)

Test(s) Requested: Permittivity (ASTM D 4491)

If you have any questions or require any additional information, please call us at 1-800-880-8378

Sincerely,

Mansukh Patel
Laboratory Manager
Geosynthetic Services Division
www.GeosyntheticTesting.com



GEOTEXTILE TEST RESULTS

TRI Client: Silt-Saver, Inc.

Material: Silt Screen
 Sample Identification: NL
 TRI Log #: E2386-66-10

PARAMETER	TEST REPLICATE NUMBER										MEAN
	1	2	3	4	5	6	7	8	9	10	
Constant Head Permittivity (ASTM D 4491, 2 in opening)											
Water Temp. (C):	20										
Correction Factor:	1.000										
Test Specimen No. >:	1					2					
Opening Diameter, cm	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	
Contant Head, cm	1.10	1.10	1.10	1.10	1.10	1.00	1.00	1.00	1.00	1.00	
Thickness (mils)	26.6	26.6	26.6	26.6	26.6	24.6	24.6	24.6	24.6	24.6	
Thickness (mm)	0.68	0.68	0.68	0.68	0.68	0.62	0.62	0.62	0.62	0.62	
Volume Collected (liters)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
Time (s)	12.3	12.6	12.4	12.0	12.4	12.1	12.5	12.3	12.7	12.3	
Specimen Permittivity @20°C (sec-1)	14.59	14.24	14.47	14.95	14.47	16.31	15.79	16.04	15.54	16.04	
Velocity Index V_{H50} (m/s)	0.73	0.71	0.72	0.75	0.72	0.82	0.79	0.80	0.78	0.80	
Specimen Flow rate (GPM/ft2)	1091	1065	1082	1118	1082	1220	1181	1200	1162	1200	
Specimen Flow rate (LPM/m2)	44460	43400	44100	45570	44100	49710	48120	48910	47370	48910	
Specimen Permeability (cm/s)	0.99	0.96	0.98	1.01	0.98	1.10	1.07	1.00	0.97	1.00	
Test Specimen No. >:	3					4					
Opening Diameter, cm	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	
Contant Head, cm	1.00	1.00	1.00	1.00	1.00	1.10	1.10	1.10	1.10	1.10	
Thickness (mils)	22.7	22.7	22.7	22.7	22.7	24.3	24.3	24.3	24.3	24.3	
Thickness (mm)	0.58	0.58	0.58	0.58	0.58	0.62	0.62	0.62	0.62	0.62	
Volume Collected (liters)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
Time (s)	13.0	12.6	12.8	12.5	12.9	12.3	12.9	12.8	12.8	12.5	
Specimen Permittivity @20°C (sec-1)	15.18	15.66	15.42	15.79	15.30	14.59	13.91	14.02	14.02	14.35	
Velocity Index V_{H50} (m/s)	0.76	0.78	0.77	0.79	0.76	0.73	0.70	0.70	0.70	0.72	
Specimen Flow rate (GPM/ft2)	1136	1172	1153	1181	1144	1091	1040	1048	1048	1074	
Specimen Flow rate (LPM/m2)	46270	47740	47000	48120	46630	44460	42390	42720	42720	43750	
Specimen Permeability (cm/s)	0.88	0.90	0.89	0.91	0.88	0.84	0.80	0.87	0.87	0.89	
TEMPERATURE CORRECTED VALUES at 20C											
						Permittivity (s-1)					15.03
						Velocity Index V_{H50} (m/s)					0.75
						Flow rate (GPM/ft2)					1125
						Flow rate (LPM/m2)					45820
						Permeability (cm/s)					0.94