



MATERIALS TEST REPORT FOR
Ecospaces, LLC

REPORT TO: Ecospaces, LLC
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Maximum Media Density for Dead Load Analysis of Green Roof Systems †

Lab ID#	Sample Name	Water Permeability (Saturated Hydraulic Conductivity)		Initial Media Density (Application Density)		Maximum Media Density (Saturated Density)		Maximum Media Water Retention (%)	Air-filled Porosity**	Dry Media Density	
		(in/hr)	(mm/min)	(lb/ft ³)	(g/cm ³)	(lb/ft ³)	(g/cm ³)			(lb/ft ³)	(g/cm ³)
46622-1	Intensive	24.6	10.4	62.9	1.01	81.6	1.31	48	11	51.5	0.83

Lab ID#	Sample Name	Initial Sample Wt.	Sample Volume	Initial Sample Height	Final Sample Height	Sample Wt. After Draining	Total Pore Space	pH ^{†††}	Electrical Conductivity	Organic Matter**	Organic Matter**
		(Kg)	(m ³)	(cm)	(cm)	(Kg)	(%)	mmhos/cm	(%)	g/L	
46622-1	Intensive	1.929	0.0019	10.5	10.6	2.5	59	6.9	0.2	9.5	78.7

Particle Size Evaluation*

Lab ID#	Sample Name	% Sand 2.0 - 0.063 mm	% Silt 0.063-0.002 mm	% Clay < 0.002mm	% Passing US sieve (mm)					
					Gravel 3/8"	Gravel 1/8" (3.17)	Gravel 10 (2.0)	V. Coarse 18 (1.0)	Medium 60 (0.25)	V. Fine 230 (0.063)
46622-1	Intensive	31.1	11.1	1.9	100.0	50.5	44.1	38.4	17.9	13.1

† ASTM E2399 †† At Maximum Media Density (Water-holding Capacity) ††† ASTM D4972 w CaCl₂ (not screened) Electrical Conductivity (1:5) *ASTM F1632 Method B **Ashed at 550° C (FLL Guidelines)

Samples were tested as received and comments pertain only to the samples shown.
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Sample condition upon receipt was normal.
Samples were received with a transmittal letter.

Reviewed by _____