



ANALYSIS FOR:			ADDITIONAL COPY TO:		
John Smith Greenroof America 111 Plant Lane Sedum PA 11111					
LAB ID	SAMPLE ID	SAMPLE TYPE	DATE SAMPLED	DATE RECEIVED	DATE COMPLETED
SMOTEST	TOP GROW 187.35	Multi-course extensive	4/1/2008	4/3/2008	4/10/2008

Green Roof Media Analysis Results

Analysis ¹	Units	Result
Bulk Density (dry weight basis)	g/cm ³	1.19
Bulk Density (dry weight basis)	lb/ft ³	74.38
Bulk Density (at max. water-holding capacity)	g/cm ³	1.30
Bulk Density (at max. water-holding capacity)	lb/ft ³	80.94
Maximum Water-holding Capacity	Vol. %	10.5
Air-Filled Porosity (at max water-holding capacity)	Vol. %	22.5
Total Pore Volume	Vol. %	33.0
Water permeability (saturated hydraulic conductivity)	cm/s	0.016
Water permeability (saturated hydraulic conductivity)	in/min	0.37
Organic Measurements²		
Organic matter content	mass %	6.2
Organic matter content	g/L	73.7

¹ASTM Method E2399, Standard Test Method for Maximum Media Density for Dead Load Analysis of Green Roof Systems

²Loss on Ignition (500 C)