



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 1	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	1.15
Bulk Density (dry weight basis)	lb/ft ³	71.77
Bulk Density (at water-holding capacity)	g/cm ³	1.35
Bulk Density (at water-holding capacity)	lb/ft ³	84.36
Maximum Water-holding Capacity	Vol. %	20.6
Air-Filled Porosity (at max water-holding capacity)	Vol. %	14.8
Total Pore Volume ²	Vol. %	35.4
Water permeability (saturated hydraulic conductivity)	cm/s	0.02
Water permeability (saturated hydraulic conductivity)	in/min	0.37

¹ASTM Method E2399-05, Standard Test Method for Maximum Media Density for Dead Load Analysis of Green Roof Systems

²Total pore volume determined using measured particle density