



| 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 |
| <i>Organic Measurements²</i> | | |
| 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)