

### Analytical Details of Professional Grades of Peat Moss

Test	Peat Moss Grade						
	Extra Fine	Fine	Medium	Coarse	Extra Coarse	Extra Coarse + Chunks	Chunks
<b>Root content (%)</b>	Less than 0.1	Less than 1	Less than 1.5	Less than 3	Less than 3.5	Less than 5	Less than 8
<b>Screening (%) **</b>	C: 5-12 F+D: 37-58	C: 15-30 F+D: 35-50	C + M: 49-63 D: less than 6	C + M: 50-70 D: less than 7	C + M: 55-75 D: less than 7	C + M: 65-80 D: less than 7	C + M: 80-90 D: less than 7
<b>Water Holding capacity (%)</b>	70-72	70-72	68-72	60-68	58-66	50-65	50-60
<b>Water Holding capacity (x dry weight)</b>	10-14 times						
<b>Air Space (%)</b>	18-22	20-25	20-26	20-28	22-30	22-32	25-35
<b>Dry Bulk density (g/l)</b>	70-75	67-70	62-70	60-68	55-67	55-65	40-55
<b>Moisture (%)</b>	45 -55						
<b>pH</b>	3.5 - 3.8						
<b>Electrical conductivity (µS/cm)</b>	70 -120						
<b>Organic matter content (%)</b>	98 - 99						
<b>Cation Exchange Capacity (CEC) (meq/100 g)</b>	100 - 150						
<b>Carbon / Nitrogen ratio</b>	48-54						
<b>Ash Content (%)</b>	0.8 - 2						
<b>Nitrogen %</b>	0.8-1.0						
<b>Phosphorus %</b>	0.01-0.03						
<b>Potassium %</b>	0.01-0.2						
<b>Magnesium %</b>	0.1-0.2						
<b>Calcium %</b>	0.1-0.25						

\*\* C - (Coarse): Particle size > 2.38 mm  
M - (Medium): Particle size between 2.38 mm and 0.849 mm  
F - (Fine): Particle size between 0.849 and 0.149 mm  
D - (Dust) = Particle size less than 0.149 mm

Revised: June 2013