

Analytical Details of Professional Grades of Peat Moss

Test	Peat Moss Grade						
	Extra Fine	Fine	Medium	Coarse	Extra Coarse	Extra Coarse + Chunks	Chunks
Root content (%)	Less than 0.1	Less than 1	Less than 1.5	Less than 3	Less than 3.5	Less than 5	Less than 8
Screening (%) **	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
Water Holding capacity (%)	70-72	70-72	68-72	60-68	58-66	50-65	50-60
Water Holding capacity (x dry weight)	10-14 times						
Air Space (%)	18-22	20-25	20-26	20-28	22-30	22-32	25-35
Dry Bulk density (g/l)	70-75	67-70	62-70	60-68	55-67	55-65	40-55
Moisture (%)	40 -60						
pH	3.5 - 3.8						
Electrical conductivity (µS/cm)	Less than 400						
Organic matter content (%)	98 - 99						
Cation Exchange Capacity (CEC) (meq/100 g)	100 - 150						
Carbon / Nitrogen ratio	48-54						
Ash Content (%)	0.8 - 2						
Nitrogen %	0.8-1.0						
Phosphorus %	0.01-0.03						
Potassium %	0.01-0.2						
Magnesium %	0.1-0.2						
Calcium %	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: July 2019