

Sphagnum peat moss substrate`s

To whom it may concern.

Quality Parameters for Growing Media (RAL-GZ 250/2)	
Quality parameter	Range of values
1. Physical properties	
1.1 Type of raised bulk peat	1
1.2 Degree of decomposition according to von Post	H2-H5
1.2.1 Assessment of degree of decomposition	weakly decomposed white peat
1.3 Moisture content (%-by-weight)	< 80
1.4 Bulk density of organic matter (g/l)	50-200
1.5 Total pore volume 1)	95-97
1.6 Water capacity 1)	42-83
1.7 Air capacity 1)	14-55
1.8 shrinkage value1)	20-30
2. Chemical properties	
2.1 pH value	2,8-6,0
2.2 Salinity (KCl) (g/l) (EC: 0,05 - 1,2 mS/cm)	< 0.4 - 1,5
2.3 Soluble nutrients (available to plants) mg/ltr.	
2.3.1 - Nitrogen (NH ₄ -N+NO ₃ N)	<50 - 210
2.3.2 - Phosphorous (P ₂ O ₅)	<30 - 240
2.3.3 - Potassium (K ₂ O)	<40 - 270
2.4 Organic Matter	>97%