

**“CERTIFICATE OF ANALYSIS”**

Sphagnum peat moss for agricultural use is as follows :

**Peat moss for agriculture use ( Landscaping)**

<b>Product :</b>	<b>White peat</b>	<b>Date :</b>
<b>Quality parameter</b>		<b>20.07.2021</b>
		<b>Range of values</b>
<b>1. Physical properties</b>		
1.1 Type of raised bulk peat		0-40mm
1.2 Degree of decomposition according to von Post		H2-H4
1.2.1 Assessment of degree of decomposition		weakly decompost white peat
1.3 Moisture content (%-by-weight)		45-60
1.4 Bulk density of organic matter (g/l)		50-80
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
<b>2. Chemical properties</b>		
2.1 pH value		3,5 – 4,5
2.2 Salinity (KCl) (g/l)		< 0.4
2.3 Soluble nutrients (available to plants) mg/ltr.		
2.3.1 - Nitrogen (NH <sub>4</sub> -N+NO <sub>3</sub> N)		<50
2.3.2 - Phosphorous (P <sub>2</sub> O <sub>5</sub> )		<30
2.3.3 - Potassium (K <sub>2</sub> O)		<40
2.4 Organic Matter		>97%
2.5 Total content of heavy metals [mg/kg dm]		
2.5.1 Arsenic (As)		<40
2.5.2 Lead (Pb)		<150
2.5.3 Cadmium (Cd)		<1,5
2.5.4 Chromium (Cr)		<300
2.5.5 Nickel (Ni)		<80
2.5.6 Mercury (Hg)		<1
2.5.7 Thallium (Tl)		<1

Issued by product & quality department