

"SILU KUDRA" Ltd  
 "Lapas", Smarde parish  
 Engure region, LV-3129  
 Latvia



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**Detailed Composition, Quality Certificate**

Name of the Product: S 200  
 Date 03.10.2024

Item		Specification of product	Unit	Test Method	Result
Milled peat 2-8 mm		Screened milled peat	m3	LVS EN 13040:2008 EN 13040:2007	70 %
Black peat 2-8 mm		Screened black peat	m3	LVS EN 13040:2008 EN 13040:2007	30 %
Fertilizer		NPK 14:16:18	kg/m3	Weights	1,0 kg
Super elements		Special aded	g/m3	Weights	50 g
Wetting agent		Fiba zorb	g/m3	Weights	100 g
Form of product		Peat moss		Visual	Peat moss
Color		Light brown, dark brown		Visual	Light Brown, dark brown
Organic Matter content:		Min. 80%	%(w/w)	AOAC 2007 (967.05)	97 %
pH in 24 h in H2O		pH level in distilled water	pH level	Local measurement method	5.20-5.64
pH in 24 h in CaCl2		pH level in CaCl2	pH level	Local measurement method	4.98-5.54
EC level		EC level in distilled water	EC level	Local measurement method	1.23
Bulk density		Certificated cylinder	kg/m3	LVS EN 13040:2008 EN 13040:2007	205

The above product is free from any hormones and is freely used in Turkey and EU countries.  
 Origin: Latvia

03.10.2024

  
**Iveta Zekunde**  
 Chief of Laboratory

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### CERTIFICATE OF ANALYSES

#### General Characteristics:

Product:	Sphagnum peat moss substrate S 200
Fraction:	0-8 mm
pH:	5,5-6,0
Origin:	Latvia

#### Physical characteristics:

Peat decomposed	H4-H7
Density (kg/m <sup>3</sup> ):	225
Water Holding capacity (g water/100g dry matter):	49.6%
Humidity % (g/100 g fresh substrate):	max 70
Organic matter % (g/100 g dry substrate):	>95 %

pH H <sub>2</sub> O:	5,55
Conductivity mS/cm:	1.0-1.4
N (mg/L):	140
P <sub>2</sub> O <sub>5</sub> (mg/L):	160
K <sub>2</sub> O (mg/L):	180
Mg (mg/L):	80
S (mg/L):	80
Hg(mg/kg)	0.009
As(mg/kg)	0.005
Pb(mg/kg)	2.3
Zn(mg/kg)	6.78
Ni((mg/kg)	1.3
Ca (%)	1.15

The peat is sterile and doesn't contain nematode, fungus etc. factors.

03.10.2024

Iveta Zekunde  
Chief of Laboratory

