

Torf Krasno Peat Chemical Analysis

Analyzed Sample	% in natural sample	% in dry peat
Water	92.77	-
Anorganic elements:	0	
Alkali (Na ₂ O + K ₂ O)	0.02 ₄	0.33
Magnesium oxide (MgO)	0.01 ₅	0.21
Calcium monoxide (CaO)	0.02 ₄	0.33
Iron oxide (Fe ₂ O ₃)	0.01 ₈	0.25
Aluminum oxide (Al ₂ O ₃)	0.00 ₉	0.13
Sulfur dioxide (SO ₃)	0.00 ₃	0.04
Carbon dioxide (CO ₂)	traces	
Sulfates (S)	0.000	0.00
Sulfur elements (S)	0.000	0.01
Silic oxide (SiO ₂)	0.11 ₈	1.62
Total of organic elements = 97.05% in dry peat		
Organických latek:		
(Soluble in boiling water /pectins, sugars, Humus substance, etc.)	0.15	2.18
Hydrolyzed album (N. 6.25)	0.23	3.30
Hemicellulose	2.34	32.15
Cellulose	1.17	16.13
Humic acid	1.32	18.11
Humus substance	0.31	4.28
Sediment & Xylites	1.01	13.93
Bitumen compounds C ₆ H ₆ (Waxes, oils, Resins)	0.44	6.14
Nonhydrolysed Nitrogen (N)	0.04	0.56
Organic Sulfur (S)	0.01	0.25

Stage of Humification = Nonhydrolysed particles – Hydrolysed particles + 11 = 32.99%
 pH of liquid produced from the sample = 4.2

Total of anorganic elements (Ashes) 2.87% in dry peat