

ebc certificate	
certificate id	ft66-h47g-j95q-7alp
Certified application class	EBC-AgroOrganic
Period of production	01/2023-01/2024
Pyrolysis feedstock	Rice husk
Mineral additives	None
Highest treatment temperature attained in the pyrolysis	600.0 °C
Bulk density (for particle size < 3mm, dry)	166.0 kg m ⁻³
C-sink potential	37.5 %

Biochar properties		
Organic Carbon content (C _{org})	51.4	%
H/C _{org} ratio	0.2	
Total Nitrogen	8.6	g/kg
Phosphorus in P ₂ O ₅	2.0	g/kg
Potassium as K ₂ O	7.9	g/kg
Calcium in CaO	2.8	g/kg
Magnesium in MgO	1.2	g/kg
pH (in CaCl)	9.6	
Water Holding Capacity (WHC)	148.2	%
Water content at filling	15.1	%
Specific Surface Area	258.6 m ² /g ⁻¹	
Iron (Fe)	0.5	g/kg
Lead (Pb)	< 2	mg/kg
Cadmium (Cd)	< 0.2	mg/kg
Copper (Cu)	4	mg/kg
Nickel (Ni)	5	mg/kg
Mercury (Hg)	< 0.07	mg/kg
Zinc (Zn)	33	mg/kg
Chromium (Cr)	19	mg/kg
Silver (Ag)	< 5	mg/kg
Conductivity of the milled biochar at 1.2 t pressure	42	mS/cm
Total 8 EFSA-PAH excl. LOQ	(n. c.) not calculable	mg/kg
Total carbon	51.4	% (w/w)

Biochar properties

Hydrogen	1.0	% (w/w)
Oxygen	2.9	% (w/w)
Sulphur as SO ₃	0.1	% (w/w)
Ash content (550°C)	44.3	% (w/w)

version 1.02 - 2024-01-15 13:46