

ebc certificate	
certificate id	z6zv-fj27-jpcs-tfjj
Certified application class	EBC-BasicMaterials
Period of production	01/2023-01/2024
Pyrolysis feedstock	Rice husk
Mineral additives	None
Highest treatment temperature attained in the pyrolysis	0.0 °C
Bulk density (for particle size < 3mm, dry)	168.0 kg m ⁻³
C-sink potential	45.4 %

Biochar properties		
Organic Carbon content (C _{org})	48.7	%
H/C _{org} ratio	0.3	
Total Nitrogen	7.1	g/kg
Phosphorus in P ₂ O ₅	2.1	g/kg
Potassium as K ₂ O	8.3	g/kg
Calcium in CaO	1.6	g/kg
Magnesium in MgO	1.3	g/kg
pH (in CaCl)	8.2	
Water Holding Capacity (WHC)	161.0	%
Water content at filling	19.3	%
Specific Surface Area	193.6	m ² /g ⁻¹
Iron (Fe)	1.1	g/kg
Lead (Pb)	< 2	mg/kg
Cadmium (Cd)	< 0.2	mg/kg
Copper (Cu)	2	mg/kg
Nickel (Ni)	7	mg/kg
Mercury (Hg)	< 0.07	mg/kg
Zinc (Zn)	18	mg/kg
Chromium (Cr)	3	mg/kg
Silver (Ag)	< 5	mg/kg
Conductivity of the milled biochar at 1.2 t pressure	0.38	mS/cm
Total 8 EFSA-PAH excl. LOQ	2.1	mg/kg
Total carbon	48.7	% (w/w)

Biochar properties

Hydrogen	1.1	% (w/w)
Oxygen	6.7	% (w/w)
Ash content (550°C)	44.8	% (w/w)

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