

ebc certificate	
certificate id	u9u3-qbe3-z685-1utp
Certified application class	EBC-FeedPlus
Period of production	10/2023-10/2024
Pyrolysis feedstock	Holz hackschnitzel aus dem eigenen Wald, der von einem FSC-zertifizierten Fortbetrieb bewirtschaftet wird.
Mineral additives	
Highest treatment temperature attained in the pyrolysis	680.0 °C
Bulk density (for particle size < 3mm, dry)	347.0 kg m ⁻³
C-sink potential	81.1 %

Biochar properties		
Organic Carbon content (C _{org})	84.8	%
H/C _{org} ratio	0.2	
Total Nitrogen	10.1	g/kg
Phosphorus in P ₂ O ₅	2.3	g/kg
Potassium as K ₂ O	5.3	g/kg
Calcium in CaO	15.1	g/kg
Magnesium in MgO	2.1	g/kg
pH (in CaCl)	9.1	
Water Holding Capacity (WHC)	176.7	%
Water content at filling	8.9	%
Iron (Fe)	1,5	g/kg
Lead (Pb)	3	mg/kg
Cadmium (Cd)	0,3	mg/kg
Copper (Cu)	14	mg/kg
Nickel (Ni)	12	mg/kg
Mercury (Hg)	< 0,07	mg/kg
Zinc (Zn)	106	mg/kg
Chromium (Cr)	35	mg/kg
Silver (Ag)	< 5	mg/kg
Conductivity of the milled biochar at 1.2 t pressure	95	mS/cm
Total 8 EFSA-PAH excl. LOQ	0,1	mg/kg
Total carbon	85.1	% (w/w)
Hydrogen	1.5	% (w/w)
Oxygen	7.0	% (w/w)
Sulphur as SO ₃	1.1	% (w/w)

Biochar properties

Ash content (550°C)	6.5	% (w/w)
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