

CARBOFEX OY

PRODUCT PROPERTIES

Product name:	Carbofex Biochar Natural
Surface area	550 m/g
Fixed carbon (FC)	>90 %
Bulk density	~200 kg/m ³
Conductivity	21,5 mS/m
Moiture content	30 - 50%
Ash	1,6-4%
PAH	~5 mg/kg, d
pH	~10
Total Phosporous (P)	270mg/kg, d
Water soluble Phosphorus	<10 mg/kg, d
Total potassium (K)	3200 mg/kg, d
Water soluble potassium	1990 mg/kg, d
Total nitrogen (TOT N)	0.6 - 0.8 %
Heavy metals	
Arsenic (As)	<0,5 mg/kg, d
Cadmium (Cd)	0,04 mg/kg, d
Chromium (Cr)	13mg/kg, d
Copper (Cu)	4,7 mg/kg, d
Lead (Pb)	4,2 mg/kg, d
Nickel (Ni)	13 mg/kg, d
Zink (Zn)	56 mg/kg, d
Mercury (Hg)	<0,02mg/kg, d
Pyrolysis temperature	~600°C, <10 min, continuous
Feed stock and origin	PEFC-certified Spruce, max distance of harvest 80 km from the production facility Approved for organic production
Intented use	substrate, filterin media, compost additive, feed suppement
Producer:	Carbofex Oy Tehdaskartanonkatu 25 33400 TAMPERE, Finland carbofex.fi info@carbofex.fi