

Product properties

Wood-based char (Kazakstan)

Pyrolysis temperature

Pyrolysis time

Batch/continuous process

BET surface area 140 m²/g

Net calorific value 32,32 MJ/kg

Composition:

Moisture content 3,48%

Fixed carbon 82,7%

Ash 2,8%

O/C ratio 0,102

H/C ratio 0,033

Cl 0,005 %

Nutrients:

N 5,4 g/kg

P 0,6 g/kg

K 3,7 g/kg

Ca 7 g/kg

Mg 1,4 g/kg

Heavy metals:

Arsenic (As) < 0,01 mg/kg

Copper (Cu) 3,71 mg/kg

Cadmium (Cd) 0,06 mg/kg

Nickel (Ni) 0,91 mg/kg

Lead (Pb) 0,71 mg/kg

Chromium (Cr) 0,09 mg/kg

Mercury (Hg) < 0,01 mg/kg

Boron (B) 12 mg/kg

Manganese (Mn) 159 mg/kg

Zink (Zn) 72 mg/kg