

## HOK<sup>®</sup> - Super (< 0,1 mm)

### Analysis reference values ex works

(For general information only, not to be used as purchase specifications)

<b>Proximate analysis</b> (annual average)		
Moisture	% wt	0.5
Ash	% wt	9.0
Volatiles	% wt	3.0
Fixed carbon	% wt	87.5
<b>Ultimate analysis</b> (annual average)		
Carbon	% wt	89.0
Hydrogen	% wt	0.4
Oxygen	% wt	0.5
Nitrogen	% wt	0.4
Sulfur	% wt	0.5
<b>Grain size</b> (annual average)		
< 63 µm	%	min. 80
d <sub>50</sub>	µm	24.0
<b>Physical Characteristics</b>		
Bulk density	g / cm <sup>3</sup>	0.55
	after 2 minutes waiting time	0.44 (+/-0.04)
Specific surface (reference value)	m <sup>2</sup> / g	300 (+/-30)
<b>Oxide analysis of the ash</b> (annual average)		
in compliance with standard DIN 51729 part 10 - ashing temperature 450°C		
SiO <sub>2</sub>	% wt	2.0
Fe <sub>2</sub> O <sub>3</sub>	% wt	11.0
Al <sub>2</sub> O <sub>3</sub>	% wt	3.0
SO <sub>3</sub>	% wt	12.0
CaO	% wt	36.0
MgO	% wt	16.0
Na <sub>2</sub> O	% wt	7.0
K <sub>2</sub> O	% wt	1.0
note: P <sub>2</sub> O <sub>5</sub> < 0.2 % wt		
<b>Ash fusibility</b> (limit values) according to standard DIN 51730		
Softening temperature	°C	≥ 1.100
Flow temperature	°C	≥ 1.250