

# ARBOCEL

Natural cellulose fibers

**Basic raw material**

Bleached cellulose, sulphite, non-coniferous

**Characteristics**

Cellulose powder, off-white

**Chemical composition**

Alpha cellulose	~	73.1 %
Hemicellulose	~	9.1 %
Lignin	~	7.2 %
Extracts	~	0.7 %
Ash	~	3.2 %
Water	~	6.7 %
Arsenic	<	0.1 mg/kg
Lead	max.	0.5 mg/kg
Cadmium	max.	0.2 mg/kg
Mercury	<	0.02 mg/kg
Total		<hr/> 100 %

**Physical properties**

Whiteness (absolute value at 460 nm)	73 % - 82 %
pH-value	6.5 - 8.5
Average fiber length	45 µm
Average fiber thickness	25 µm
Bulk density	220 g/l - 280 g/l
Water binding capacity	~ 3.9 g H <sub>2</sub> O/g d.s.
Oil binding capacity	~ 2.8 g oil/g d.s.

**Screen analysis** (in accordance with DIN EN ISO 4610/air jet sieve) with an interior mesh aperture of:

<u>&gt; 71 µm</u>	<u>&gt; 45 µm</u>
0 %	max. 7 %

**General remarks**

ARBOCEL cellulose fibers are environment friendly products, gained from replenishable raw materials. Among other things, they are used as thickeners, for fiber reinforcement, as an absorbent and diluent or as a carrier and filler in most manifold application fields.

As with all natural products slight differences to the above given values may arise.

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