

ARBOCEL

Natural cellulose

Basic raw material

Raw cellulose

Characteristics

Fine powder, yellow

Chemical composition

Alpha cellulose	~	39 %
Hemicellulose	~	26.5 %
Lignin	~	25.7 %
Extracts	~	1.6 %
Oxide ash (850 °C, 4 h)	~	0.8 %
Loss on drying	~	6.4 %
Arsenic	max.	0.1 mg/kg
Lead	max.	0.5 mg/kg
Mercury	max.	0.02 mg/kg
Cadmium	max.	0.2 mg/kg
Total		100 %

Physical properties

Average particle size / particle range	20 µm - 40 µm
pH-value (10 % suspension)	4.5 - 6.5
Bulk density (in accordance with DIN EN ISO 60)	180 g/l - 210 g/l
Water binding capacity	~ 4 g H ₂ O/g cellulose
Oil binding capacity	~ 2.7 g oil/g cellulose

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

> 100 µm	> 45 µm
max. 0.5 %	max. 10 %

General remarks

ARBOCEL raw celluloses 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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