

H&I Chemicals Ltd

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SALES SPECIFICATION

MICROCRYSTALLINE CELLULOSE 102 (Ph, Eur, NF, E460 & FCC)

Appearance	White or almost white, fine or granular, slightly hygroscopic powder.
Solubility	Practically insoluble in water, acetone, anhydrous ethanol and toluene, dilute acids and sodium hydroxide solution (50 g/L).
Identification A:	IR scan conforms
Identification B:	Violet-blue colour
Identification C:	Degree of polymerization max. 350
Conductivity:	75µS/ cm max.
Ether soluble substances:	0.05% max.
Loss on drying:	6.0% max.
pH:	5.0 – 7.0
Solubility:	Dissolves completely
Sulphated ash / residue on ignition:	0.05% max.
Water-soluble substances:	0.24% max.
TAMC (Total aerobic microbial count):	10 ² cfu/g max.
TYMC (Total yeast and mold count):	20 cfu/g max.
Escherichia coli:	Absent in 1 g
Pseudomonas aeruginosa:	Absent in 1 g
Salmonella species:	Absent in 10 g

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Staphylococcus aureus:	Absent in 1 g
Bulk density:	0.27 – 0.34 g/ml
Particle size (retained on air jet sieve)	
> 250 µm (60 mesh)	8.0% max
> 75 µm (200 mesh)	45.0% min

The raw materials, manufacturing process and product do not contain any of solvents listed in Residual Solvents.

Issue Date: August 2020