

Product Data Sheet

MICROCRYSTALLINE CELLULOSE

MCC PH101

CAS No : 9004-34-6

MCC PH101 Microcrystalline Cellulose is an odorless, tasteless white powder with a high degree of brightness, derived from highly purified. MCC PH101 is a filler/binder and fiber source for pharmaceutical oral dosage and nutraceutical forms. It is primarily used in wet granulation.

Specification

Chemical and Physical:

Loss on Drying	3.0 - 5.0 %*
Loose Bulk Density	0.26 - 0.31 g/cc
Identification A Pass	
Degree of Polymerization	NMT 350 units
pH	5.5 - 7.0*
Conductivity	NMT 75 μ S/cm
Residue on Ignition	NMT 0.05 %
Water Soluble Substances	NMT 12.5 mg/5g
Water Soluble Substances	NMT 0.25 %
Ether Soluble Substances	NMT 5.0 mg/10g
Heavy Metals	NMT 0.001 %
Solubility in Copper Tetrammine Hydroxide Soluble	
Identification 2(JP)	Pass

Microbiological:

Total Aerobic Microbial Count	NMT 100 cfu/g*
Total Yeast and Mold Count	NMT 20 cfu/g*
Pseudomonas aeruginosa	Absent in a 10g sample
Escherichia coli	Absent in a 10g sample
Staphylococcus aureus	Absent in a 10g sample
Salmonella species	Absent in a 10g sample
Coliform species	Absent in a 10g sample

Additional Specifications

	D10	D50	D90
Particle Size Distribution	14-30	40-75	77-156

Particle Size (Air Jet):

- wt. % + 60 mesh (250 microns) NMT 1.0
- wt. % + 200 mesh (75 microns) NMT 30

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Packing:

Packed in fiber drum, containing 25 kgs; palletized & shrink wrapped.

Storage:

Store it in a cool, dry place below 30°C and protected against humidity and pressing, since the goods is thermoplastic, storage time should not exceed 36 months.

Safety notes:

The above data is in accordance with our knowledge, but don't absolve the clients carefully checking it all immediately on receipt. To avoid the different formulation and different raw materials, please do more testing before using it.