



Microcel MC-101

Microcrystalline Cellulose, NF/EP

Microcel MC-101 grade of MCC is used primarily in wet granulation, but may also be used in direct compression. The small particle size of Microcel MC-101 works particularly well when used with large particle size active ingredients, because the smaller size reduces the space between the active particles. Recommended usage levels are between 10 – 50%.

Product Specifications

Chemical & Physical Properties

Appearance	White, non fibrous powder
Odor	Odorless
Identification A	Positive
Identification B (Degree of Polymerization)	NMT 350
Loss on drying (as shipped)	NMT 7.0 %
pH	5.0 to 7.0
Water soluble substances	NMT 0.24 %
Ether soluble substances	NMT 0.05 %
Residue on ignition	NMT 0.05 %
Heavy metals	NMT 10 ppm
Conductivity	NMT 75 uS
Solubility in Copper Tetrammine Solution	Positive
Retained on 60 Mesh (250 Microns)	NMT 1.0 %
Retained on 200 Mesh (74 Microns)	NMT 30.0 %
Bulk density	0.26-0.31 g/cm ³
Solubility Information:	
Dilute Alkali	Partially soluble
Dilute Acid and Organic Solvents	Insoluble
Water	Insoluble, Dispersible

This product meets the requirement for Residual Solvents – USP<467>, EP<5.4>. No solvents are used in the manufacturing process.

Microbiological Properties

Total aerobic microbial count	NMT 1000 cfu/g
Total combined molds and yeasts count	NMT 100 cfu/g
Escherichia coli	Absent
Pseudomonas aeruginosa	Absent
Salmonella species	Absent
Staphylococcus aureus	Absent

General Information

- (1) This product is manufactured in accordance with the Good Manufacturing Practices, complies with the current USP/NF/EP requirements.
- (2) Package: 15 kgs plastic bag.
- (3) Store in dry area, in tight containers.
- (4) Shelf life from the manufacturing date: 3 years when preserved in tight containers.
- (5) NMT = Not More Than
- (6) DMF number 9201
- (7) CAS: 9004-34-6

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