

## MICROCEL MC-102

### Definition

#### Product Identifier

**Product name:** MICROCEL MC-102

Microcrystalline Cellulose.  
Used in direct compression.  
CAS: 9004-34-6

### Specifications

#### PHYSICO-CHEMICAL SPECIFICATIONS

Appearance	White, non fibrous powder
Odor	Odorless
Identification A	Positive
Identification B(degree of polymerization)	350 max.
Loss on drying (as shipped)	7.0 % max.
pH	5.0 - 7.0
Water soluble substances	0.24 % max.
Ether soluble substances	0.05 % max.
Residue on ignition	0.05 % max.
Conductivity	75 uS/cm max.
Solubility in copper tetrammine solution	Positive
Retained on 60 mesh (250 microns)	8.0 % max.
Retained on 200 mesh (75 microns)	45.0 % min.
Bulk density	0.28 - 0.33 g/cm3

#### MICROBIOLOGICAL SPECIFICATIONS

Total aerobic microbial count	1000 cfu/g max.
Total combined mold and yeast count	100 cfu/g max.
Escherichia coli	Absent in 1 g
Pseudomonas aeruginosa	Absent in 1 g
Salmonella species	Absent in 10 g
Staphylococcus aureus	Absent in 1 g

### Indicatives Values

Solubility Information : practically insoluble in sodium hydroxide solution  
(1 in 20); insoluble in water, in dilute acids, and in most organic

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solvents.

### Conformity

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Complies with the current USP/NF/EP requirements.

### Storage

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Store in dry area, in tight containers.

**Retest date** manufacturing date + 3 years.

### Disclaimer

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The information provided in this Product Specification Sheet relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process.

All information and instructions provided in this Product Specification Sheet are based on the current state of our knowledge at the latest revision date indicated. It is the responsibility of the user to be aware of and to follow the regulations applying to our product for its possession, handling and use.

Notes : All the dates are formatted like YYYY/MM/DD.