

**CERTIFICATE OF ANALYSIS**  
**MCC 102 Microcrystalline Cellulose**  
**NF, Ph.Eur.**

Product	Specifications	Test Method
<b>Microcrystalline Cellulose MCC 102</b>		
Bulk Density	0.27 to 0.34 g/ml	NF
Sieve Analysis (% Retention)		
60 Mesh (250 µm)	< 8.0%	Inhouse method
200 Mesh (75 µm)	> 45.0%	
<b>General</b>		
Colour	White	Ph.Eur.
Identification A	have to correspond	NF, Ph.Eur.
Identification B	have to correspond	NF, Ph.Eur.
Degree of Polymerisation	Max. 350	NF, Ph.Eur.
Solubility	have to correspond	Ph.Eur.
pH	5.0 - 7.0	USP, Ph.Eur.
Residue on ignition	Max. 0.05%	USP, Ph.Eur.
Loss on Drying	Max. 6.0%	USP, Ph.Eur.
Heavy Metals	Max. 10 ppm	USP
Conductivity	Max. 75 µS	USP, Ph.Eur.
Water Soluble Substance	Max. 0.24 %	USP, Ph.Eur.
Ether Soluble Substance	Max. 0.05 %	USP, Ph.Eur.
<b>Microbial Analysis</b>		
Total Aerobic Microbial Plate Count	Max. 100 CFU/g	USP, Ph.Eur.
Total Yeast and Molds Count	Max. 20 CFU/g	USP, Ph.Eur.
Escherichia Coli	Should be Absent	USP, Ph.Eur.
Staphylococcus Aureus	Should be Absent	USP, Ph.Eur.
Salmonella Species	Should be Absent	USP, Ph.Eur.
Pseudomonas Aeruginosa	Should be Absent	USP, Ph.Eur.

The raw materials, manufacturing process and product do not contain any of the solvents listed in Residual Solvents (Ph.Eur.<5.4>,USP<467>).

\* Data based on manufacturer's document

*John*

Quality Control

