



## SPECIFICATIONS

### Microcrystalline Cellulose MCC SANAQ® (USP-NF / Ph. EUR)

Type	101	102	102 HBD	103	112	113	200	1000	Test method
Description	Microcrystalline Cellulose is purified, partially depolymerized cellulose prepared by treating alpha cellulose, obtained as a pulp from fibrous plant material, with mineral acids.								
Appearance	White to almost white, fine or granular powder								
Odour	odourless								
Solubility	Practical insoluble in water, absolute ethanol, acetone and toluene								
Iodinated zink chloride solution (Ident. A)	passes								
Degree of Polymerization (Ident. B)	n.m.t. 350 DP units								
Particle Size									
+ 60 mesh	n.m.t. 1.0%	n.m.t. 8%	n.m.t. 8%	n.m.t. 1.0%	n.m.t. 8.0%	n.m.t. 8.0%	n.l.t. 10.0%	n.m.t. 0.5%	
+ 200 mesh	n.m.t. 30.0%	n.l.t. 45.0%	n.l.t. 50.0%	n.m.t. 30.0%	n.l.t. 45%	n.l.t. 45%	n.l.t. 10.0%	n.m.t. 20.0%	
Bulk density g/cm <sup>3</sup>	0.22 - 0.34	0.28 - 0.37	0.30 - 0.40	0.26 - 0.37	0.28 - 0.38	0.28 - 0.38	0.29 - 0.36	0.10 - 0.15	USP-NF
Loss on drying	n.m.t. 7.0%	n.m.t. 7.0%	n.m.t. 7.0%	n.m.t. 2.0%	n.m.t. 1.5%	n.m.t. 1.5%	n.m.t. 7.0%	n.m.t. 7.0%	USP-NF
pH value	5.0 - 7.5								
Conductivity	n.m.t. 75 µ S								
Sulphate Ash /Residue on ignition	n.m.t. 0.1 %								
Water soluble substances	n.m.t. 0.25 %								
Ether soluble substances	n.m.t. 0.05 %								

The MCC SANAQ® has not come into contact with any organic solvents during the production, storage and delivery.

#### Microbiological Parameters

Total aerobic count	n.m.t. 1000 CFU/g	USP-NF / Ph. Eur.
Moulds and yeasts	n.m.t. 100 CFU/g	USP-NF / Ph. Eur.
E. coli, Pseudomonas aeruginosa	negative in 10 g sample	USP/Ph. Eur.
St. Aureus, Salmonella species	negative in 10 g sample	USP/Ph. Eur.

Wet Granulation
Direct Compression
High Bulk Density Grade
Low Moisture Grade
Direct Compression & Superior Flow
High Dose Formulation & Reduced Tablet Size

#### Contact

#### Pharmatrans Sanaq AG

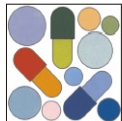
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## SPECIFICATIONS

### MCC SANAQ® FG

Powdered Microcrystalline Cellulose - Food Grade  
(USP-NF / Ph. EUR)

Applications	Bulking agent-Binding and thickening agent-Stabilizer-Moisture reducer-Anti caking-Volume enhancement-Reduction fats pick in fried foods-Texturing agent	Test Method
Type	Food grade	
Description	White to almost white powder.Exhibits degree of fineness ranging from free flowing dense powder to a coarse, fluffy non flowing material	
Solubility	Slightly soluble in sodium hydroxyde solution (1in20),insoluble in water, in dilute acids and in nearly all organic solvents	
Identification	Test A:The substance takes on a violet-blue color Test B: The degree of polymerization is greater than 440	
<b>Particle Size</b>		
+ 60 mesh	n.m.t. 1.0 %	
+ 200 mesh	n.m.t. 30.0%	
Loss on drying	n.m.t. 6.5 %	USP-NF
pH value	5.0 - 7.5	USP-NF/Ph. Eur.
Conductivity	n.m.t. 75 µ S	USP-NF
Sulphate Ash /Residue on ignition	n.m.t. 0.3 %	USP-NF
Water soluble substances	n.m.t. 1.5 %	USP-NF/Ph. Eur.
Ether soluble substances	n.m.t. 0.15 %	USP-NF/Ph. Eur.
<b>Microbiological Parameters</b>		
Total aerobic count	n.m.t. 1000 CFU/g	USP-NF / Ph. Eur.
Moulds and yeasts	n.m.t. 100 CFU/g	USP-NF / Ph. Eur.
E. coli, Pseudomonas aeruginosa	negative in 10 g sample	USP/Ph. Eur.
St. Aureus, Salmonella species	negative in 10 g sample	USP/Ph. Eur.

#### Contact

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