



## SPECIFICATIONS

### MCC SANAQ<sup>®</sup> S

#### Silicified Microcrystalline Cellulose

Type	101	102	112	Test method
Description	White or almost white, very fine to moderately fine powder. It is a free-flowing material.			
Solubility	Slightly soluble in sodium hydroxide solution (1 in 20); practically insoluble in water, in acetone, in ethanol, in toluene, and in diluted acid.			
<b>Identification</b>				
Test-A (IR Absorption)	Should be comply			
Test-B	The substance takes on a violet-blue color should be produced			
Test-C	A deep Yellow color is produced			
Test-D (Silica dispersion uniformity test)	NMT 0.02			
<b>Impurities</b>				
Heavy Metals, $\mu$ /g	NMT 10			USP-NF
<b>Specific Tests</b>				
Residue on Ignition %	1.8 - 2.2			USP-NF
Particle Size				
+ 60 mesh	n.m.t. 1.0 %	n.m.t. 8 %	n.m.t. 8.0%	
+ 200 mesh	n.m.t. 30.0%	n.l.t. 45.0 %	n.l.t. 45%	
Bulk density g/ml	0.28 - 0.33	0.25 - 0.37	0.25 - 0.37	USP-NF
Loss on drying	n.m.t. 7.0 %	n.m.t. 7.0 %	n.m.t. 1.5 %	USP-NF
pH value	5.0 - 7.5			USP-NF
Conductivity	n.m.t. 75 $\mu$ S			USP-NF
Sulphate Ash /Residue on ignition	n.m.t. 0.1 %			USP-NF
Water soluble substances	n.m.t. 0.25 %			USP-NF
Ether soluble substances	n.m.t. 0.05 %			USP-NF
<b>Microbiological Parameters</b>				
Total aerobic count	n.m.t. 1000 CFU/g			USP-NF
Moulds and yeasts	n.m.t. 100 CFU/g			USP-NF
E. coli, Pseudomonas aeruginosa	absent			USP-NF
St. Aureus, Salmonella species	absent			USP-NF

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