



## Avicel® SMCC 90 Silicified Microcrystalline cellulose NF

### Product Specifications:

#### Chemical and Physical:

Loss on Drying	NMT 6.0 % *
Bulk Density	0.25 - 0.37 g/ml
Identification A, B, C, D	Passes
Degree of Polymerization	NMT 350 units
pH	5.0 - 7.0*
Conductivity	NMT 75 $\mu$ S/cm
Residue on ignition	1.8 - 2.2 %
Water soluble substances	NMT 0.24 %*
Ether soluble substances	NMT 0.05 %
Heavy Metals	NMT 0.001 %
Solubility	Passes

#### Microbiological:

Total Aerobic Microbial Count	NMT 100 cfu/g *
Total Yeast and Mold Count	NMT 20 cfu/g *
Pseudomonas aeruginosa	Absent in a 10g sample
Escherichia coli	Absent in a 10g sample
Staphylococcus aureus	Absent in a 10g sample
Salmonella species	Absent in a 10g sample

#### Additional DuPont Specifications

Particle size distribution	D10	D50	D90
	20-50	90-150	190-300
Particle size (Air Jet) :			
wt. %+ 60 mesh (250 microns)	NMT 8.0		
wt. %+ 200 mesh (75 microns)	45.0 – 80.0		

This product meets the requirements for Residual Solvents in the United States Pharmacopeia <467> and complies with the ICH Guide Q3C for Residual Solvents.

\*More restrictive than compendium

NLT = Not Less Than

NMT = Not More Than



### **Product Shelf-life / Re-evaluation Date**

Store at ambient conditions. Keep containers sealed; material is very hygroscopic. Re-evaluation date is four (4) years from date of manufacture, if storage conditions stated above are observed. DuPont recommends that after the above re-evaluation date, the customer perform the loss on drying test. Typical Degree Polymerization range for Avicel PH microcrystalline cellulose is 100 to 300.

Safety Data Sheet (SDS) available on request.

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