



## Avicel® SMCC HD 90 Silicified Microcrystalline cellulose NF

### Product Specifications:

#### Chemical and Physical:

Loss on drying	NMT 6.0 % *
Bulk density	0.38 - 0.50 g/mL
Identification A, B, C, D	Passes
Degree of polymerization	NMT 350 units
pH	5.0 -7.0*
Conductivity	NMT 75 µS/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 FMC Specifications

Particle size distribution	D10 20-70	D50 90-160	D90 160-320
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#### 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 OVERVIEW: Avicel® SMCC HD 90

### 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 Sheets (SDS) available upon request.

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