Avicel® PH-200 microcrystalline cellulose NF, Ph. Eur., JP

Product Specifications:

Chemical and Physical:

Loss on drying	2.0 - 5.0 %*
Bulk density	0.29 - 0.36 g/cc
Identification A, B	Passes
Degree of polymerization	NMT 350 units
pH	5.5 - 7.0*
Conductivity	NMT 75 µS/cm
Residue on ignition	NMT 0.05 %
Water soluble substances	NMT 12.5 mg/5g
Water soluble substances	NMT 0.25 %
Ether soluble substances	NMT 5.0 mg/10g
Heavy metals	NMT 0.001 %
Solubility in Copper Tetrammine Hydroxide	Soluble

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
Coliform species	Absent in a 10g sample

Additional Specifications

	D10	D50	D90
Particle size distribution	0-175	142-280	275-480
Particle size (Air Jet):			
wt. % + 60 mesh (250 microns)	NLT 10		
wt. % + 100 mesh (150 microns)	NLT 50		

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. 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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