

**Avicel® PH102** microcrystalline cellulose, NF, Ph. Eur., JP**Product Specifications:****Chemical and Physical:**

		<b><u>Test Methods</u></b>
Loss on Drying	3.0 - 5.0%*	3600
Loose Bulk Density	0.28 - 0.33 g/cc	3611
Identification, NF, Ph.Eur. A+2	Passes	3014
Degree of Polymerization	NMT 350	3647
pH	5.5 - 7.0*	3005
Conductivity	NMT 75 µS/cm	3005
Residue on Ignition	NMT 0.05%	3601
Water Soluble Substances	NMT 12.5 mg/5g or 0.25%	3002
Ether Soluble Substances	NMT 5.0 mg/10g	3646
Heavy Metals	NMT 0.001%	3602
Solubility in Copper Tetrammine Hydroxide	Soluble	3652

**Microbiological:**

Total Aerobic Microbial Count	NMT 100 cfu/g*	3605
Total Yeast and Mold Count	NMT 20 cfu/g*	3606
Pseudomonas aeruginosa	Absent in a 10 gram sample	3607
Escherichia coli	Absent in a 10 gram sample	3608
Staphylococcus aureus	Absent in a 10 gram sample	3609
Salmonella species	Absent in a 10 gram sample	3610
Coliform species	Absent in a 10 gram sample	3620

## Additional Specifications

	D10	D50	D90	
Particle Size Distribution	15-55	80-140	170-283	1045
Particle Size (Air Jet)				
wt. % + 60 mesh (250 microns)	NMT 8			3604
wt. % + 200 mesh (75 microns)	NLT 45			

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® PH-102

### **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. Typical Degree Polymerization range for Avicel PH microcrystalline cellulose is 100 to 300.

Safety Data Sheets (SDS) available on request.

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