



Avicel® RC-591

microcrystalline cellulose and carboxymethylcellulose sodium NF, Ph. Eur., JPE

Product Specifications:

Chemical and Physical:

Loss on drying, %	NMT 6.0*
Viscosity, cps, 1.2% solids, 120 sec	39 to 91
Assay for carboxymethylcellulose sodium, wt %	8.3 to 13.8
pH	6.0 to 8.0
Heavy metals, %	NMT 0.001
Residue on ignition, %	NMT 3.5
Identification	Passes
Clarity of solution	Soluble

Microbiological:

Total aerobic microbial count /g	NMT 100
Total yeast and mold count /g	NMT 20
Pseudomonas aeruginosa	None present in a 10g sample
Escherichia coli	None present in a 10g sample
Staphylococcus aureus	None present in a 10g sample
Salmonella species	None present in a 10g sample

Additional DuPont Specifications

Sieve fraction, wt. % (Air Jet):	
+ 60 mesh (250 microns)	NMT 0.1
+ 325 mesh (44 microns)	NMT 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

NMT = Not More Than

NLT = Not Less Than



Product Shelf-life / Re-evaluation Date

Store at ambient conditions. Keep containers sealed; material is very hygroscopic. Three (3) 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 and viscosity tests.

Safety Data Sheets (SDS) available on request.

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