



Avicel® CL-611 microcrystalline cellulose and carboxymethylcellulose sodium, NF, Ph. Eur.

Product Specifications:

Chemical and Physical:

Test Methods

Loss on drying	NMT 6.0%*	G5-6
Viscosity, 2.6% solids, 120 sec	50 - 118 cps	A11a-4
Assay for sodium carboxymethylcellulose, (based on NF Equivalency)	11.3 - 18.8%	A11-1
pH	6.0 - 8.0	A11-5
Heavy metals	NMT 0.001%	G5-7
Residue on ignition	NMT 5.0%	G5-11
Identification	Passes	A11-2a
Clarity of solution	Soluble	A14-20

Microbiological:

Total aerobic microbial count	NMT 100 cfu/g	M20-19
Total yeast and mold count	NMT 20 cfu/g	M20-20
Pseudomonas aeruginosa	None present in a 10g sample	M20-21
Escherichia coli	None present in a 10g sample	M20-22
Staphylococcus aureus	None present in a 10g sample	M20-23
Salmonella species	None present in a 10g sample	M20-24

Additional FMC Specifications

Sieve Fraction, wt. %, (Air Jet)		G5-9a
+ 60 mesh (250 microns)	NMT 0.1	
+ 325 mesh (45 microns)	NMT 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
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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