Maple Biotech Pvt. Ltd.

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SPECIFICATIONS OF
MYLCEL-10
LOW SUBSTITUTED CARBOXYMETHYLCELLULOSE SODIUM SALT

TEST	SPECIFICATIONS	TEST METHOD
Appearance	white to yellowish white, finely fibrous odourless powder	
Solubility	Practically insoluble in acetone, in anhydrous ethanol and in toluene. It swells in water to form a gel (Ph Eur)	
Identification	A: Shake 2 g of Low-Substituted Carboxymethylcellulose Sodium with 100 mL of sodium hydroxide solution (2M): a suspension is produced.	USPNF & Ph Eur
pH	6.0 to 8.5 (USPNF & Ph Eur)	USPNF & Ph Eur
Loss on Drying	Max 10%	USPNF & Ph Eur
Residue on Ignition (Sulphated Ash) @800^{o} C	6.8 to 8.9	USPNF & Ph Eur
Assay (% Sodium)	2.2 to 2.9	USPNF & Ph Eur
Degree of Substitution	0.17 to 0.23	
Viscosity of 1% solution in 10%NaOH	150 to 400 m.pas	Viscosity of 1% Mylcel solution in 10%NaOH
Sodium Chloride & Glycolate	NMT 0.5%	USPNF & Ph Eur
Water Soluble substance	NMT 18%	USPNF & Ph Eur
Heavy Metals	Max 20 ppm (USPNF & Ph Eur)	USPNF & Ph Eur
Arsenic	Less than 1 ppm (Nymcel) Not included in USPNF & Ph Eur	USPNF & Ph Eur
Settling Volume	15 to 35 ml	USPNF & Ph Eur
Total Aerobic Microbial Count Total Molds and Yeast Count	max. 1000 cfu/gm Max. 100 cfu/ gm	
E. Coli *Salmonella* *S. Aureus* *Pseudomonas*	absent absent absent absent	

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Specifications of MYLCEL-16 LOW SUBSTITUTED CARBOXYMETHYLCELLULOSE SODIUM SALT		
TEST	**SPECIFICATIONS**	**TEST METHOD**
Appearance	white to yellowish white, finely fibrous odourless powder	
Solubility	Practically insoluble in acetone, in anhydrous ethanol and in toluene. It swells in water to form a gel (Ph Eur)	
Identification	A: Shake 1 g of Low-Substituted Carboxymethylcellulose Sodium with 100 mL of sodium hydroxide solution (2M): a suspension is produced.	USPNF & Ph Eur
pH	6.0 to 8.5 (USPNF & Ph Eur)	USPNF & Ph Eur
Loss on Drying	Max 10%	USPNF & Ph Eur
Residue on Ignition (Sulphated Ash) @800o C	10.8 to 13.3	USPNF & Ph Eur
Assay (% Sodium)	3.5 to 4.3	USPNF & Ph Eur
Degree of Substitution	0.28 to 0.36	
Viscosity of 1% solution in 10%NaOH	150 to 400 m.pas	Viscosity of 1% Mylcel solution in 10%NaOH
Sodium Chloride & Glycolate	NMT 0.5%	USPNF & Ph Eur
Water Soluble substance	NMT 70%	USPNF & Ph Eur
Heavy Metals	Max 20 ppm (USPNF & Ph Eur)	USPNF & Ph Eur
Arsenic	Less than 1 ppm (Nymcel) Not included in USPNF & Ph Eur	USPNF & Ph Eur
Settling Volume	15 to 35 ml	USPNF & Ph Eur
Total Aerobic Microbial Count Total Molds and Yeast Count	max. 1000 cfu/gm Max. 100 cfu/ gm	
E. Coli Salmonella S. Aureus Pseudomonas	absent absent absent absent	