



Maple Biotech Pvt. Ltd.

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CERTIFICATE OF ANALYSIS MICROCRYSTALLINE CELLULOSE Ambicel GRADE MBC 591

Batch No	226	
Manufacturing Date	February 2010	
Expiry Date	Review the properties by January 2015	
Material supplied to		
Delivery Challan No. / Date		
TEST	OBSERVATIONS	SPECIFICATIONS
Description	Complies	A white to off white Powder
Identification	Passes USPNF specifications	USPNF Monograph Identification Tests A,B,C
Viscosity 1.2% Solids at 25°C Brookfield/LVF	70 CPS	65± 26 CPS
pH	6.5	6.0 – 8.0
Residue on Ignition %	2.9%	NMT 5.0
Assay as Sodium Carboxymethyl Cellulose %	10.8	12.0± 3
Loss on Drying%	4.0 %	NMT 8.0
Particle Size Retention on 60 mesh Retention on 325 mesh	0% 42%	NMT 0.1% NMT 45%
Heavy Metals	Less than 10 ppm	Max. 10 ppm
Total Aerobic Microbial Count	Meets The Requirement	max. 1000 cfu/gm (Ph. Eur /USP)
Total Molds and Yeast Count	Meets The Requirement	Max. 100 cfu/gm (Ph. Eur / USP)
E. Coli Salmonella S. Aureus Pseudomonas	absent absent absent absent	absent (Pharma Eur/ USP) absent (Pharma Eur/ USP) absent (Pharma Eur/ USP) absent (Pharma Eur/ USP)
MATERIAL COMPLIES WITH ALL THE TEST GIVEN ABOVE OF IP / USP/ BP/Ph Eur. And JP		

For Maple Biotech Pvt. Ltd.

Managing Director

Chemist