



## Maple Biotech Pvt. Ltd.

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### CERTIFICATE OF ANALYSIS MICROCRYSTALLINE CELLULOSE

#### GRADE MBC 581

Batch No	25	
Manufacturing Date	May 2010	
Expiry Date	Review the properties by April 2015	
Material supplied to		
Delivery Challan No. / Date		
<b>TEST</b>	<b>OBSERVATIONS</b>	<b>SPECIFICATIONS</b>
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	90 CPS	120 ± 50 CPS
pH	6.5	6.0 – 8.0
Residue on Ignition %	2.2%	NMT 5.0
Assay as Sodium Carboxymethyl Cellulose %	10.8	11.0± 3
Loss on Drying%	4.0 %	NMT 8.0
Particle Size Retention on 60 mesh Retention on 200 mesh	Nil 33 %	NMT 0.1% NMT 40%
Heavy Metals	Meets The Requirement	Max. 10 ppm
Total Aerobic Microbial Count Total Molds and Yeast Count	Meets The Requirement Meets The Requirement	max. 1000 cfu/gm ( Ph. Eur /USP) 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