



maple biotech pvt. ltd.

Works: J-253, M.I.D.C. Bhosari, Pune 411 026, India
Phone: + 91 20 24272428/29, Fax: + 91 20 27450510,
e-mail: maple1@vsnl.com

CERTIFICATE OF ANALYSIS

MICROCRYSTALLINE CELLULOSE

GRADE MBC 611

Batch No	23	
Manufacturing Date	May 2011	
Expiry Date	Review the properties by April 2016	
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 2.6% Solids 25°C Brookfield	86 CPS	84 ± 35 CPS
pH	6.5	6.0 – 8.0
Residue on Ignition %	2.5%	NMT 5.0
Assay as Sodium Carboxymethyl Cellulose %	12.0	15.0± 3.8
Moisture%	4.1 %	NMT 6.0
Particle Size Retention on 60 mesh Retention on 325 mesh	Nil 42%	NMT 0.1% NMT 60%
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