



HIRANYA CELLULOSE PRODUCTS



CERTIFICATE OF ANALYSIS

Product Name	MICROCRYSTALLINE CELLULOSE POWDER (Avicel-102)		
Batch Number		Page Number	
Grade	USP-38/BP-2015	Mfg. Date	
Quantity	1x50gm(1000kg Preshipment Sample)	Expiry Date	

S.No.	TEST	SPECIFICATION	RESULTS
1	Chemical Description	Fine white or almost white powder. It consists of free flowing non-fibrous particles.	Complies
2	Solubility	insoluble in water, in dilute Acids and in most organic solvents, practically, insoluble in 50g/l solution of sodium hydroxide.	Complies
3	Identification	(A) The substance becomes violet - blue. (B) The Degree Of Polymerisation Is Not More than 350	Complies <350
4	PH	5.0-7.5	6.83
5	Starch	Negative	Negative
6	Loss on Drying	Max 7.0%	4.06
7	Residue on Ignition	NMT 0.1 %	0.05
8	Water Soluble Substances (%)	NMT 0.25	0.18
9	Bulk Density(g/cc) Un Tapped	0.26-0.36	0.31
10	Bulk Density(g/cc) Tapped	0.47	0.47
11	Ether Soluble Substances (%)	Maximum 0.05%	0.02
12	Heavy Metals (ppm)	Maximum 10 ppm	<10
13	Sieve Analysis Retention on: +60 +200	NMT 8.0% NLT 45.0%	5.2 53.0

	Prepared By	Checked By	Approved By
Name	S. Nagaphanitha	P. Ramasishbarac	P. Naga Babu
Signature	<i>S. Nagaphanitha</i>	<i>P. Ramasishbarac</i>	<i>P. Naga Babu</i>
Date	22/01/2018	22/01/2018	22/01/2018

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