

## **RAWPHARMA BIZ PRIVATE LIMITED**

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Product Name		CERTIFICATE OF ANALYSIS Page 1 of 1 Hindcel® 101 - MICROCRYSTALLINE CELLULOSE BP 2022 ,USP-NF 40				
Sample No		MCC/24040074	MCC/24040074			
			TR/0074-A/2024			
Sample Size. 100.00 gm						
Mfg. Date April-24						
Re Test Date April-27		April-27	Date of Analysis: 30/04/2024			
				Date of Analysis :	30/04/2024	
SR.	TESTS		SPECIFICATION	RESULTS	TEST METHO	
NO.				1	1231 WIETHO	
	CHEMICAL TEST					
1.	Appearance		White or almost white, fine or granular, slightly hygroscopic powder.	Fine, white Odourless powder.	BP, USP-NF	
2.	Solubility			ododniess powder.		
	(1) Solubility in water, acetone, in anhydrous ethanol, in toluene, in dilute acids and in a 50 g/L solution of sodium hydroxide.		Practically insoluble in water acetone, in anhydrous ethanol, in toluene, in dilute acids and in a 50 g/L solution of sodium hydroxide.	Complies	BP, USP-NF	
	(2) Dissolve 50 mg in ammoniacal solution tetrammine R.		It should be dissolves completely, leaving no residue.	Complies		
3.	Identification Tests:					
	Test (A) By IR		The sample spectrum should be concordant with that of the Reference spectrum.	Complies	BP, USP-NF	
	Test (B) By chemical		The substance becomes should be violet-blue.	Complies		
	Test (C) The degree of polymerization		The degree of polymerization should not be	Complies		
4.	pH of Solution		more than 350.			
٦.	[5.0 g with 40 mL CO2 free water]		5.0 to 7.5	6.11	BP, USP-NF	
5.	Conductivity		The conductivity of the test solution should be does not exceed the conductivity of the water by more than 75µS.cm-1	64 μS.cm <sup>-1</sup>	BP, USP-NF	
6.	Ether-soluble substances		Maximum 0.05%	0.03 %	DD LICD NE	
7.	Water-soluble substance		Maximum 0.25%	0.16 %	BP, USP-NF BP, USP-NF	
8.	Heavy Metals		Maximum 10 ppm	Complies	BP, USP-NF	
9.	Loss on drying (at 105	°C for 3 h)	Maximum 7.0%	4.80 %	BP, USP-NF	
10.	Sulphated ash (Calculated on dried b		Maximum 0.1%	0.07 %	BP, USP-NF	
B. P	HYSICAL TEST	2				
1.	Bulk Density (Untappe	ed)	0.25 to 0.40 g/cm <sup>3</sup>	0.27 alam3	DD LICE AVE	
2.	Sieve analysis (% Retention by Sieve shaker)		60 Mesh- Not more than 1.0 %	0.37 g/cm <sup>3</sup>	BP, USP-NF	
			200 Mesh- Not more than 30.0 %	0.00 % 18.40 %		
C. N	IICROBIAL TEST		2 3.37 3010 70	10,40 %		
1.	Total Aerobic microbia	I Count	Not more than 1000 CFU/g		1. 21.	
2.	Total yeasts and molds			Complies	BP, USP-NF	
3.	Escherichia coli & Salm		Not more than 100 CFU/g	Complies		
			Should be Absent	Absent		
4.	Pseudomonas aerugin	OC2	Should be Absent	Absent		

Remark: The Product passes as per BP 2022 ,USP-NF 40,IH (Type 101) Specifications.