

## Certificate of Analysis

Analysis Report No.: RM/25/009

Document Control No.: QC/SOP/MC/01

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### Product Details

Material Name: Microcrystalline Cellulose (PH 101)  
Material Code: RM-MC-002  
Supplier Name: DC Fine Chemicals  
Supplier Batch/Lot No.: MC20250112  
GRN Number: GRN-MC-0891 (from PO No.)  
Date of Receipt: 09-Feb-2025  
Sampling Date: 10-Feb-2025  
Sampled By: Ms. R. Banerjee (QA Executive)  
Containers Sampled: CN-MCC-045  
Retain Sample Reference: RS-MC-2025-01

### Test Specifications and Results

TEST PARAMETER	SPECIFICATION	RESULT	METHOD
Appearance	White, odorless powder	White, odorless powder	Visual Inspection
Identification (IR)	Conforms to reference spectrum	Conforms	USP <197>
pH (1% Suspension)	5.0 - 7.5	6.4	USP <791>
Assay (Dry Basis)	Not Less Than 97.0%	98.9%	In-house Gravimetric
Water Content	Not More Than 7.0%	3.8%	USP <921>
Residue on Ignition	Not More Than 0.1%	0.04%	USP <281>
Bulk Density	0.25 - 0.40 g/mL	0.33 g/mL	In-house SOP
Microbial Limits	Total Aerobic Count <= 1000 CFU/g	Within Limits	USP <61>, <62>
	Total Yeast & Mold <= 100 CFU/g	Within Limits	USP <61>, <62>

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### Conclusion

All tested parameters conform to the established USP/NF specifications.

QC Status: COMPLIES

Disposition: The material is APPROVED and RELEASED for transfer to the Raw Material Store.

### Authorization

Action	Name & Title	Signature	Date
Analysis Performed By:	Ms. P. Sharma (QC Analyst)	P. Sharma	10-Feb-2025
Data Reviewed By:	Mr. K. Pillai (QC Supervisor)	K. Pillai	10-Feb-2025
Approved & Released By:	Dr. M. Santosh (QC Manager)	M. Santosh	10-Feb-2025

