

Certificate of Analysis

Analysis Report No.: RM/25/008

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Product Details

Material Name: Cornstarch
Material Code: RM-CS-005
Supplier Name: Sigma-Aldrich
Supplier Batch/Lot No.: CS20250304
GRN Number: GRN-CS-0567
Date of Receipt: 07-Feb-2025
Sampling Date: 08-Feb-2025
Sampled By: Ramesh Pawar (QA Assistant)
Containers Sampled: CN-CS-03
Retain Sample Reference: RS-CS20250304

Test Specifications and Results

TEST PARAMETER	SPECIFICATION	RESULT	METHOD
Appearance	White, odorless, free-flowing powder	Complies	Visual Inspection
Identification (FTIR)	Conforms to reference spectrum	Conforms	USP <197>
pH (1% suspension)	4.0 - 7.0	5.8	USP <791>
Loss on Drying	Not More Than 12.0%	10.8%	USP <731>
Residue on Ignition	Not More Than 0.5%	0.3%	USP <281>
Heavy Metals	Not More Than 10 ppm	< 10 ppm	USP <231>
Bulk Density (Tapped)	0.50 - 0.80 g/mL	0.62 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 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:	Amit Bhardwaj (QC Analyst)	A. Bhardwaj	08-Feb-2025
Data Reviewed By:	Swati Khanna (QC Reviewer)	S. Khanna	08-Feb-2025
Approved & Released By:	Mr. Rajesh Ahuja (QA Executive)	R. Ahuja	08-Feb-2025

