

# COA (Certificate of Analysis)

Product Name: Cornstarch

Product Brand: Sigma-Aldrich

Product Number: S4126

Batch Number: CS20250304

## Test Results

	≡ TEST	≡ SPECIFICATION	≡ RESULTS	≡ METHOD
1	Appearance	White, odorless, free-flowing powder	Complies	Visual Inspection
2	Solubility	Practically insoluble in cold water	Insoluble	USP <191>
3	Identification (FTIR)	Should match reference spectrum	Conforms	USP <197>
4	Loss on Drying	NMT 12.0%	10.8%	USP <731>
5	Residue on Ignition	NMT 0.5%	0.3%	USP <281>
6	Heavy Metals	NMT 10 ppm	<10 ppm	USP <231>
7	Microbial Limits	Total aerobic count ≤ 1000 CFU/g; Yeast & Mold ≤ 100 CFU/g	Within limits	USP <61>, <62>
8	pH (1% suspension)	4.0 – 7.0	5.8	USP <791>
9	Bulk Density (Tapped)	As per specification (e.g., 0.50 – 0.80 g/mL)	0.62 g/mL	In-house SOP

Approved By (QA Supervisor): Mr. Rajesh Ahuja

QC Status:  Approved