
Certificate of Analysis

Product Code : A12359

Batch No : MG20211224

Product Description: Magnesium Stearate

Mfg. Date : December 2021

Suggested Retest Date : December 2026

TEST	SPECIFICATION	RESULTS	METHOD
APPEARANCE	Fine, white, odorless powder	White, odorless powder	Visual Inspection
IDENTIFICATION (IR)	Conforms to IR spectrum of reference standard	Conforms	USP <197>
MELTING RANGE	130°C – 140°C	134.5°C – 137.2°C	USP <741>
SOLUBILITY	Practically insoluble in water and ethanol	Insoluble in water	USP <191>

ASSAY(Mg Content)	4.0% – 5.0% Magnesium (on dry basis)	4.4%	Complexometric Titration
WATER CONTENT	≤ 6.0%	3.1%	USP <921> (Karl Fischer)
RESIDUE ON IGNITION	14.5% – 16.8%	15.2%	USP <281>
HEAVY METALS	NOT MORE THAN 10 PPM	< 10 ppm	USP <231>
LOSS ON DRYING	≤ 6.0%	2.9%	USP <731>
MICROBIAL LIMITS	Total aerobic ≤ 1000 CFU/g, Yeast & Mold ≤ 100 CFU/g, No pathogens	Within limits	USP <61>, <62>
PARTICLE SIZE	≥ 90% passes through #60 mesh	96% passes	USP <786>
BULK DENSITY	As per specification (typically 0.15 – 0.30 g/mL)	0.21 g/mL	In-house SOP

Additional Information :

The product has been tested by the Quality Control Laboratory of Thermo Fisher
Scientific and confirms to the above specifications

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Q.A.Manager

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