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*Certificate of Analysis*

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**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>

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

A handwritten signature in blue ink that reads "Kunal Panwar". The signature is written in a cursive style and is underlined with a single horizontal line.

Kunal Panwar

Q.A.Manager

Any queries please phone : +91-02266804267

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