

Certificate of Analysis

Product: Magnesium Hydroxide, Lab Grade

Item Number: MAHYGL

CAS#: 1309-42-8

Grade: Lab

Lot Number: 5002337/5.1

Manufacture Date: 06/30/2026

Expiration Date: 05/29/2031

Country of Origin: India

Tested Property	Specification	Analysis
Appearance	A bulky white powder	Complies
Assay	98.0 - 102.5% on dried basis	98.65%
Identification	Gives reaction for Magnesium salts	Complies
Soluble Substances	NMT 2.0%	0.19%
Arsenic	NMT 3 ppm	<3 ppm
Calcium	NMT 1.0%	0.48%
Lead	NMT 1.5 ppm	<1.5 ppm
Carbonates	NMT slight effervescence observed	Complies
Loss on Drying (LOD)	NMT 2.0%	0.90%
Loss on Ignition (LOI)	30.0 - 33.0%	31.70%
Microbial test: E. coli	Absence of E. coli	Complies
Bulk Density	NLT 0.40 g/mL	0.481 g/mL
Iron	NMT 0.05%	<0.05%
Alkalis and Free Soluble Salts	To Pass the Test	Pass
Heavy Metals	NMT 0.004%	<0.004%
Tapped Density	NLT 0.80 g/mL	0.861 g/mL
Particle Size Distribution	NMT 5.0% Retention on 100 Mesh	2.93%

Store in a cool, dry, and well-ventilated environment.

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