

Certificate of Analysis

Product: Magnesium Hydroxide, Lab Grade

Item Number: MAHYGL

CAS#: 1309-42-8

Grade: Lab

Lot Number: 5002342/1.1

Manufacture Date: 06/10/2026

Retest Date : 06/09/2029

Country of Origin: United States

Tested Property	Specification	Analysis
Appearance	A bulky white powder	Complies
Assay, Magnesium Hydroxide	95.0 - 100.5% on dried basis	96.7
Identification	To Pass the Test	Complies
Soluble Salts	NMT 10 mg	4.8
Arsenic	NMT 3 ppm	0.5
Calcium	NMT 1.5%	0.32
Heavy metals, ppm	NMT 20	10
Lead	NMT 1.5 ppm	0.1
Carbonates	To Pass the Test	Pass
Loss on Drying (LOD)	NMT 2.0%	0.8
Loss on Ignition (LOI)	30.0 - 33.0%	30.7
Microbial test: E. coli	Negative	Negative
Bulk Density	0.5 to 0.7 g/mL	0.63
Odor	None	Pass
Identification, FTIR	To Pass the Test	Pass
Calcium Oxide	NMT 1%	0.45
Assay, Magnesium	NLT 38.0	40.2
Assay, Magnesium Hydroxide	NLT 93.1%, as is	96.4

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

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