

Certificate of Analysis

Product: Magnesium Carbonate, Lab Grade

Item Number: MACAGL

CAS#: 56378-72-4

Grade: Lab

Lot Number: 5002337/10.1

Manufacture Date: 06/30/2026

Expiration Date: 05/29/2031

Country of Origin: India

Tested Property	Specification	Analysis
Appearance	A light white or almost white bulky powder	Pass
Assay (Calculated as MgO)	40.0 - 43.5%	41.86%
Identification A: Reaction of Magnesium	To comply the test	Pass
Identification B: Reaction of Carbonates	To comply the test	Pass
Solubility	Practically insoluble in water and alcohol	Pass
	Dissolves in dilute acids with effervescences	Pass
Soluble Substances	NMT 1.0%	0.50%
Acid insoluble substances	NMT 0.05%	0.01%
Iron	NMT 200 ppm	<200 ppm
Arsenic	NMT 3 ppm	<3 ppm
Calcium	NMT 0.45% (USP)	0.20%
Calcium oxide	NMT 0.6% (FCC)	<0.6%
Heavy metals	NMT 0.003%	<0.003%
Lead	NMT 10 ppm	<10 ppm
Microbial Enumeration Test: E. coli	Should be absent	Pass
Bulk Density	NLT 0.30 gm/mL	0.352 gm/mL
Tapped Density	NLT 0.50 gm/mL	0.568 gm/mL
Particle Size Distribution	NMT 5.0% Retention on 60 Mesh	2.70%

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

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