

Certificate of Analysis

Product: Magnesium Oxide Heavy
Item Number: MOHGL
Grade: Lab
Lot Number: 5001471/12.1
Manufacture Date: 07/23/2025
Expiration Date: 06/23/2030
Country of Origin: India

Tested Property	Specification	Analysis
Appearance	Very bulky, white powder	Complies
Assay	96.0 - 100.5% on dried basis	99.12%
Identification	Gives test for Magnesium salts	Complies
Solubility	Soluble in dilute acids	Complies
Iron	Practically insoluble in water; insoluble in alcohol	Complies
Acid insoluble substances	NMT 0.1% (2 mg)	0.05%
Calcium	NMT 1.1%	0.63%
Iron	NMT 0.05%	<0.05%
Arsenic	NMT 3 ppm	<3
Heavy metals	NMT 0.04%	<0.04%
Lead	NMT 10 ppm	<10
Loss on ignition (LOI)	NMT 10.0%	3.64%
Bulk Density	>0.25 g/ml	0.56
Free alkali and soluble salts	NMT 2.0% (10 mg)	0.17%
Bulk Density	Minimum 0.25 gm/mL	0.46

Store in a cool, dry, and well-ventilated environment.
 CAS RN: 1309-48-4

[Magnesium Oxide Heavy](#)

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