LAB ALLEY
ESSENTIAL CHEMICALS

Certificate of Analysis

Product: Magnesium Oxide Heavy, Lab Grade
Item Number: MOHGL
CAS#: 1309-48-4
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
	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.

Magnesium Oxide Heavy, Lab Grade

Phone: 512-668-9918, Fax: 512-886-4008,
E-mail: customercare@laballey.com,
www.laballey.com,
12501 Pauls Valley Road, Suite A, Austin, Texas 78737,
© copyright: 2026 Lab Alley

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

Phone: 512-668-9918, Fax: 512-886-4008,
E-mail: customercare@laballey.com,
www.laballey.com,
12501 Pauls Valley Road, Suite A, Austin, Texas 78737,
© copyright: 2026 Lab Alley