

Certificate of Analysis

Product: Magnesium Oxide Light, USP/FCC Grade, Kosher, Halal

Item Number: MOLGU

CAS#: 1309-48-4

Grade: USP/FCC

Lot Number: 5001471/11.1

Manufacture Date: 07/24/2025

Expiration Date: 06/24/2030

Country of Origin: United States

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
Free alkali and soluble salts	NMT 2.0% (10 mg)	0.17%
Acid insoluble substances	NMT 0.1% (2 mg)	0.05%
Iron	NMT 0.05%	<0.05%
Arsenic	NMT 3 ppm	<3 ppm
Heavy metals	NMT 0.04%	<0.04%
Lead	NMT 10 ppm	<10 ppm
Calcium	NMT 1.1%	0.63%
Bulk Density	Maximum 0.25 gm/mL	0.13 gm/mL
Loss on Ignition (LOI)	NMT 10.0%	3.64%

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

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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

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