

Certificate of Analysis

Product: Magnesium Oxide Light
Item Number: MOLGL
Grade: Lab
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
Heavy metals	NMT 0.04%	<0.04%
Lead	NMT 10 ppm	<10
Calcium	NMT 1.1%	0.63%
Bulk Density	Maximum 0.25 gm/mL	0.13
Loss on Ignition (LOI)	NMT 10.0%	3.64%

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

[Magnesium Oxide Light](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory



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