

### Certificate of Analysis

**Product: Magnesium Hydroxide**  
**Item Number: MAHYGU**  
**Grade: USP/FCC**  
**Lot Number: 5001471/14.1**  
**Manufacture Date: 07/24/2025**  
**Expiration Date: 06/24/2030**  
**Country of Origin: United States**

Tested Property	Specification	Analysis
Appearance	A bulky white powder	Complies
Assay	98.0 - 102.5% on dried basis	98.74%
Identification	Gives reaction for Magnesium salts	Complies
Solubility	NMT 2.0%	0.14%
Iron	NMT 0.05%	<0.05%
Alkalis and free soluble salts	Pass the test	Complies
Arsenic	NMT 3 ppm	<3
Calcium	NMT 1.0%	0.47%
Heavy metals	NMT 0.004%	<0.004%
Lead	NMT 1.5 ppm	<1.5
Carbonates	NMT a slight effervescence is observed	Complies
Loss on Drying (LOD)	NMT 2.0%	0.87%
Loss on Ignition (LOI)	30.0 - 33.0%	31.74%
Specific Microbial test: E. coli	Absence of E. coli	Complies
Bulk Density	0.35 to 0.5 gm/mL	0.41

Store in a cool, dry, and well-ventilated environment.  
 CAS RN: 1309-42-8

#### [Magnesium Hydroxide](#)

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