



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Information

Item	Details
Product Name	Magnesium Hydroxide
Product Number	MH-20260217
Batch Number	MH-SH2026021701
Brand	SIGALD
CAS Number	1309-42-8
MDL Number	MFCD00010939
Formula	Mg(OH) ₂
Formula Weight	58.32 g/mol
Quality Release Date	17 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Crystalline powder	Crystalline powder	-	Visual Inspection
Purity (Mg(OH) ₂)	≥ 98.0%	98.8%	%	Acid-Base Titration
Moisture Content	≤ 0.5%	0.2%	%	Karl Fischer Titration
pH Value (10% aq. suspension, 25°C)	10.5–12.0	11.2	-	Digital pH Meter
Chloride (Cl ⁻)	≤ 0.05%	0.02%	%	Silver Nitrate Titration
Sulfate (SO ₄ ²⁻)	≤ 0.05%	0.01%	%	Turbidimetric Method
Heavy Metals (Pb)	≤ 5 ppm	0.8 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Iron (Fe)	≤ 0.01%	0.003%	%	Spectrophotometry
Calcium (Ca)	≤ 0.5%	0.1%	%	Atomic Absorption Spectrometry (AAS)
Insoluble Matter in Water	≤ 0.1%	0.03%	%	Gravimetric Method

Certification

This batch of product has been tested in accordance with industrial standards for magnesium hydroxide and meets all specified requirements. It is qualified for use.

Issue Date: 17 FEB 2026