

## Certificate of Analysis

Date of Testing: 2023-05-10 15:47:34  
Date of Next Testing: 2027-05-09 15:47:34  
Product Name: **Magnesium hydroxide**  
CAS Number: 1309-42-8  
Specifications & Purity: Analytical Reagent,95%  
Lot #: D23211659  
SKU #: **M104278**  
Analysis: **205280**

Parameter	Limit Values	Result
(NO <sub>3</sub> )Nitrate	0-0.005 (%)	0.00 %
Calcium(Ca)	0-0.05 (%)	0.02 %
Solubility in HCl	0-0.5	0.32
Iron(Fe)	0-0.002 (%)	0.00 %
loss on Ignition	30-33 (%)	31.82 %
Insoluble matter in HCl	0-0.03	0.02
Chloride (Cl <sup>-</sup> )	0-0.02 (%)	0.01 %
Assay	95-100 (%)	99.86 %
Appearance (M104278)	White to Off-White Powder	White to Off-White Powder
Carbonate	Passes test	Passes test
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager