

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2024-05-08 15:06:26  
Date of Next Testing: 2028-05-07 15:06:26  
Product Name: **Magnesium hydroxide**  
CAS Number: 1309-42-8  
Specifications & Purity: Analytical Reagent, 95%  
Lot #: D2429312  
SKU #: **M104278**  
Version: **0**  
Analysis #: **345668**

| Parameter                   | Limit Values              | Result                    |
|-----------------------------|---------------------------|---------------------------|
| (NO <sub>3</sub> )Nitrate   | 0-0.005 (%)               | 0.00260 %                 |
| Calcium(Ca)                 | 0-0.05 (%)                | 0.01058 %                 |
| Solubility in HCl           | 0-0.5                     | 0.15300                   |
| Iron(Fe)                    | 0-0.002 (%)               | 0.00106 %                 |
| loss on Ignition            | 30-33 (%)                 | 32.28000 %                |
| Insoluble matter in HCl     | 0-0.03                    | 0.01080                   |
| Chloride (Cl <sup>-</sup> ) | 0-0.02 (%)                | 0.00200 %                 |
| Assay                       | 95-100 (%)                | 99.98800 %                |
| 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