

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-27 08:36:10  
 Date of Next Testing: 2029-12-26 08:36:10  
 Product Name: **Magnesium hydroxide**  
 CAS Number: 1309-42-8  
 Specifications & Purity: AR, ≥95%  
 Lot #: L2518377  
 SKU #: **M104278**  
 Version: **1**  
 Analysis #: **631727**  
 Storage Temperature: Room temperature

| Parameter                   | Limit Values              | Result                    |
|-----------------------------|---------------------------|---------------------------|
| (NO <sub>3</sub> )Nitrate   | 0-0.005 (%)               | 0.00000 %                 |
| Calcium(Ca)                 | 0-0.05 (%)                | 0.00000 %                 |
| Iron(Fe)                    | 0-0.002 (%)               | 0.00000 %                 |
| loss on Ignition            | 30-33 (%)                 | 30.10000 %                |
| Insoluble matter in HCl     | 0-0.03                    | 0.00000                   |
| Assay                       | 95-100 (%)                | 95.38000 %                |
| Chloride (Cl <sup>-</sup> ) | 0-0.02 (%)                | 0.00640 %                 |
| Appearance (M104278)        | White to Off-White Powder | White to Off-White Powder |
| X-Ray Diffraction           | Conforms to Structure     | Conforms to Structure     |



John Su  
QA & QC Manager