

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-08-29 17:41:20  
Date of Next Testing: 2030-08-28 17:41:20  
Product Name: **Magnesium fluoride**  
CAS Number: 7783-40-6  
Grades & Purity: AR, ≥97.5%  
Lot #: H2628362  
SKU #: **M108385**  
Version: **1**  
Analysis #: **476763**  
Storage Temperature: Room temperature

| Parameter                         | Limit Values                            | Result                                  |
|-----------------------------------|-----------------------------------------|-----------------------------------------|
| loss on Ignition                  | 0-11 (%)                                | 10.38000 %                              |
| Sulfate(SO42-)                    | 0-0.05 (%)                              | 0.00040 %                               |
| Chloride (Cl-)                    | 0-0.005 (%)                             | 0.00042 %                               |
| Nitrogen by Elemental Analysis    | 0-0.005 (%)                             | 0.00300 %                               |
| Assay                             | 97.5-100 (%)                            | 99.11250 %                              |
| Iron(Fe)                          | 0-0.01 (%)                              | 0.00053 %                               |
| Silicon(Si)                       | 0-0.01 (%)                              | 0.01000 %                               |
| Heavy metal (as Pb)               | 0-0.03 (%)                              | 0.00320 %                               |
| ICP: Confirms Magnesium Component | Confirmed                               | Confirmed                               |
| X-Ray Diffraction                 | Conforms to Structure                   | Conforms to Structure                   |
| Appearance (M108385)              | White to almost white powder to crystal | White to Almost white powder to crystal |



John Su  
QA & QC Manager