

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

### Certificate of Analysis

Date of Testing: 2025-09-19 11:38:32  
Date of Next Testing: 2029-09-18 11:38:32  
Product Name: **Magnesium fluoride**  
CAS Number: 7783-40-6  
Specifications & Purity: AR, ≥97.5%  
Lot #: L2108204  
SKU #: **M108385**  
Version: **1**  
Analysis #: **573943**

Parameter	Limit Values	Result
Assay	97.5-100 (%)	99.87%
Iron(Fe)	0-0.01 (%)	0.00%
loss on Ignition	0-11 (%)	2.38%
Silicon(Si)	0-0.01 (%)	0.00%
Sulfate(SO42-)	0-0.05 (%)	0.00%
Chloride (Cl-)	0-0.005 (%)	0.01%
Heavy metal (as Pb)	0-0.03 (%)	0.00%
Nitrogen by Elemental Analysis	0-0.005 (%)	0.00%
Appearance (M108385)	White to almost white powder to crystal	White to Almost white powder to crystal
ICP: Confirms Magnesium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager