

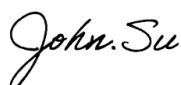
ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2021-12-13 11:30:32  
Date of Next Testing: 2025-12-12 11:30:32  
Product Name: **Magnesium sulfate**  
CAS Number: 10034-99-8  
Specifications & Purity: reagent grade,99.0%  
Lot #: L2110103  
SKU #: **M110770**  
Analysis: **057621**

Parameter	Limit Values	Result
Chloride (Cl-)	0-0.0005 (%)	0.00 %
Zinc(Zn)	0-0.001 (%)	0.00 %
Loss on drying	48-52 (%)	48.60 %
Calcium(Ca)	0-0.02 (µg/mg)	0.01 µg/mg
Heavy metals	0-0.0005 (%)	0.00 %
Insoluble matter in H <sub>2</sub> O	0-0.005 (%)	0.00 %
(As)Arsenic	0-0.0001 (%)	0.00 %
Iron(Fe)	0-0.0005 (%)	0.00 %
Sodium(Na)	0-0.005 (%)	0.00 %
Assay	99-100 (%)	99.99 %
Appearance (M110770)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager