

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-13 10:24:00  
Date of Next Testing: 2030-03-12 10:24:00  
Product Name: **Magnesium chloride hexahydrate**  
CAS Number: 7791-18-6  
Specifications & Purity: AR  
Lot #: C2609616  
SKU #: **M116331**  
Version: **3**  
Analysis #: **440838**  
Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-0.0005 (%)	0.00000 %
Barium and strontium(as Ba)	0-0.005 (%)	0.00000 %
Phosphate(PO <sub>4</sub> )	0-0.001 (%)	0.00000 %
Insoluble matter in H <sub>2</sub> O	0-0.005 (%)	0.00000 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.005 (%)	0.00070 %
Iron(Fe)	0-0.0005 (%)	0.00000 %
Assay(Complexometric EDTA)	98-102.5 (%)	102.10000 %
Total Nitrogen	0-0.005 (%)	0.00340 %
Calcium(Ca)	0-0.05 (%)	0.04900 %
Solubility in EtOH, clear, 50mg/ml	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager