

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-22 11:51:07  
Date of Next Testing: 2029-12-21 11:51:07  
Product Name: **Magnesium acetate tetrahydrate**  
CAS Number: 16674-78-5  
Specifications & Purity:  $\geq 99.98\%$  metals basis  
Lot #: L2517280  
SKU #: **M108882**  
Version: **0**  
Analysis #: **615083**

Parameter	Limit Values	Result
Total Metallic Impuritie	0-200 (ppm)	72.00 ppm
Purity(Based on Trace Metals Impurities of ICP)	99.98-100 (%)	99.99 %
Magnesium(Mg)	11.1-11.6 (%)	11.29 %
Appearance (M108882)	White Powder or Crystals	White Powder or Crystals
ICP: Confirms Magnesium Component	Confirmed	Confirmed
Solubility in AcOH/H <sub>2</sub> O (1/99)	Colorless, Clear, 100 mg/ml	Colorless, Clear, 100 mg/ml
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager