

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-23 15:11:19
 Date of Next Testing: 2027-08-22 15:11:19
 Product Name: **Manganese acetate tetrahydrate**
 CAS Number: 6156-78-1
 Specifications & Purity: $\geq 99\%$
 Lot #: H2308222
 SKU #: **M110793**
 Version: **2**
 Analysis #: **056048**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	25-32 (%)	29.60420 %
Iron(Fe)	0-0.001 (%)	0.00097 %
Insoluble matter in H ₂ O	0-0.005 (%)	0.00270 %
Sulfate(SO ₄ ²⁻)	0-0.005 (%)	0.00390 %
Heavy metal (as Pb)	0-0.2 (%)	0.10100 %
Zinc(Zn)	0-0.02 (%)	0.01300 %
precipitated by ammonium sulfide(With sulfate plan)	0-0.002 (%)	0.00088 %
Assay	99-100 (%)	99.99120 %
Appearance (M110793)	Pink Crystals or Powder and/or Chunks	Pink Crystals or Powder and/or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager