

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-27 19:13:19

Date of Next Testing: 2027-03-26 19:13:19

Product Name: **Manganese acetate tetrahydrate**

CAS Number: 6156-78-1

Specifications & Purity: $\geq 99\%$

Lot #: C2324136

SKU #: **M110793**

Version: **2**

Analysis #: **195831**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	25-32 (%)	29.48380 %
Iron(Fe)	0-0.001 (%)	0.00000 %
Insoluble matter in H ₂ O	0-0.005 (%)	0.00100 %
Sulfate(SO ₄ ²⁻)	0-0.005 (%)	0.00200 %
Heavy metal (as Pb)	0-0.2 (%)	0.11000 %
Zinc(Zn)	0-0.02 (%)	0.01000 %
precipitated by ammonium sulfide(With sulfate plan)	0-0.002 (%)	0.00100 %
Assay	99-100 (%)	99.97560 %
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