

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-18 09:50:28

Date of Next Testing: 2028-01-17 09:50:28

Product Name: **Manganese acetate tetrahydrate**

CAS Number: 6156-78-1

Specifications & Purity: $\geq 99\%$

Lot #: A2404726

SKU #: **M110793**

Version: **2**

Analysis #: **305743**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	25-32 (%)	30.16840 %
Iron(Fe)	0-0.001 (%)	0.00023 %
Insoluble matter in H ₂ O	0-0.005 (%)	0.00180 %
Sulfate(SO ₄ ²⁻)	0-0.005 (%)	0.00215 %
Heavy metal (as Pb)	0-0.2 (%)	0.10800 %
Zinc(Zn)	0-0.02 (%)	0.01830 %
precipitated by ammonium sulfide(With sulfate plan)	0-0.002 (%)	0.00020 %
Assay	99-100 (%)	99.99610 %
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