

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-08 17:34:34

Date of Next Testing: 2028-12-07 17:34:34

Product Name: **Manganese(II) chloride tetrahydrate**

CAS Number: 13446-34-9

Specifications & Purity: Suitable for Analysis, ACS, Premium pure

Lot #: L2505379

SKU #: **M431934**

Version: **1**

Analysis #: **607138**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(Complexometric EDTA)	99-101 (%)	100.25000 %
Insoluble matter	0-0.005 (%)	0.00000 %
PH(5% in water,25°C)	3.5-6	5.20000
Sulfate(SO4)	0-0.002 (%)	0.00000 %
Calcium(Ca)	0-0.001 (%)	0.00000 %
Copper(Cu)	0-0.0005 (%)	0.00000 %
Iron(Fe)	0-0.0005 (%)	0.00000 %
Magnesium(Mg)	0-0.005 (%)	0.00000 %
Zinc(Zn)	0-0.001 (%)	0.00000 %
Heavy metal (as Pb)	0-0.0005 (%)	0.00040 %
Potassium(K)	0-0.001 (%)	0.00050 %
Sodium(Na)	0-0.005 (%)	0.00040 %
Substances not precipitated by ammonium sulfide (SO42-)	0-0.2 (%)	0.14000 %
Substances reducing potassium permanganate (as O)	≤0.0005 (%)	0.00040 %
Lead(Pb)	0-0.0005 (%)	0.00040 %
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



QualityAssurance@aladdinsci.com

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager