

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-18 13:49:42
 Date of Next Testing: 2029-11-17 13:49:42
 Product Name: **Manganese sulfate monohydrate**
 CAS Number: 10034-96-5
 Specifications & Purity: ACS, ≥98%
 Lot #: K2511662
 SKU #: **M111712**
 Version: **0**
 Analysis #: **610570**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
loss on ignition(700°C)	10-12 (%)	11.29000 %
Calcium(Ca)	0-0.005 (%)	0.00000 %
Heavy metal (as Pb)	0-0.002 (%)	0.00000 %
Sodium(Na)	0-0.05 (%)	0.00250 %
Potassium(K)	0-0.01 (%)	0.00000 %
Magnesium(Mg)	0-0.005 (%)	0.00000 %
Nickel(Ni)	0-0.02 (%)	0.00000 %
Assay(Complexometric EDTA)	98-101 (%)	99.99620 %
Zinc(Zn)	0-0.005 (%)	0.00000 %
Chloride Content	0-0.005 (%)	0.00000 %
Iron(Fe)	0-0.002 (%)	0.00000 %
Insoluble matter in H ₂ O	0-0.01 (%)	0.00000 %
Appearance (M111712)	white to light pink crystal or crystal powder	white to light pink crystal or crystal powder
Substances reducing MnO ₄	Pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



QualityAssurance@aladdinsci.com

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

John Su
QA & QC Manager