

Certificate of Analysis

Date of Testing: 2025-09-02 15:11:14

Date of Next Testing: 2028-09-01 15:11:14

Product Name: **Manganese(II) sulfate monohydrate**

CAS Number: 10034-96-5

Specifications & Purity: Ph.Eur., Suitable for Analysis, ACS, Premium pure, spray-dried

Lot #: H2526090

SKU #: **M431158**

Version: **1**

Analysis #: **569645**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Insoluble matter	0-0.01 (%)	0.00 %
Chloride (Cl-)	0-0.001 (%)	0.00100 %
Heavy metals(ACS)	0-0.002 (%)	0.00000 %
Copper(Cu)	0-0.0005 (%)	0.00 %
Iron(Fe)	0-0.001 (%)	0.00060 %
Potassium(K)	0-0.005 (%)	0.00 %
Sodium(Na)	0-0.005 (%)	0.00 %
Nickel(Ni)	0-0.0005 (%)	0.00 %
Lead(Pb)	0-0.001 (%)	0.00 %
Zinc(Zn)	0-0.005 (%)	0.00 %
loss on ignition(500°C)	10-12 (%)	10.46000 %
Magnesium(Mg)	0-0.005 (%)	0.00 %
Assay(complexometric, MnSO ₄ ·H ₂ O)	98-101 (%)	100.53000 %
Assay(complexometric, calc. on the ignited basis)	99-101 (%)	100.30000 %
Calcium(Ca)	0-0.005 (%)	0.00 %
Appearance(M431158)	Pale pink or white crystalline powder or solid	Pale pink or white crystalline powder or solid
Identify(sulfates)(Ph Eur)	Pass	Pass
Appearance of solution(Ph Eur)	Pass	Pass
Substances reducing potassium permanganate	passes test	Passes test
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". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager