

Certificate of Analysis

Date of Testing: 2025-09-01 16:48:44

Date of Next Testing: 2028-08-31 16:48:44

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

CAS Number: 10034-96-5

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

Lot #: H2526089

SKU #: **M431158**

Version: **1**

Analysis #: **566574**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Assay(complexometric,MnSO ₄ H ₂ O)	98-101 (%)	99.99150 %
Assay(complexometric,calc.on the ignited basis)	99-101 (%)	99.99150 %
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 %
Calcium(Ca)	0-0.005 (%)	0.00 %
Magnesium(Mg)	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



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

John Su
QA & QC Manager