

Certificate of Analysis

Date of Testing: 2023-04-26 14:11:37

Date of Next Testing: 2027-04-25 14:11:37

Product Name: **Manganese sulfate monohydrate**

CAS Number: 10034-96-5

Specifications & Purity: ACS, 98.0%

Lot #: D23191155

SKU #: **M111712**

Analysis: **216389**

Parameter	Limit Values	Result
loss on ignition(700°C)	10-12 (%)	11.07 %
Calcium(Ca)	0-0.005 (%)	0.00 %
Heavy metal (as Pb)	0-0.002 (%)	0.00 %
Sodium(Na)	0-0.05 (%)	0.04 %
Potassium(K)	0-0.01 (%)	0.00 %
Magnesium(Mg)	0-0.005 (%)	0.00 %
Nickel(Ni)	0-0.02 (%)	0.02 %
Assay(Complexometric EDTA)	98-101 (%)	99.99 %
Zinc(Zn)	0-0.005 (%)	0.00 %
Chloride Content	0-0.005 (%)	0.00 %
Iron(Fe)	0-0.002 (%)	0.00 %
Insoluble matter in H ₂ O	0-0.01 (%)	0.00 %
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



John Su
QA & QC Manager