

Certificate of Analysis

Date of Testing: 2024-10-23 16:03:33

Date of Next Testing: 2028-10-22 16:03:33

Product Name: **Manganese nitrate solution**

CAS Number: 10377-66-9

Specifications & Purity: Premium-Grade Reagents, 50 wt. % in H₂O

Lot #: J2422678

SKU #: **M112457**

Version: **1**

Analysis #: **417782**

Parameter	Limit Values	Result
Alkali and alkali earth metals	0-0.1 (%)	0.00 %
Zinc(Zn)	0-0.02 (%)	0.00 %
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
Chloride (Cl-)	0-0.001 (%)	0.00 %
Iron(Fe)	0-0.0005 (%)	0.00 %
Insoluble matter in H ₂ O	0-0.005 (%)	0.00 %
Assay[Mn(NO ₃) ₂]	49-51 (%)	50.76 %
Sulfate(SO ₄ ²⁻)	0-0.01 (%)	0.01 %
Appearance (M112457)	colorless to clear , pink to red liquid	colorless to clear , pink to red liquid



John Su
QA & QC Manager