

Certificate of Analysis

Date of Testing: 2024-12-23 11:22:27

Date of Next Testing: 2028-12-22 11:22:27

Product Name: **Manganese nitrate solution**

CAS Number: 10377-66-9

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

Lot #: L2419608

SKU #: **M112457**

Version: **1**

Analysis #: **433348**

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 %
Sulfate(SO ₄ ²⁻)	0-0.01 (%)	0.01 %
Assay[Mn(NO ₃) ₂]	49-51 (%)	50.98 %
Appearance (M112457)	colorless to clear , pink to red liquid	colorless to clear , pink to red liquid



John Su
QA & QC Manager