

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-28 08:59:47
Date of Next Testing: 2026-07-27 08:59:47
Product Name: **Manganese nitrate solution**
CAS Number: 10377-66-9
Specifications & Purity: Analytical Reagent, 50 wt. % in H₂O
Lot #: G2220933
SKU #: **M112457**
Analysis: **098772**

Parameter	Limit Values	Result
Alkali and alkali earth metals	0-0.1 (%)	0.03 %
Zinc(Zn)	0-0.02 (%)	0.01 %
Sulfate(SO ₄ ²⁻)	0-0.01 (%)	0.00 %
Assay[Mn(NO ₃) ₂]	49-51 (%)	49.25 %
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 %
Appearance (M112457)	colorless to clear , pink to red liquid	colorless to clear , pink to red liquid



John Su
QA & QC Manager