

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-07 15:22:38
 Date of Next Testing: 2029-07-06 15:22:38
 Product Name: **Manganese chloride**
 CAS Number: 13446-34-9
 Specifications & Purity: ACS
 Lot #: F2526012
 SKU #: **M112544**
 Version: **0**
 Analysis #: **515413**
 Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Purity Titration by EDTA	98-102 (%)	100.23000 %
Zinc(Zn)	0-0.005 (%)	0.00000 %
Magnesium(Mg)	0-0.005 (%)	0.00000 %
Potassium(K)	0-0.01 (%)	0.00000 %
Calcium(Ca)	0-0.005 (%)	0.00000 %
PH (5%, water) 25 ° C	3.5-6	4.99000
Sodium(Na)	0-0.05 (%)	0.00180 %
Iron(Fe)	0-5 (ppm)	0.00000 ppm
Insoluble matter(C = 20g in 150ml H2O)	0-0.005 (%)	0.00000 %
Heavy metal (as Pb)	0-5 (ppm)	3.93700 ppm
Sulfate(SO42-)	0-0.005 (%)	0.00020 %
Appearance (M112544)	Pink Crystals	Pink Crystals
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager