

## Certificate of Analysis

Date of Testing: 2024-03-05 15:02:04  
Date of Next Testing: 2028-03-04 15:02:04  
Product Name: **Manganese chloride**  
CAS Number: 7773-01-5  
Specifications & Purity: anhydrous, 99.99% metals basis  
Lot #: B2423271  
SKU #: **M122431**  
Analysis: **316314**

Parameter	Limit Values	Result
Insoluble matter in H2O	0-0.005 (%)	0.00 %
Water by Karl Fischer	0-1 (%)	0.18 %
Purity(Based on Trace Metals Impurities of ICP)	99.99-100 (%)	99.99 %
Total Metallic Impuritie	0-200 (ppm)	196.00 ppm
Appearance (M122431)	Pink Beads or Powder	Pink Beads or Powder
ICP: Confirmed	Confirms Mn Component	Confirms Mn Component
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager