

Certificate of Analysis

Date of Testing: 2022-07-09 14:29:39
Date of Next Testing: 2023-07-09 14:29:39
Product Name: **Manganese chloride**
CAS Number: 7773-01-5
Specifications & Purity: $\geq 99\%$ trace metals basis
Lot #: K2004136
SKU #: **M141247**
Analysis: 110846
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Insoluble matter in H ₂ O	0-0.005 (%)	0.00 %
Total Metallic Impuritie	0-10000 (ppm)	100.00 ppm
Water by Karl Fischer	0-3 (%)	1.30 %
Purity(Based On Trace Metals Analysis)	99-100 (%)	99.99 %
Appearance (M141247)	Pink Crystals or Powder and/or Chunks	Pink Crystals or Powder and/or Chunks
ICP:Confirms Manganese Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager