

Certificate of Analysis

Date of Testing: 2023-12-06 15:33:51
Date of Next Testing: 2027-12-05 15:33:51
Product Name: **Manganese dioxide**
CAS Number: 1313-13-9
Specifications & Purity: 98% metals basis
Lot #: K2329207
SKU #: **M118109**
Version: **0**
Analysis #: **301934**

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	98-100 (%)	99.96 %
Titration by KMNO4 (% Mn)	62-100 (%)	62.69 %
Total Metallic Impuritie	0-20000 (ppb)	387.00 ppb
Appearance (M118109)	Grey to Black Powder and/or Chunks	Grey to Black Powder and/or Chunks
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager