

## Certificate of Analysis

Date of Testing: 2024-01-23 09:47:44

Date of Next Testing: 2028-01-22 09:47:44

Product Name: **Manganese dioxide**

CAS Number: 1313-13-9

Specifications & Purity: 98% metals basis

Lot #: A2415428

SKU #: **M118109**

**Analysis: 317723**

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	98-100 (%)	99.92 %
Titration by KMNO4 (% Mn)	62-100 (%)	62.66 %
Total Metallic Impuritie	0-20000 (ppb)	840.00 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