

Certificate of Analysis

Date of Testing: 2023-06-16 10:07:14

Date of Next Testing: 2027-06-15 10:07:14

Product Name: **Manganese dioxide**

CAS Number: 1313-13-9

Specifications & Purity: 98% metals basis

Lot #: F2308160

SKU #: **M118109**

Analysis: 242230

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	98-100 (%)	99.92 %
Titration by KMNO4 (% Mn)	62-100 (%)	62.61 %
Total Metallic Impuritie	0-20000 (ppb)	849.00 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