

## Certificate of Analysis

Date of Testing: 2023-06-16 10:59:43

Date of Next Testing: 2027-06-15 10:59:43

Product Name: **Manganese dioxide**

CAS Number: 1313-13-9

Specifications & Purity: 99% metals basis

Lot #: F2308158

SKU #: **M118110**

**Analysis: 214462**

Parameter	Limit Values	Result
Total Metallic Impurities	0-10000 (ppm)	849.00 ppm
Purity(Based On Trace Metals Analysis)	99-100 (%)	99.92 %
Titration by KMNO4 (% Mn)	62.6-65.1 (%)	62.61 %
Appearance (M118110)	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