

Certificate of Analysis

Date of Testing: 2023-06-16 11:01:14

Date of Next Testing: 2027-06-15 11:01:14

Product Name: **Manganese dioxide**

CAS Number: 1313-13-9

Specifications & Purity: 99% metals basis

Lot #: F2310342

SKU #: **M118110**

Analysis: 227699

Parameter	Limit Values	Result
Total Metallic Impurities	0-10000 (ppm)	73.00 ppm
Titration by KMNO ₄ (% Mn)	62.6-65.1 (%)	62.95 %
Purity(Based On Trace Metals Analysis)	99-100 (%)	99.99 %
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