

Certificate of Analysis

Date of Testing: 2025-01-09 13:50:50

Date of Next Testing: 2029-01-08 13:50:50

Product Name: **Manganese dioxide**

CAS Number: 1313-13-9

Specifications & Purity: PureSpectra™, Spectrum pure

Lot #: D2101399

SKU #: **M101137**

Version: **1**

Analysis #: **460021**

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.90 %
Titration by KMNO4 (% Mn)	62.6-65.1 (%)	63.20 %
Appearance (M101137)	Grey to Black Crystalline or Granular Powder	Grey to Black Crystalline or Granular Powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager