

ALADDIN SCIENTIFIC CORPORATION
14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-06-16 14:56:55
Date of Next Testing: 2030-06-15 14:56:55
Product Name: **Manganese dioxide**
CAS Number: 1313-13-9
Specifications & Purity: ≥99% metals basis
Lot #: F2610181
SKU #: **M118110**
Version: **0**
Analysis #: **666090**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Total Metallic Impuritie	0-10000 (ppm)	1613.00000 ppm
Titration by KMNO4 (% Mn)	62.6-65.1 (%)	62.86000 %
Purity(Based On Trace Metals Analysis)	99-100 (%)	99.83870 %
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