

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-17 13:57:50

Date of Next Testing: 2029-10-16 13:57:50

Product Name: **Manganese dioxide**

CAS Number: 1313-13-9

Specifications & Purity: $\geq 99\%$ metals basis

Lot #: J2515750

SKU #: **M118110**

Version: **0**

Analysis #: **565829**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Total Metallic Impuritie	0-10000 (ppm)	323.00000 ppm
Titration by KMNO4 (% Mn)	62.6-65.1 (%)	62.92000 %
Purity(Based On Trace Metals Analysis)	99-100 (%)	99.96770 %
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