



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-07 14:18:23

Date of Next Testing: 2029-08-06 14:18:23

Product Name: **Manganese dioxide**

CAS Number: 1313-13-9

Specifications & Purity: $\geq 98\%$ metals basis

Lot #: G2531048

SKU #: **M118109**

Version: **2**

Analysis #: **397665**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	98-100 (%)	99.92670 %
Titration by KMNO4 (% Mn)	62-100 (%)	64.61000 %
Total Metallic Impuritie	0-20000 (ppb)	733.00000 ppb
Appearance (M118109)	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