

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-12 17:01:44

Date of Next Testing: 2027-10-11 17:01:44

Product Name: **Manganese dioxide**

CAS Number: 1313-13-9

Specifications & Purity: 99% metals basis

Lot #: J2311502

SKU #: **M118110****Analysis: 269688**

Parameter	Limit Values	Result
Total Metallic Impurities	0-10000 (ppm)	387.00 ppm
Purity(Based On Trace Metals Analysis)	99-100 (%)	99.96 %
Titration by KMNO4 (% Mn)	62.6-65.1 (%)	62.69 %
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