

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-08 16:49:47

Date of Next Testing: 2027-02-07 16:49:47

Product Name: **Manganese dioxide**

CAS Number: 1313-13-9

Specifications & Purity: 99% metals basis

Lot #: B23031329

SKU #: **M118110****Analysis: 177376**

Parameter	Limit Values	Result
Total Metallic Impurities	0-10000 (ppm)	1949.00 ppm
Titration by KMNO ₄ (% Mn)	62.6-65.1 (%)	62.89 %
Purity(Based On Trace Metals Analysis)	99-100 (%)	99.91 %
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