

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-02-11 15:51:20

Date of Next Testing: 2026-02-10 15:51:20

Product Name: **Manganese dioxide**

CAS Number: 1313-13-9

Specifications &amp; Purity: 98% metals basis

Lot #: B2207459

SKU #: **M118109****Analysis: 072343**

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	98-100 (%)	98.95 %
Titration by KMNO4 (% Mn)	62-100 (%)	62.91 %
Total Metallic Impuritie	0-20000 (ppb)	10500.00 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