

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-29 08:51:43
 Date of Next Testing: 2029-11-28 08:51:43
 Product Name: **Manganese dioxide**
 CAS Number: 1313-13-9
 Specifications & Purity: $\geq 98\%$ metals basis
 Lot #: K2526033
 SKU #: **M118109**
 Version: **2**
 Analysis #: **592791**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	98-100 (%)	99.96770 %
Titration by KMNO4 (% Mn)	62-100 (%)	62.92000 %
Total Metallic Impuritie	0-20000 (ppb)	323.00000 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