

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-27 11:43:54

Date of Next Testing: 2027-01-26 11:43:54

Product Name: **Manganese**

CAS Number: 7439-96-5

Specifications & Purity: $\geq 99\%$, flakes, thickness < 2.0 millimeters

Lot #: A2419479

SKU #: **M434717**

Version: **1**

Analysis #: **312354**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Complexometric titration)	98.5-101.5 (%)	101.18000 %
Thickness	< 2(mm)	1.88000 mm
Appearance(M434717)	Grey to Green to Brown to Black chips	Grey to Green to Brown to Black chips
ICP: Confirms Mn Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager