

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-24 15:54:32

Date of Next Testing: 2027-10-23 15:54:32

Product Name: **Manganese**

CAS Number: 7439-96-5(power)

Specifications & Purity: 99%, ≥200 mesh

Lot #: J2317040

SKU #: **M105843****Analysis:** **255761**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Total Metallic Impuritie	0-10000 (ppm)	1705.00 ppm
Purity(Based On Trace Metals Analysis)	99-100 (%)	99.83 %
Particle size	≥200 (mesh)	1442.00 mesh
Appearance (M105843)	Grey to green powder	Grey to green powder
ICP:Confirms Manganese Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager