

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-03 15:32:39

Date of Next Testing: 2026-12-02 15:32:39

Product Name: **Manganese**

CAS Number: 7439-96-5(power)

Specifications & Purity: 99%, ≥200 mesh

Lot #: K2224610

SKU #: **M105843****Analysis: 139319**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Total Metallic Impuritie	0-10000 (ppm)	738.00 ppm
Purity(Based On Trace Metals Analysis)	99-100 (%)	99.93 %
Particle size	≥200 (mesh)	547.45 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