

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-17 17:28:16

Date of Next Testing: 2028-11-16 17:28:16

Product Name: **Lithium manganese(III,IV) oxide**

CAS Number: 12057-17-9

Specifications & Purity: $\geq 99.5\%$, $< 15\mu\text{m}$

Lot #: K2511004

SKU #: **L657637**

Version: **1**

Analysis #: **476442**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.5-100 (%)	99.60220 %
Trace Metal Analysis	0-5000 (ppm)	3978.00000 ppm
Particle size	$< 15 (\mu\text{m})$	13.20000 μm
ICP: Confirms Lithium and Manganese Component	Confirmed	Confirmed
Appearance(L657637)	Black powder to crystal	Black powder to crystal
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager