

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-30 09:17:34
Date of Next Testing: 2027-01-29 09:17:34
Product Name: **Lithium manganese(III,IV) oxide**
CAS Number: 12057-17-9
Specifications & Purity: $\geq 99.5\%$, particle size $< 15 \mu\text{M}$ particle size
Lot #: A2422046
SKU #: **L657637**
Analysis: 319005
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.5-100 (%)	99.89%
Trace Metal Analysis	0-5000 (ppm)	1132.00 ppm
Particle size	$< 15 (\mu\text{m})$	12.00000 μm
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
ICP: Confirms Lithium and Manganese Component	Confirmed	Confirmed
Appearance(L657637)	Black powder to crystal	Black powder to crystal



John Su
QA & QC Manager