

## Certificate of Analysis

Date of Testing: 2024-01-30 09:15:03  
Date of Next Testing: 2027-01-29 09:15:03  
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 #: A2422042  
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 $\mu\text{m}$
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



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QA & QC Manager