

## Certificate of Analysis

Date of Testing: 2023-06-19 11:08:43  
Date of Next Testing: 2027-06-18 11:08:43  
Product Name: **Lithium perchlorate**  
CAS Number: 7791-03-9  
Specifications & Purity: anhydrous,99.9% metals basis  
Lot #: F2306844  
SKU #: **L110163**  
**Analysis:** **243380**  
Storage Temperature: Argon charged,Desiccated

Parameter	Limit Values	Result
Total Metallic Impuritie	0-1000 (ppm)	888.00 ppm
Purity(Based on Trace Metals Impurities of ICP)	99.9-100 (%)	99.99%
Water by Karl Fischer	0-1 (%)	0.54%
Insoluble matter in H2O	0-0.005 (%)	0.00%
Heavy metal (as Pb)	0-5 (ppm)	1.08 ppm
Titration by AgNO3	96.5-103.5 (%)	101.85%
Appearance (L110163)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
ICP: Confirms Lithium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager