

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-19 10:37:28
 Date of Next Testing: 2027-06-18 10:37:28
 Product Name: **Lithium perchlorate**
 CAS Number: 7791-03-9
 Specifications & Purity: anhydrous,99.99% metals basis
 Lot #: F2306845
 SKU #: **L110164**
Analysis: **217167**
 Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|---|--------------------------------------|--------------------------------------|
| Sulfate(SO42-) | 0-0.001 (%) | 0.00 % |
| Heavy metal (as Pb) | 0-5 (ppm) | 1.08 ppm |
| PH(25°C; 5%; Water) | 6-7.5 | 6.85 |
| Chloride (Cl-) | 0-0.003 (%) | 0.00 % |
| Iron(Fe) | 0-5 (ppm) | 0.52 ppm |
| Titration by AgNO3 | 96.5-103.5 (%) | 101.85 % |
| Water by Karl Fischer | 0-1 (%) | 0.54 % |
| Purity(Based on Trace Metals Impurities of ICP) | 99.99-100 (%) | 99.99 % |
| Total Metallic Impuritie | 0-200 (ppm) | 88.00 ppm |
| Appearance (L110164) | 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