

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-01-19 11:22:01

Date of Next Testing: 2026-01-18 11:22:01

Product Name: **Lithium carbonate**

CAS Number: 554-13-2

Specifications & Purity: ACS, ≥99.0%

Lot #: A2213102

SKU #: **L101681****Analysis: 059189**

| Parameter | Limit Values | Result |
|--|-----------------------|-----------------------|
| Iron(Fe) | 0-0.002 (%) | 0.00 % |
| Potassium(K) | 0-0.01 (%) | 0.01 % |
| (NO3)Nitrate | 0-5 (ppm) | 3.00 ppm |
| Chloride (Cl-) | 0-0.005 (%) | 0.00 % |
| Purity(Titration by HCl) | 99-101 (%) | 99.85 % |
| Heavy metal (as Pb) | 0-0.002 (%) | 0.00 % |
| Sulfate(SO42-) | 0-0.2 (%) | 0.10 % |
| Insoluble matter(c = 10 % in Dilute HCl) | 0-0.01 (%) | 0.00 % |
| Calcium(Ca) | 0-0.01 (%) | 0.01 % |
| Sodium(Na) | 0-0.1 (%) | 0.10 % |
| Appearance (L101681) | white powder or solid | white powder or solid |
| ICP: Confirms Lithium Component | Confirmed | Confirmed |
| X-Ray Diffraction | Conforms to Structure | Conforms to Structure |

John Su
QA & QC Manager