

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-09-11 18:43:41

Date of Next Testing: 2028-09-10 18:43:41

Product Name: **Lithium carbonate**

CAS Number: 554-13-2

Specifications &amp; Purity: battery grade, ≥99.5%

Lot #: I2508716

SKU #: **L1455823**

Version: **1**

Analysis #: **566143**

Storage Temperature: Room temperature

| Parameter                                | Limit Values | Result       |
|------------------------------------------|--------------|--------------|
| Purity(Li <sub>2</sub> CO <sub>3</sub> ) | ≥99.5 (%)    | 99.69000 %   |
| Particle Size (d10)                      | ≥1 (μm)      | 1.94000 μm   |
| Particle size(D50)                       | 3-8 (μm)     | 5.24000 μm   |
| Particle size(D90)                       | 9-15 (μm)    | 12.04000 μm  |
| Dmax                                     | ≤ 40 (μm)    | 27.20000 μm  |
| Nickel(Ni)                               | 0-0.0005 (%) | 0.00010 %    |
| Copper(Cu)                               | 0-0.0003 (%) | 0.00010 %    |
| Iron(Fe)                                 | 0-0.001 (%)  | 0.00010 %    |
| Manganese(Mn)                            | 0-0.0003 (%) | 0.00010 %    |
| Calcium(Ca)                              | 0-0.005 (%)  | 0.00030 %    |
| Magnesium(Mg)                            | 0-0.005 (%)  | 0.00010 %    |
| Lead(Pb)                                 | 0-0.0003 (%) | 0.00010 %    |
| Zinc(Zn)                                 | 0-0.0003 (%) | 0.00010 %    |
| Sodium(Na)                               | 0-0.02 (%)   | 0.00010 %    |
| Aluminum(Al)                             | 0-0.001 (%)  | 0.00010 %    |
| Chloride (Cl-)                           | 0-0.005 (%)  | 0.00100 %    |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )  | 0-0.07 (%)   | 0.00100 %    |
| Fluoride (F-)                            | 0-0.015 (%)  | 0.00540 %    |
| Potassium(K)                             | 0-0.005 (%)  | 0.00100 %    |
| Boron(B)                                 | ≤0.003 (%)   | 0.00010 %    |
| Silicon(Si)                              | ≤0.003 (%)   | 0.00010 %    |
| Water by Karl Fischer                    | 0-0.25 (%)   | 0.14000 %    |
| loss on Ignition                         | 0-0.5 (%)    | 0.06000 %    |
| Magnetism                                | 0-300 (ppb)  | 12.00000 ppb |



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager