

Certificate of Analysis

Date of Testing: 2022-03-14 16:11:00
 Date of Next Testing: 2026-03-13 16:11:00
 Product Name: **Lithium hydroxide monohydrate**
 CAS Number: 1310-66-3
 Specifications & Purity: Analytical Reagent,98%
 Lot #: C2205508
 SKU #: **L104907**
Analysis: **074427**
 Storage Temperature: Argon charged,Desiccated

| Parameter | Limit Values | Result |
|--|------------------------|------------------------|
| lithium carbonate (Li ₂ CO ₃) | 0-2 (%) | 0.08 % |
| LiOH(Titration by HCL) | 55.6-58.5 (%) | 57.32 % |
| Purity(Titration by HCl) | 97.5-102.5 (%) | 100.01 % |
| Chloride | 0-0.005 (%) | 0.01 % |
| Sulfate(SO ₄ ²⁻) | 0-0.02 (%) | 0.02 % |
| Insiluble matter in hydrochloric | 0-0.005 (%) | 0.00 % |
| Sodium(Na) | 0-0.05 (%) | 0.05 % |
| Magnesium(Mg) | 0-0.01 (%) | 0.00 % |
| Potassium(K) | 0-0.05 (%) | 0.01 % |
| Calcium(Ca) | 0-0.01 (%) | 0.01 % |
| Iron(Fe) | 0-0.002 (%) | 0.00 % |
| Clarity test (#) | 0-4 | 4.00 |
| Appearance (L104907) | White crystals | White crystals |
| ICP Assay | Confirmed to structure | Confirmed to structure |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager