

## Certificate of Analysis

Date of Testing: 2025-06-04 15:55:09

Date of Next Testing: 2029-06-03 15:55:09

Product Name: **Lithium hydroxide monohydrate**

CAS Number: 1310-66-3

Specifications & Purity: GR, ≥99%(T)

Lot #: E2522481

SKU #: **L104913**

Version: **3**

Analysis #: **519997**

Storage Temperature: Argon charged

| Parameter                  | Limit Values                         | Result                               |
|----------------------------|--------------------------------------|--------------------------------------|
| Silver(Ag)                 | 0-5 (ppm)                            | 0.00 ppm                             |
| Chromium(Cr)               | 0-5 (ppm)                            | 0.00 ppm                             |
| Molybdenum(Mo)             | 0-5 (ppm)                            | 0.00 ppm                             |
| Magnesium(Mg)              | 0-5 (ppm)                            | 0.00 ppm                             |
| (Pb)Lead                   | 0-5 (ppm)                            | 0.00 ppm                             |
| Cobalt(Co)                 | 0-5 (ppm)                            | 0.00 ppm                             |
| Aluminum(Al)               | 0-20 (ppm)                           | 0.20 ppm                             |
| Sodium(Na)                 | 0-50 (ppm)                           | 0.50 ppm                             |
| Bismuth(Bi)                | 0-5 (ppm)                            | 0.00 ppm                             |
| Copper(Cu)                 | 0-5 (ppm)                            | 0.00 ppm                             |
| Strontium(Sr)              | 0-5 (ppm)                            | 0.00 ppm                             |
| Calcium(Ca)                | 0-50 (ppm)                           | 0.60 ppm                             |
| Barium(Ba)                 | 0-5 (ppm)                            | 0.00 ppm                             |
| Potassium(K)               | 0-200 (ppm)                          | 5.80 ppm                             |
| Sulfate(SO42-)             | 0-100 (ppm)                          | 0.10 ppm                             |
| Titanium(Ti)               | 0-5 (ppm)                            | 0.00 ppm                             |
| Cadmium(Cd)                | 0-5 (ppm)                            | 0.00 ppm                             |
| lithium carbonate (Li2CO3) | 0-1 (%)                              | 0.00 %                               |
| Chloride (Cl-)             | 0-50 (ppm)                           | 0.40 ppm                             |
| Iron(Fe)                   | 0-5 (ppm)                            | 0.00 ppm                             |
| Nickel(Ni)                 | 0-5 (ppm)                            | 0.00 ppm                             |
| Zinc(Zn)                   | 0-5 (ppm)                            | 0.00 ppm                             |
| Purity(Titration by HCl)   | 98.5-101.5 (%)                       | 99.99 %                              |
| Manganese(Mn)              | 0-5 (ppm)                            | 0.00 ppm                             |
| Appearance(L104913)        | White Powder or Crystals or Granules | White powder or crystals or granules |



ALADDIN SCIENTIFIC CORPORATION

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| Parameter         | Limit Values          | Result                |
|-------------------|-----------------------|-----------------------|
| X-Ray Diffraction | Conforms to Structure | Conforms to Structure |

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

John Su  
QA & QC Manager