

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-06-05 09:25:00

Date of Next Testing: 2029-06-04 09:25:00

Product Name: **Lithium hydroxide monohydrate**

CAS Number: 1310-66-3

Specifications & Purity: UltraBio™, Ultra pure, ≥99%(T)

Lot #: F2603563

SKU #: **L431778**

Version: **1**

Analysis #: **708389**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Titration by HCl)	98.5-101.5 (%)	99.37000 %
Carbonate Content (as Li ₂ CO ₃)	≤ 1 (%)	0.44000 %
Aluminum(Al)	0-20 (ppm)	0.00000 ppm
Barium(Ba)	0-5 (ppm)	0.00000 ppm
Bismuth(Bi)	0-5 (ppm)	0.00000 ppm
Calcium(Ca)	0-50 (ppm)	0.00000 ppm
Cadmium(Cd)	0-5 (ppm)	0.00000 ppm
Cobalt(Co)	0-5 (ppm)	0.00000 ppm
Chromium(Cr)	0-5 (ppm)	0.00000 ppm
Copper(Cu)	0-5 (ppm)	0.00000 ppm
Iron(Fe)	0-5 (ppm)	0.00000 ppm
Potassium(K)	0-200 (ppm)	29.00000 ppm
Magnesium(Mg)	0-5 (ppm)	0.00000 ppm
Manganese(Mn)	0-5 (ppm)	0.00000 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00000 ppm
Nickel(Ni)	0-5 (ppm)	0.00000 ppm
Lead(Pb)	0-5 (ppm)	0.00000 ppm
Strontium(Sr)	0-5 (ppm)	0.00000 ppm
Zinc(Zn)	0-5 (ppm)	0.00000 ppm
Arsenic(As)(MHS-AAS)	0-0.2 (ppm)	0.00000 ppm
Total sulfur as SO ₄ (ICP)	0-100 (ppm)	0.00000 ppm
Chloride (Cl-)	0-50 (ppm)	37.00000 ppm
PH(25°C, 1M in Water)	11.5-12.5	11.95000
UV Absorbance 260nm(1 M in H ₂ O)	0-0.02	0.01400
UV Absorbance 280nm(1 M in H ₂ O)	0-0.02	0.00800

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Parameter	Limit Values	Result
Sodium(Na)	0-50 (ppm)	49.00000 ppm
Appearance(L431778)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
Appearance of solution(1m in Water,Clear Colorless)	Pass	Pass
Filtered (No Residue on Filter Test)	No Residue	no residue

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager