

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-29 13:34:26
 Date of Next Testing: 2031-08-28 13:34:26
 Product Name: **Lithium hydroxide monohydrate**
 CAS Number: 1310-66-3
 Specifications & Purity: puriss. p.a., ≥99%(T)
 Lot #: H2519008
 SKU #: **L431777**
 Version: **1**
 Analysis #: **565738**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Titration by HCl)	98.5-101.5 (%)	99.99170 %
Content of Carbonate(T)(Li ₂ CO ₃)	0-1 (%)	0.10000 %
Silver(Ag)	0-5 (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)	5.80000 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
Sodium(Na)	0-50 (ppm)	0.50000 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
Thallium(Tl)	0-5 (ppm)	0.00000 ppm
Zinc(Zn)	0-5 (ppm)	0.00000 ppm
Total sulfur as SO ₄ (ICP)	0-100 (ppm)	0.10000 ppm
Chloride (Cl ⁻)	0-50 (ppm)	0.40000 ppm
Aluminium(Al)	0-20 (ppm)	0.20000 ppm
Appearance(L431777)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals



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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