

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-04-25 17:27:05
Date of Next Testing:	2027-04-24 17:27:05
Product Name:	<b>Lithium hydroxide monohydrate</b>
CAS Number:	1310-66-3
Specifications & Purity:	Guaranteed Reagent, ≥99.0%(T)
Lot #:	D2323163
SKU #	<b>L104913</b>
<b>Analysis:</b>	<b>216140</b>
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Silver (Ag)	0-5 (ppm)	1.00 ppm
Chromium(Cr)	0-5 (ppm)	0.99 ppm
Molybdenum(Mo)	0-5 (ppm)	3.00 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)	0.00 ppm
Sodium(Na)	0-50 (ppm)	0.00 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)	6.00 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
Potassium(K)	0-200 (ppm)	30.00 ppm
Sulfate(SO42-)	0-100 (ppm)	0.00 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)	0.00 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 (%)	99.98 %
Manganese(Mn)	0-5 (ppm)	0.00 ppm
Appearance(L104913)	White Powder or Crystals or Granules	White powder or crystals or granules
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

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

John Su  
QA & QC Manager