

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2023-03-13 17:01:04
Date of Next Testing:	2027-03-12 17:01:04
Product Name:	Lithium hydroxide monohydrate
CAS Number:	1310-66-3
Specifications & Purity:	Guaranteed Reagent, ≥99.0%(T)
Lot #:	C2309659
SKU #	L104913
Analysis:	198321
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Silver (Ag)	0-5 (ppm)	1.20 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
Manganese(Mn)	0-5	0.00
(Pb)Lead	0-5 (ppm)	0.00 ppm
Cobalt(Co)	0-5 (ppm)	0.00 ppm
Aluminum(Al)	0-20 (ppm)	10.00 ppm
Sodium(Na)	0-50 (ppm)	25.80 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)	32.50 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
Potassium(K)	0-200 (ppm)	100.00 ppm
Sulfate(SO42-)	0-100 (ppm)	50.20 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)	28.06 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 (%)	99.57 %
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