

Certificate of Analysis

Date of Testing: 2025-01-07 14:09:45

Date of Next Testing: 2029-01-06 14:09:45

Product Name: **Lithium hydroxide monohydrate**

CAS Number: 1310-66-3

Specifications & Purity: GR, ≥99%(T)

Lot #: A2506280

SKU #: **L104913**

Version: **3**

Analysis #: **244752**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Silver(Ag)	0-5 (ppm)	0.20 ppm
Chromium(Cr)	0-5 (ppm)	0.10 ppm
Molybdenum(Mo)	0-5 (ppm)	0.30 ppm
Magnesium(Mg)	0-5 (ppm)	0.40 ppm
(Pb)Lead	0-5 (ppm)	0.20 ppm
Cobalt(Co)	0-5 (ppm)	0.40 ppm
Aluminum(Al)	0-20 (ppm)	18.00 ppm
Sodium(Na)	0-50 (ppm)	45.00 ppm
Bismuth(Bi)	0-5 (ppm)	0.20 ppm
Copper(Cu)	0-5 (ppm)	0.40 ppm
Strontium(Sr)	0-5 (ppm)	0.21 ppm
Calcium(Ca)	0-50 (ppm)	48.00 ppm
Barium(Ba)	0-5 (ppm)	0.41 ppm
Potassium(K)	0-200 (ppm)	17.00 ppm
Sulfate(SO42-)	0-100 (ppm)	95.00 ppm
Titanium(Ti)	0-5 (ppm)	0.21 ppm
Cadmium(Cd)	0-5 (ppm)	0.44 ppm
lithium carbonate (Li2CO3)	0-1 (%)	0.05 %
Chloride (Cl-)	0-50 (ppm)	42.00 ppm
Iron(Fe)	0-5 (ppm)	0.43 ppm
Nickel(Ni)	0-5 (ppm)	0.11 ppm
Zinc(Zn)	0-5 (ppm)	0.20 ppm
Purity(Titration by HCl)	98.5-101.5 (%)	100.00 %
Manganese(Mn)	0-5 (ppm)	0.30 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