

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-08-11 18:15:13

Date of Next Testing: 2029-08-10 18:15:13

Product Name: **Lithium chloride**

CAS Number: 7447-41-8

Specifications & Purity: Anhydrous Grade, UltraBio™, Suitable for molecular biology, ≥99%(AT)

Lot #: H2607264

SKU #: **L755650**

Version: **1**

Analysis #: **750371**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Titration by AgNO3)	98.5-101.5 (%)	99.00000 %
Loss on drying	0-1 (%)	0.30000 %
Aluminum(Al)	0-5 (ppm)	2.30000 ppm
Barium(Ba)	0-10 (ppm)	2.14000 ppm
Bismuth(Bi)	0-5 (ppm)	1.04000 ppm
Calcium(Ca)	0-10 (ppm)	0.58000 ppm
Cadmium(Cd)	0-5 (ppm)	1.07440 ppm
Cobalt(Co)	0-5 (ppm)	0.95000 ppm
Chromium(Cr)	0-5 (ppm)	0.95000 ppm
Copper(Cu)	0-5 (ppm)	0.47000 ppm
Iron(Fe)	0-5 (ppm)	0.60000 ppm
Potassium(K)	0-50 (ppm)	1.85500 ppm
Magnesium(Mg)	0-5 (ppm)	0.47000 ppm
Manganese(Mn)	0-5 (ppm)	1.04700 ppm
Molybdenum(Mo)	0-5 (ppm)	0.69700 ppm
Sodium(Na)	0-50 (ppm)	2.74100 ppm
Nickel(Ni)	0-10 (ppm)	0.69800 ppm
Lead(Pb)	0-5 (ppm)	0.62500 ppm
Strontium(Sr)	0-5 (ppm)	0.74000 ppm
Zinc(Zn)	0-5 (ppm)	0.95000 ppm
Arsenic(As)(MHS-AAS)	0-0.2 (ppm)	0.10000 ppm
Total sulfur as SO4 (ICP)	0-50 (ppm)	2.96000 ppm
Total Nitrogen	0-10 (ppm)	5.00000 ppm
pH (1M in H2O)	5-7.5	6.60000
UV Absorbance 260nm(1 M in H2O)	0-0.01	0.01000

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Parameter	Limit Values	Result
A280 UV Absorption (1 M in H ₂ O)	0-0.01	0.01000
Appearance(L755650)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
Solubility(1M in H ₂ O)Clear Colorless	pass	Pass
Dnases, Rnases, Proteases, Phosphatases	None Detected	none detected
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

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