

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-01-29 10:26:39

Date of Next Testing: 2029-01-28 10:26:39

Product Name: **Lithium chloride**

CAS Number: 7447-41-8

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

Lot #: A2628668

SKU #: **L755650**

Version: **1**

Analysis #: **647432**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Titration by AgNO3)	98.5-101.5 (%)	100.50000 %
Loss on drying	0-1 (%)	0.00000 %
Aluminum(Al)	0-5 (ppm)	0.32500 ppm
Barium(Ba)	0-10 (ppm)	1.52000 ppm
Bismuth(Bi)	0-5 (ppm)	0.23600 ppm
Calcium(Ca)	0-10 (ppm)	0.58200 ppm
Cadmium(Cd)	0-5 (ppm)	0.02100 ppm
Cobalt(Co)	0-5 (ppm)	0.03600 ppm
Chromium(Cr)	0-5 (ppm)	0.11800 ppm
Copper(Cu)	0-5 (ppm)	0.01890 ppm
Iron(Fe)	0-5 (ppm)	0.32500 ppm
Potassium(K)	0-50 (ppm)	0.01520 ppm
Magnesium(Mg)	0-5 (ppm)	0.00100 ppm
Manganese(Mn)	0-5 (ppm)	0.32500 ppm
Molybdenum(Mo)	0-5 (ppm)	0.14890 ppm
Sodium(Na)	0-50 (ppm)	1.30250 ppm
Nickel(Ni)	0-10 (ppm)	0.15200 ppm
Lead(Pb)	0-5 (ppm)	0.03200 ppm
Strontium(Sr)	0-5 (ppm)	0.01969 ppm
Zinc(Zn)	0-5 (ppm)	0.00150 ppm
Arsenic(As)(MHS-AAS)	0-0.2 (ppm)	0.01300 ppm
Total sulfur as SO4 (ICP)	0-50 (ppm)	1.82500 ppm
Total Nitrogen	0-10 (ppm)	0.63220 ppm
pH (1M in H2O)	5-7.5	5.90000
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	0.00000
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



John Su
QA & QC Manager