

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-19 13:20:30
 Date of Next Testing: 2026-08-18 13:20:30
 Product Name: **Lithium sulfate solution**
 CAS Number: 10377-48-7
 Specifications & Purity: Ultrapure BioReagent, 2 M in H₂O
 Lot #: H2312145
 SKU #: **L431302**
 Analysis: **258152**

Parameter	Limit Values	Result
Density(D20/4°C)	1.160-1.175	1.17
Aluminium(Al)	0-1 (ppm)	0.16600 ppm
Barium(Ba)	0-1 (ppm)	0.04 ppm
Bismuth(Bi)	0-1 (ppm)	0.00 ppm
Calcium(Ca)	0-5 (ppm)	1.22 ppm
Cadmium(Cd)	0-1 (ppm)	0.09 ppm
Cobalt(Co)	0-1 (ppm)	0.11 ppm
Chromium(Cr)	0-1 (ppm)	0.00 ppm
Copper(Cu)	0-1 (ppm)	0.00 ppm
Iron(Fe)	0-1 (ppm)	0.28 ppm
Potassium(K)	0-20 (ppm)	3.66 ppm
Magnesium(Mg)	0-1 (ppm)	0.22 ppm
Manganese(Mn)	0-1 (ppm)	0.00 ppm
Molybdenum(Mo)	0-1 (ppm)	0.01 ppm
Sodium(Na)	0-20 (ppm)	3.65 ppm
Nickel(Ni)	0-1 (ppm)	0.00 ppm
Lead(Pb)	0-1 (ppm)	0.02 ppm
Strontium(Sr)	0-1 (ppm)	0.00 ppm
Zinc(Zn)	0-1 (ppm)	0.02 ppm
Arsenic traces(MHS-AAS)	0-0.1 (ppm)	0.03 ppm
Chloride (Cl ⁻)	0-50 (ppm)	11.90 ppm
Nitrate(NO ₃)	0-10 (ppm)	5.33000 ppm
PH(Neat at 25°C)	6.0-9.0	6.20
UV Absorbance 260nm	0-0.08	0.01
UV Absorbance 280nm	0-0.04	0.01
Assay (Titration)	1.9-2.1 (mol/L)	2.01300 mol/L
Appearance(L431302)	Colorless Liquid	Colorless liquid



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager