

Certificate of Analysis

Date of Testing: 2025-03-25 13:18:42

Date of Next Testing: 2028-03-24 13:18:42

Product Name: **Lithium acetate dihydrate**

CAS Number: 6108-17-4

Specifications & Purity: BioUltra, ≥99.0%(anhydrous basis)

Lot #: C2521913

SKU #: **L755638**

Version: **1**

Analysis #: **479330**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
PH(25°C,1M in Water)	6.5-8.5	8.28
Aluminum(Al)	0-5 (ppm)	0.00 ppm
Lead(Pb)	0-5 (ppm)	0.00 ppm
Chloride (Cl-)	0-50 (ppm)	3.00 ppm
Sulfate(SO42-)	0-100 (ppm)	0.00 ppm
Copper(Cu)	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Zinc(Zn)	0-5 (ppm)	0.00 ppm
Calcium(Ca)	0-10 (ppm)	2.00 ppm
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Potassium(K)	0-50 (ppm)	9.00 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
Cobalt(Co)	0-5 (ppm)	0.00 ppm
Chromium(Cr)	0-5 (ppm)	0.00 ppm
Manganese(Mn)	0-5 (ppm)	0.00 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-50 (ppm)	36.00 ppm
Nickel(Ni)	0-5 (ppm)	0.00 ppm
Strontium(Sr)	0-5 (ppm)	0.00 ppm
Water by Karl Fischer	34-37 (%)	36.67 %
A260 UV Absorption (0.1M H2O)	≤ 0.04	0.00400

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Parameter	Limit Values	Result
A280 UV Absorption (0.1M H ₂ O)	≤ 0.03	0.00300
Arsenic traces(MHS-AAS)	0-0.1 (ppm)	0.00 ppm
Purity(Titration by HClO ₄) (anhydrous)	98.5-101.5 (%)	101.45 %
Appearance(L755638)	Colorless or White Crystals or Crystals with Chunks	Colorless or White Crystals or Crystals with Chunks
Solubility(1M in H ₂ O)Clear Colorless	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager