

## Certificate of Analysis

Date of Testing: 2023-07-29 16:10:40  
Date of Next Testing: 2025-07-28 16:10:40  
Product Name: **Lithium L-lactate**  
CAS Number: 27848-80-2  
Specifications & Purity:  $\geq 98.0\%$ (T)  
Lot #: G2327011  
SKU #: **L133140**  
**Analysis:** **001830**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(Titration by HClO <sub>4</sub> )	97.5-102.5 (%)	98.56 %
Lithium(Dry Basis)	5.26-9.3 (%)	7.10 %
Water by Karl Fischer	0-2 (%)	0.35 %
Specific Rotation [ $\alpha$ ] <sub>20/D</sub>	-16--13 (°)	-13.85 °
Appearance (L133140)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , clear colorless , 100mg/ml in water	pass	Pass



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QA & QC Manager