

## Certificate of Analysis

Date of Testing: 2023-04-17 14:01:29  
Date of Next Testing: 2025-04-16 14:01:29  
Product Name: **Lithium L-lactate**  
CAS Number: 27848-80-2  
Specifications & Purity:  $\geq 98.0\%$ (T)  
Lot #: G2106164  
SKU #: **L133140**  
**Analysis:** **212458**  
Storage Temperature: Store at 2-8°C

| Parameter                                                            | Limit Values              | Result                    |
|----------------------------------------------------------------------|---------------------------|---------------------------|
| Purity(Titration by HClO <sub>4</sub> )                              | 97.5-102.5 (%)            | 98.16 %                   |
| Lithium(Dry Basis)                                                   | 5.26-9.3 (%)              | 6.75 %                    |
| Water by Karl Fischer                                                | 0-2 (%)                   | 1.02 %                    |
| Specific Rotation [ $\alpha$ ] <sub>20/D</sub>                       | -16--13 (°)               | -14.60 °                  |
| 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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