

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-07 15:59:53  
 Date of Next Testing: 2029-11-06 15:59:53  
 Product Name: **L-Lactic Acid**  
 CAS Number: 79-33-4  
 Specifications & Purity: Moligand™, ≥98%(T)  
 Lot #: K2506550  
 SKU #: **L118493**  
 Version: **1**  
 Analysis #: **604806**  
 Storage Temperature: Protected from light,Store at -20°C,Argon charged

| Parameter                                                                    | Limit Values                         | Result                               |
|------------------------------------------------------------------------------|--------------------------------------|--------------------------------------|
| Purity (Titration by NaOH)                                                   | 98-100 (%)                           | 99.40000 %                           |
| Water by Karl Fischer                                                        | 0-2 (%)                              | 0.40000 %                            |
| Specific Rotation [α] <sub>20/D</sub> (c=2.5,1.5M,NaOH)                      | -15~-10 (°)                          | -13.70000 °                          |
| Appearance (L118493)                                                         | White to off-white crystalline solid | White to off-white crystalline solid |
| Infrared spectrum                                                            | Conforms to Structure                | Conforms to Structure                |
| Solubility in H <sub>2</sub> O , Colorless,Clear,100 mg/mL, H <sub>2</sub> O | pass                                 | Pass                                 |



John Su  
QA & QC Manager