

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2024-12-11 19:15:34  
Date of Next Testing: 2028-12-10 19:15:34  
Product Name: **L-Lactic Acid**  
CAS Number: 79-33-4  
Specifications & Purity: Moligand™, ≥98%(T)  
Lot #: L2410450  
SKU #: **L118493**  
Version: **1**  
Analysis #: **448414**  
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 (%)                               | 0.30000 %                             |
| Specific Rotation [α] <sub>20/D</sub> (c=2.5,1.5M,NaOH)                      | -15~-10 (°)                           | -14.70000 °                           |
| Appearance (L118493)                                                         | white to off-white crystalline powder | white to off-white crystalline powder |
| 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