

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-11 18:12:52  
Date of Next Testing: 2028-12-10 18:12:52  
Product Name: **L-Lactic Acid**  
CAS Number: 79-33-4  
Specifications & Purity: Moligand™, ≥98%(T)  
Lot #: L2410456  
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 (%)	99.40%
Water by Karl Fischer	0-2 (%)	0.30%
Specific Rotation [α] <sub>20</sub> /D(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