

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-13 11:09:53  
Date of Next Testing: 2028-07-12 11:09:53  
Product Name: **L-Lactic Acid**  
CAS Number: 79-33-4  
Specifications & Purity:  $\geq 98\%$ (T)  
Lot #: G2408071  
SKU #: **L118493**  
Version: **1**  
Analysis #: **330327**  
Storage Temperature: Protected from light, Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity (Titration by NaOH)	98-100 (%)	98.91%
Water by Karl Fischer	0-2 (%)	0.92%
Specific Rotation $[\alpha]_{20/D}(c=2.5, 1.5M, NaOH)$	-15~-10 (°)	-13.31000°
Appearance (L118493)	white powder	White 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