

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-10 11:46:41  
Date of Next Testing: 2026-10-09 11:46:41  
Product Name: **L-Lactic Acid**  
CAS Number: 79-33-4  
Specifications & Purity: ACS, ≥85%  
Lot #: I2214073  
SKU #: **L122089**  
**Analysis: 141811**  
Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                      | Limit Values             | Result                   |
|--------------------------------|--------------------------|--------------------------|
| Heavy metal (as Pb)            | 0-5 (ppm)                | 0.00 ppm                 |
| Assay(Titration by HCL)        | 85-90 (%)                | 89.30 %                  |
| Ignition Residue (as sulfate)  | 0-0.02 (%)               | 0.00 %                   |
| Sulfate(SO42-)                 | 0-0.002 (%)              | 0.00 %                   |
| Chloride                       | 0-0.001 (%)              | 0.00 %                   |
| Iron(Fe)                       | 0-5 (ppm)                | 0.00 ppm                 |
| Appearance (L122089)           | colorless viscous liquid | colorless viscous liquid |
| Infrared spectrum              | Conforms to Structure    | Conforms to Structure    |
| Substances Darkened (by H2SO4) | Pass                     | Pass                     |



John Su  
QA & QC Manager