

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-04-07 14:11:09
Date of Next Testing: 2028-04-06 14:11:09
Product Name: **DL-Lactic acid**
CAS Number: 50-21-5
Specifications & Purity: ACS, ≥85%
Lot #: C2421466
SKU #: **L108841**
Version: **3**
Analysis #: **329716**
Storage Temperature: Room temperature

| Parameter | Limit Values | Result |
|--------------------------------|--------------------------|--------------------------|
| Heavy metal (as Pb) | 0-5 (ppm) | 4.50000 ppm |
| Iron(Fe) | 0-5 (ppm) | 0.60000 ppm |
| Chloride Content | 0-0.001 (%) | 0.00100 % |
| Ignition Residue(Ash) | 0-0.02 (%) | 0.01000 % |
| Sulfate(SO42-) | 0-0.002 (%) | 0.00000 % |
| Assay(Titration by HCL) | 85-90 (%) | 89.92000 % |
| Refractive index n20/D | 1.423-1.431 | 1.42400 |
| Density (20°C) | 1.209-1.214 | 1.21100 |
| Appearance (L108841) | 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