

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-23 15:56:23

Date of Next Testing: 2026-07-22 15:56:23

Product Name: **DL-Lactic acid**

CAS Number: 50-21-5

Specifications & Purity: ACS, ≥85%

Lot #: G2221105

SKU # **L108841**Version **3**Analysis #: **112967**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	4.10000 ppm
Iron(Fe)	0-5 (ppm)	0.30000 ppm
Chloride Content	0-0.001 (%)	0.00030 %
Ignition Residue(Ash)	0-0.02 (%)	0.02000 %
Sulfate(SO42-)	0-0.002 (%)	0.00100 %
Refractive index n20/D	1.423-1.431	1.42300
Assay(Titration by HCL)	85-90 (%)	89.98000 %
Density (20°C)	1.209-1.214	1.20900
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