

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-09 16:18:00

Date of Next Testing: 2026-07-08 16:18:00

Product Name: **DL-Lactic acid**

CAS Number: 50-21-5

Specifications & Purity: ACS, ≥85%

Lot #: G2208248

SKU #: **L108841**

Version: **3**

Analysis #: **107824**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	4.10000 ppm
Refractive index n _{20/D}	1.423-1.431	1.42700
Iron(Fe)	0-5 (ppm)	1.00000 ppm
Density (20°C)	1.209-1.214	1.21100
Chloride Content	0-0.001 (%)	0.00100 %
Ignition Residue(Ash)	0-0.02 (%)	0.02000 %
Sulfate(SO ₄ ²⁻)	0-0.002 (%)	0.00200 %
Assay(Titration by HCL)	85-90 (%)	90.00000 %
Appearance (L108841)	colorless viscous liquid	colorless viscous liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Substances Darkened (by H ₂ SO ₄)	Pass	Pass



John Su
QA & QC Manager