

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-05-24 11:09:58

Date of Next Testing: 2028-05-23 11:09:58

Product Name: **DL-Lactic acid**

CAS Number: 50-21-5

Specifications & Purity: ACS, ≥85%

Lot #: E2416264

SKU #: **L108841**

Version: **3**

Analysis #: **345114**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	0.36000 ppm
Iron(Fe)	0-5 (ppm)	0.60000 ppm
Chloride Content	0-0.001 (%)	0.00000 %
Refractive index n ₂₀ /D	1.423-1.431	1.42510
Assay(Titration by HCL)	85-90 (%)	89.20000 %
Density (20°C)	1.209-1.214	1.21140
Ignition Residue(Ash)	0-0.02 (%)	0.00000 %
Sulfate(SO ₄ ²⁻)	0-0.002 (%)	0.00000 %
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