

ALADDIN SCIENTIFIC CORPORATION
14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-31 16:48:59
Date of Next Testing: 2028-10-30 16:48:59
Product Name: **DL-Lactic acid**
CAS Number: 50-21-5
Specifications & Purity: ACS, ≥85%
Lot #: J2424667
SKU #: **L108841**
Version: **3**
Analysis #: **419510**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Ignition Residue(Ash)	0-0.05 (%)	0.01000 %
Sulfate(SO42-)	≤50 (µg/g)	25.10000 µg/g
Heavy metal(as Pb)	≤10 (µg/g)	2.10000 µg/g
Iron(Fe)	≤10 (µg/g)	0.50000 µg/g
Assay(lactate)	90-100 (%)	90.70000 %
Color Test	0-50 (APHA)	23.12000 APHA
oxide	≤20 (µg/g)	1.99000 µg/g
(As)Arsenic	0-1 (µg/g)	0.12000 µg/g
Specific Rotation [α] ₂₀ /D(c=Neat)	0.0095-0.0105 (°)	0.01000 °
Appearance (L108841)	Colorless or almost colorless clear viscous liquid	Colorless or almost colorless clear viscous liquid
calcium salt	pass	Pass
reducing sugar	Pass	Pass
Carbonyl compound	Pass	Pass
Citric acid, oxalic acid, phosphoric acid or tartaric acid	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager