

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-10 10:17:44
Date of Next Testing: 2028-10-09 10:17:44
Product Name: **DL-Lactic acid**
CAS Number: 50-21-5
Specifications & Purity: ACS, ≥85%
Lot #: I2429255
SKU #: **L108841**
Version: **3**
Analysis #: **404453**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Ignition Residue(Ash)	0-0.05 (%)	0.02000 %
Sulfate(SO42-)	≤50 (µg/g)	30.00000 µg/g
Heavy metal(as Pb)	≤10 (µg/g)	6.00000 µg/g
Iron(Fe)	≤10 (µg/g)	0.50000 µg/g
Assay(lactate)	90-100 (%)	90.70000 %
Color Test	0-50 (APHA)	25.00000 APHA
oxide	≤20 (µg/g)	10.00000 µg/g
(As)Arsenic	0-1 (µg/g)	0.20000 µg/g
Specific Rotation [α] _D ²⁰ (c=Neat)	0.0095-0.0105 (°)	0.01000 °
calcium salt	pass	Pass
reducing sugar	Pass	Pass
Carbonyl compound	Pass	Pass
Citric acid, oxalic acid, phosphoric acid or tartaric acid	pass	Pass
Appearance (L108841)	Colorless or almost colorless clear viscous liquid	Colorless or almost colorless clear viscous liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager