

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2026-07-28 18:00:01

Date of Next Testing: 2030-07-27 18:00:01

Product Name: **DL-Lactic acid**

CAS Number: 50-21-5

Specifications & Purity: ACS, ≥85%

Lot #: G2618090

SKU #: **W21173**

Version: **0**

Analysis #: **747432**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Ignition Residue(Ash)	0-0.05 (%)	0.03000 %
Sulfate(SO42-)	≤50 (μg/g)	26.10000 μg/g
Heavy metal(as Pb)	≤10 (μg/g)	5.60000 μg/g
Iron(Fe)	≤10 (μg/g)	0.30000 μg/g
Assay(lactate)	90-100 (%)	90.50000 %
Color Test	0-50 (APHA)	45.00000 APHA
oxide	≤20 (μg/g)	12.00000 μg/g
(As)Arsenic	0-1 (μg/g)	0.58000 μg/g
Specific Rotation [α] ₂₀ /D(c=Neat)	-1~1 (°)	0.02000 °
Infrared spectrum	Conforms to Structure	Conforms to Structure
calcium salt	pass	Pass
reducing sugar	Pass	Pass
Carbonyl compound	Pass	Pass
Citric acid, oxalic acid, phosphoric acid or tartaric acid	pass	Pass
Appearance(W21173)	Colorless or almost colorless clear viscous liquid	Colorless or almost colorless clear viscous liquid

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Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zou

