

## Certificate of Analysis

Date of Testing: 2023-06-06 13:41:59  
Date of Next Testing: 2027-06-05 13:41:59  
Product Name: **L-Lactic Acid**  
CAS Number: 79-33-4  
Specifications & Purity: ACS, ≥85%  
Lot #: E2329784  
SKU #: **L122089**  
**Analysis:** **236031**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	0.37 ppm
Ignition Residue (as sulfate)	0-0.02 (%)	0.00 %
Sulfate(SO42-)	0-0.002 (%)	0.00 %
Chloride	0-0.001 (%)	0.00 %
Iron(Fe)	0-5 (ppm)	0.00 ppm
Assay(Titration by HCL)	85-90 (%)	89.50 %
Appearance (L122089)	colorless viscous liquid	colorless viscous liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Substances Darkened (by H2SO4)	Pass	Pass



John Su  
QA & QC Manager