

## Certificate of Analysis

Date of Testing: 2024-09-11 11:43:51  
Date of Next Testing: 2028-09-10 11:43:51  
Product Name: **L-Lactic Acid**  
CAS Number: 79-33-4  
Specifications & Purity: ACS, 85%  
Lot #: I2403508  
SKU #: **L122089**  
Version: **0**  
Analysis #: **410064**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	0.12 ppm
Assay(Titration by HCL)	85-90 (%)	89.91 %
Ignition Residue (as sulfate)	0-0.02 (%)	0.01 %
Sulfate(SO42-)	0-0.002 (%)	0.00 %
Chloride	0-0.001 (%)	0.00 %
Iron(Fe)	0-5 (ppm)	0.00 ppm
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