

Certificate of Analysis

Date of Testing: 2024-08-21 16:12:18
Date of Next Testing: 2028-08-20 16:12:18
Product Name: **L-Lactic Acid**
CAS Number: 79-33-4
Specifications & Purity: $\geq 98\%$ (T)
Lot #: H2412422
SKU #: **L118493**
Version: **1**
Analysis #: **402929**
Storage Temperature: Protected from light, Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity (Titration by NaOH)	98-100 (%)	98.00%
Water by Karl Fischer	0-2 (%)	1.30%
Specific Rotation $[\alpha]_{20/D}(c=2.5, 1.5\text{M}, \text{NaOH})$	$-15 \sim -10$ ($^{\circ}$)	-13.90000°
Appearance (L118493)	white to off-white crystalline powder	white to off-white crystalline powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O, Colorless, Clear, 100 mg/mL, H ₂ O	pass	Pass



John Su
QA & QC Manager