

Certificate of Analysis

Date of Testing: 2024-03-13 16:30:19
Date of Next Testing: 2028-03-12 16:30:19
Product Name: **L-Lactic Acid**
CAS Number: 79-33-4
Specifications & Purity: $\geq 98\%$ (T)
Lot #: C2409304
SKU #: **L118493**
Version: **1**
Analysis #: **330327**
Storage Temperature: Protected from light, Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity (Titration by NaOH)	98-100 (%)	98.91%
Water by Karl Fischer	0-2 (%)	0.92%
Specific Rotation $[\alpha]_{20/D}(c=2.5, 1.5\text{M}, \text{NaOH})$	-15~-10 ($^{\circ}$)	-13.31000 $^{\circ}$
Appearance (L118493)	white powder	White 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