

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-12 09:01:36  
Date of Next Testing: 2029-07-11 09:01:36  
Product Name: **(-)-Ethyl L-lactate**  
CAS Number: 687-47-8  
Specifications & Purity:  $\geq 99\%$   
Lot #: G2504193  
SKU #: **E104554**  
Version: **0**  
Analysis #: **527476**

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.412-1.414	1.41
Purity(GC)	99-100 (%)	99.50 %
Density (20°C)	1.034-1.038	1.03
Specific Rotation [α] <sub>20</sub> /D(c=Neat)	-11.5--10 (°)	-11.37 °
Appearance (E104554)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager