

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-20 09:24:16
 Date of Next Testing: 2027-01-19 09:24:16
 Product Name: **(-)-Ethyl L-lactate**
 CAS Number: 687-47-8
 Specifications & Purity: photoresist grade, ≥99%
 Lot #: C1926155
 SKU #: **E104553**
 Version: **1**
 Analysis #: **180139**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.9999-100 (%)	99.99990 %
Free acid	0-0.025 (%)	0.01300 %
Water by Karl Fischer	0-0.1 (%)	0.07860 %
Specific Rotation [α] _{20/D} (c=Neat)	9.5-11.5 (°)	10.99400 °
Trace Metal Analysis	0-1 (ppm)	0.89000 ppm
Refractive index n _{20/D}	1.412-1.414	1.41300
Evaporation Residue	0-0.01 (%)	0.00815 %
Purity(sum of enantiomers)(GC)	99-100 (%)	99.34800 %
Appearance (E104553)	Colorless to light yellow liquid	Colorless to light yellow liquid



John Su
QA & QC Manager