

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-05 09:41:54
 Date of Next Testing: 2028-09-04 09:41:54
 Product Name: **L-Lactic acid-¹³C₃**
 CAS Number: 87684-87-5
 Specifications & Purity: ≥ 99 atom% ¹³C, $\geq 98\%$, $\geq 98\%$ (Chiral Purity, HPLC)
 Lot #: H2526582
 SKU #: **L465453**
 Version: **1**
 Analysis #: **508083**
 Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-2 (%)	0.50000 %
¹³ C Enrichment	99-100 (%)	99.30000 %
Purity(HPLC area)	98-100 (%)	99.00000 %
Enantiomeric Excess	98-100 (%)	99.90000 %
Appearance(L465453)	White Waxy Solid	white waxy solid
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Carbon NMR Spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager