

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2026-04-28 09:46:40
Date of Next Testing:	2029-04-27 09:46:40
Product Name:	Dodecanoyl-L-homoserine lactone
CAS Number:	137173-46-7
Specifications & Purity:	≥98%
Lot #:	D2620222
SKU #	D329450
Version	1
Analysis #:	677428
Storage Temperature:	Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.88200 %
specific rotation $[\alpha]_{20/D}(C=0.2 \text{ in MeOH})$	-30--20 (°)	-24.24100 °
Appearance(D329450)	White to Off White Powder to Crystals	White to Off White Powder to Crystals
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager