

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-22 13:46:03

Date of Next Testing: 2028-10-21 13:46:03

Product Name: **Dodecanoyl-L-homoserine lactone**

CAS Number: 137173-46-7

Specifications & Purity: $\geq 98\%$ (HPLC)

Lot #: J2513054

SKU #: **D329450**

Version: **1**

Analysis #: **416745**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.57600 %
specific rotation $[\alpha]_{20/D}(C=0.2 \text{ in MeOH})$	-30--20 (°)	-29.73400 °
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