

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-01 12:08:29  
Date of Next Testing: 2025-05-31 12:08:29  
Product Name: **Dodecanoyl-L-homoserine lactone**  
CAS Number: 137173-46-7  
Specifications & Purity: 98%(HPLC)  
Lot #: E2227137  
SKU #: **D329450**  
Version: **1**  
Analysis #: **077468**  
Storage Temperature: Store at -20°C

| Parameter  | Limit Values                          | Result                                |
|--|---------------------------------------|---------------------------------------|
| Purity(HPLC)   | 98-100 (%)                            | 98.16200 %                            |
| specific rotation [ $\alpha$ ] <sub>20</sub> /D(C=0.2 in MeOH) | -30~-20 (°)                           | -27.54900 °                           |
| 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