

## Certificate of Analysis

Date of Testing: 2023-04-21 15:57:23  
Date of Next Testing: 2026-04-20 15:57:23  
Product Name: **Dodecanoyl-L-homoserine lactone**  
CAS Number: 137173-46-7  
Specifications & Purity: 98%(HPLC)  
Lot #: D2315349  
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