

# Certificate of Analysis

## Compound Information

**Product Name:** N-Dodecanoyl-L-Homoserine Lactone  
**CAS No.:** 137173-46-7  
**Cat. No.:** G4154406  
**Molecular Formula:** C<sub>16</sub>H<sub>29</sub>NO<sub>3</sub>  
**Molecular Weight:** 283.41

## Batch Information

**Batch No.:** 1205242  
**Test Date:** 2023-09-21  
**Report Date:** 2023-09-22  
**Retest Date:** 2029-03-18  
**Storage:** -20°C  
**Origin:** China

## Test Item

Test	Specification	Result
Purity	98%+(GC-MS)	98.80%
NMR	Consistent with structure	Consistent with structure
Optical Rotation	[?]/D -25±5°	-25.87

## Conclusion

The product has been tested and complies with the given specifications.

## Signature

Reviewed by :



Reviewed by:



Approved by:

