

Certificate of Analysis

Date of Testing: 2025-07-28 17:13:05
 Date of Next Testing: 2026-07-28 17:13:05
 Product Name: **N-Hexanoyl-L-homoserine lactone (C6-HSL)**
 CAS Number: 147852-83-3
 Specifications & Purity: $\geq 98\%$
 Lot #: G2518309
 SKU #: **H275885**
 Version: **1**
 Analysis #: **537333**
 Storage Temperature: Store at -20°C , Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.89600 %
specific rotation $[\alpha]_{20/D}(C=0.2 \text{ in MeOH})$	-35--29 ($^{\circ}$)	-34.95000 $^{\circ}$
Appearance(H275885)	White to Off White Powder to Crystals	White to off white powder to crystals or Plasters
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager