

Certificate of Analysis

Date of Testing: 2025-03-12 10:46:31
 Date of Next Testing: 2026-03-12 10:46:31
 Product Name: **N-Hexanoyl-L-homoserine lactone (C6-HSL)**
 CAS Number: 147852-83-3
 Specifications & Purity: $\geq 98\%$
 Lot #: K2228226
 SKU #: **H275885**
 Version: **1**
 Analysis #: **480337**
 Storage Temperature: Store at -20°C , Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.59600 %
specific rotation $[\alpha]_{20/D}(C=0.2 \text{ in MeOH})$	-35--29 ($^{\circ}$)	-32.29600 $^{\circ}$
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