

Certificate of Analysis

Date of Testing: 2024-12-09 16:56:03

Date of Next Testing: 2025-12-09 16:56:03

Product Name: **N-Octanoyl-L-homoserine lactone**

CAS Number: 147852-84-4

Specifications & Purity: $\geq 98\%$

Lot #: I2202654

SKU #: **O275948**

Version: **1**

Analysis #: **445779**

Storage Temperature: Protected from light, Store at -20°C , Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.30000 %
specific rotation $[\alpha]_{20/D}(C=0.2 \text{ in MeOH})$	-32--25 ($^{\circ}$)	-30.00000 $^{\circ}$
Appearance(O275948)	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