

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-20 13:45:27
 Date of Next Testing: 2026-10-20 13:45:27
 Product Name: **N-Octanoyl-L-homoserine lactone (C8-HSL)**
 CAS Number: 147852-84-4
 Specifications & Purity: Moligand™, ≥98%
 Lot #: A2510582
 SKU #: **O275948**
 Version: **1**
 Analysis #: **589049**
 Storage Temperature: Protected from light, Store at -20°C, Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.74000 %
specific rotation $[\alpha]_{20/D}(C=0.2 \text{ in MeOH})$	-32--25 (°)	-27.12000 °
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