QualityAssurance@aladdinsci.com

ALADDIN SCIENTIFIC CORPORATION
14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2025-10-27 10:26:22
Date of Next Testing:	2026-10-27 10:26:22
Product Name:	**N-Octanoyl-L-homoserine lactone (C8-HSL)**
CAS Number:	147852-84-4
Specifications & Purity:	Moligand™, ≥98%
Lot #:	J2521683
SKU #	**O275948**
Version	**1**
Analysis #:	**583366**
Storage Temperature:	Protected from light,Store at -20°C,Argon charged,Desiccated

Parameter	**Limit Values**	**Result**
Purity(HPLC)	98-100（%）	99.93600 %
specific rotation [α]20/D(C=0.2 in MeOH)	-32--25（°）	-31.02300 °
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