

Certificate of Analysis

Date of Testing: 2024-10-13 15:24:06

Date of Next Testing: 2028-10-12 15:24:06

Product Name: **L-Lysine**

CAS Number: 56-87-1

Specifications & Purity: Moligand™, ≥98%, Metal < 500ppm

Lot #: J2409015

SKU #: **L598932**

Version: **1**

Analysis #: **284782**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=2 in 5mol/L HCl)	24-27 (°)	25.58°
Water by Karl Fischer	0-12 (%)	2.13 %
Purity(HPLC area)	98-100 (%)	98.97 %
Total Metallic Impuritie	< 500 (ppm)	0.00 ppm
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance(L598932)	White to Light Yellow Powder or Crystals	White to Light Yellow Powder or Crystals
Solubility in H ₂ O , Colorless to Faint Yellow ,Clear,100 mg/mL	pass	Pass



John Su
QA & QC Manager