

Certificate of Analysis

Date of Testing: 2024-11-27 11:10:23

Date of Next Testing: 2026-11-27 11:10:23

Product Name: **D-Lysine**

CAS Number: 923-27-3

Specifications & Purity: Moligand™, ≥99%

Lot #: K2421353

SKU #: **D139442**

Version: **0**

Analysis #: **430416**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] ₂₅ /D(c=1 in H ₂ O)	-16--12 (°)	-13.53 °
Carbon by Elemental Analysis	47-50.5 (%)	47.38 %
Water by Karl Fischer	0-5 (%)	2.26 %
Nitrogen by Elemental Analysis	18-19.4 (%)	18.25 %
Purity(HPLC)	99-100 (%)	99.01000 %
Solubility in H ₂ O , Colorless to Faint Yellow	pass	Pass
Clear ,50 mg/mL, H ₂ O		
Appearance (D139442)	white to off-white powder, crystals and/or chunks	white to off-white powder, crystals and/or chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager