

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-04-23 13:36:53

Date of Next Testing: 2026-04-23 13:36:53

Product Name: **D-Lysine**

CAS Number: 923-27-3

Specifications & Purity: $\geq 99\%$

Lot #: D2411414

SKU #: **D139442****Analysis: 327964**Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.01000 %
Specific Rotation $[\alpha]_{25}^D(c=1 \text{ in H}_2\text{O})$	-16--12 ($^{\circ}$)	-12.30 $^{\circ}$
Carbon by Elemental Analysis	47-50.5 (%)	47.12 %
Nitrogen by Elemental Analysis	18-19.4 (%)	18.06 %
Water by Karl Fischer	0-5 (%)	1.18 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (D139442)	white to off-white powder, crystals and/or chunks	white to off-white powder, crystals and/or chunks
Solubility in H ₂ O , Colorless to Faint Yellow Clear ,50 mg/mL, H ₂ O	pass	Pass

John Su
QA & QC Manager