

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-29 16:39:45

Date of Next Testing: 2025-01-28 16:39:45

Product Name: **D-Lysine**

CAS Number: 923-27-3

Specifications & Purity:  $\geq 99\%$ 

Lot #: A2312352

SKU #: **D139442****Analysis: 180979**Storage Temperature: Store at  $-20^{\circ}\text{C}$ 

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.99500 %
Specific Rotation $[\alpha]_{25}^D(c=1 \text{ in H}_2\text{O})$	-16--12 ( $^{\circ}$ )	-13.24 $^{\circ}$
Carbon by Elemental Analysis	47-50.5 (%)	48.55 %
Nitrogen by Elemental Analysis	18-19.4 (%)	18.83 %
Water by Karl Fischer	0-5 (%)	1.46 %
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
Solubility in H <sub>2</sub> O , Colorless to Faint Yellow	pass	Pass
Clear ,50 mg/mL, H <sub>2</sub> O		

John Su  
QA & QC Manager