

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-10 17:16:31

Date of Next Testing: 2025-05-09 17:16:31

Product Name: **D-Norleucine**

CAS Number: 327-56-0

Specifications & Purity: $\geq 98\%$ (HPLC)

Lot #: D23261083

SKU #: **S136235**

Version: **0**

Analysis #: **091824**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Carbon by Elemental Analysis	53.6-56.3 (%)	54.36000 %
Specific Rotation $[\alpha]_{20/D(c=4.7 \text{ in } 1\text{M HCl})}$	-23--19 (°)	-20.30000 °
Purity(HPLC)	98-100 (%)	98.60000 %
Nitrogen by Elemental Analysis	10.4-10.9 (%)	10.55000 %
Appearance (S136235)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1 M HCl , Colorless Clear 50 mg/ml	pass	Pass



John Su
QA & QC Manager