

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-09-19 14:57:47  
Date of Next Testing: 2029-09-18 14:57:47  
Product Name: **L-Norleucine**  
CAS Number: 327-57-1  
Specifications & Purity:  $\geq 99\%$   
Lot #: L2108625  
SKU #: **N109230**  
Version: **0**  
Analysis #: **574010**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity((NT)	98.5-101.5 (%)	99.21800 %
Specific Rotation [a] <sub>20</sub> /D(c=5 in 5 M HCl)	22-24 (°)	22.03400 °
Appearance (N109230Color)	White to off-white	White to off-white
Appearance (N109230Form)	Powder to crystal	Powder to crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager