

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-21 10:06:15

Date of Next Testing: 2029-08-20 10:06:15

Product Name: **L-Norvaline**

CAS Number: 6600-40-4

Specifications & Purity:  $\geq 99\%$

Lot #: H2508783

SKU #: **N106215**

Version: **1**

Analysis #: **511982**

Storage Temperature: Room temperature

| Parameter                                                            | Limit Values          | Result                |
|----------------------------------------------------------------------|-----------------------|-----------------------|
| Purity(HPLC)                                                         | 99-100 (%)            | 99.48000 %            |
| Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in } 5N \text{ HCl})$ | 22.5-25.5 (°)         | 22.54000 °            |
| Appearance (N106215)                                                 | White crystal powder  | White crystal powder  |
| Proton NMR spectrum                                                  | Conforms to Structure | Conforms to Structure |
| Solubility, Colorless and clear (5% in H <sub>2</sub> O)             | pass                  | Pass                  |
| TLC Analysis                                                         | One spot              | One spot              |



John Su  
QA & QC Manager