

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-09-11 14:39:02

Date of Next Testing: 2029-09-10 14:39:02

Product Name: **DL-Norvaline**

CAS Number: 760-78-1

Specifications & Purity:  $\geq 99\%$

Lot #: K2129121

SKU #: **N100542**

Version: **0**

Analysis #: **571110**

Storage Temperature: Room temperature

| Parameter                                                            | Limit Values          | Result                |
|----------------------------------------------------------------------|-----------------------|-----------------------|
| Specific Rotation $[\alpha]_{25/D}(c=2 \text{ in } 5 \text{ M HCl})$ | -0.1-0.1 (°)          | 0.09780°              |
| Purity(HPLC)                                                         | 99-100 (%)            | 99.95600 %            |
| Appearance (N100542)                                                 | white powder          | White powder          |
| Infrared spectrum                                                    | Conforms to Structure | Conforms to Structure |
| Proton NMR spectrum                                                  | Conforms to Structure | Conforms to Structure |
| Solubility in H <sub>2</sub> O , Clear(50 mg/mL, H <sub>2</sub> O)   | pass                  | Pass                  |



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