

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-04-15 11:26:06

Date of Next Testing: 2029-04-14 11:26:06

Product Name: **DL-Proline**

CAS Number: 609-36-9

Specifications & Purity:  $\geq 99\%$

Lot #: D2509079

SKU #: **P105590**

Version: **1**

Analysis #: **120437**

Storage Temperature: Room temperature

| Parameter                                                                      | Limit Values                          | Result                                |
|--------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Specific Rotation $[\alpha]_{20/D(c=4 \text{ in H}_2\text{O})}$                | -1-1 ( $^{\circ}$ )                   | 0.04100 $^{\circ}$                    |
| Purity (T)                                                                     | 98.5-101.5 (%)                        | 99.75000 %                            |
| Appearance (P105590)                                                           | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Proton NMR spectrum                                                            | Conforms to Structure                 | Conforms to Structure                 |
| Solubility in H <sub>2</sub> O , Colorless to Faint Yellow, Clear to Hazy, 20% | Pass                                  | Pass                                  |



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QA & QC Manager