

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-23 16:56:04  
 Date of Next Testing: 2027-12-13 16:56:04  
 Product Name: **(S)-(-)-2-Amino-4-pentenoic acid**  
 CAS Number: 16338-48-0  
 Specifications & Purity: Moligand™, ≥98%  
 Lot #: L2512648  
 SKU #: **A115225**  
 Version: **3**  
 Analysis #: **630865**  
 Storage Temperature: Store at 2-8°C

| Parameter                                                       | Limit Values          | Result                |
|-----------------------------------------------------------------|-----------------------|-----------------------|
| Specific Rotation [α] <sub>20</sub> /D(c=4 in H <sub>2</sub> O) | -39--35 (°)           | -35.99200 °           |
| Purity (Titration by NaOH)                                      | 97.5-102.5 (%)        | 98.42000 %            |
| Appearance (A115225)                                            | white powder          | White powder          |
| Proton NMR spectrum                                             | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager