

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-14 15:31:02  
 Date of Next Testing: 2029-08-13 15:31:02  
 Product Name: **N-Carbobenzyloxy-L-valine**  
 CAS Number: 1149-26-4  
 Specifications & Purity:  $\geq 99\%$   
 Lot #: J2126143  
 SKU #: **C105462**  
 Version: **1**  
 Analysis #: **553778**  
 Storage Temperature: Room temperature

| Parameter                                                | Limit Values          | Result                |
|----------------------------------------------------------|-----------------------|-----------------------|
| Water by Karl Fischer                                    | 0-0.5 (%)             | 0.03500 %             |
| Melting point                                            | 59-62 (°C)            | 61.80000 °C           |
| Sulfate Ash                                              | 0-0.2 (%)             | 0.00130 %             |
| Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in AcOH})$ | -4.9--3.3 (°)         | -4.25000 °            |
| Purity(Neutralization titration)                         | 98.5-101.5 (%)        | 99.70000 %            |
| Appearance (C105462)                                     | white powder          | White powder          |
| Proton NMR spectrum                                      | Conforms to structure | Conforms to Structure |



John Su  
QA & QC Manager