

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-09-10 17:25:50

Date of Next Testing: 2029-09-09 17:25:50

Product Name: **N $\alpha$ -(5-Fluoro-2,4-dinitrophenyl)-L-leucinamide [HPLC Labeling Reagent for e.e. Determination]**

CAS Number: 178065-29-7

Specifications & Purity:  $\geq 98\%$ (HPLC)

Lot #: I2503687

SKU #: **N159216**

Version: **2**

**Analysis #:** **561578**

Storage Temperature: Room temperature

| Parameter                                                   | Limit Values                                       | Result                                             |
|-------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Purity(HPLC)                                                | 98-100 (%)                                         | 99.15800 %                                         |
| Melting point                                               | 168-172 ( $^{\circ}\text{C}$ )                     | 168.94000 $^{\circ}\text{C}$                       |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in Acetone})$ | 3-7 ( $^{\circ}$ )                                 | 3.29200 $^{\circ}$                                 |
| Proton NMR spectrum                                         | Conforms to structure                              | Conforms to Structure                              |
| Appearance(N159216)                                         | Light yellow to Yellow to Orange powder to crystal | Light Yellow to Yellow to Orange powder to crystal |
| Effect test of HPLC derivatization                          | Effective as labeling agent for DL-Phenylalanine   | Effective as labeling agent for DL-Phenylalanine   |



John Su  
QA & QC Manager