

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2021-10-13 22:43:41

Date of Next Testing: 2025-10-12 22:43:41

Product Name: **D-Leucine**

CAS Number: 328-38-1

Specifications & Purity: Moligand™, ≥99%

Lot #: J2111554

SKU #: **L110997**

Version: **0**

Analysis #: **018897**

Storage Temperature: Room temperature

| Parameter                                                 | Limit Values                     | Result                           |
|-----------------------------------------------------------|----------------------------------|----------------------------------|
| Carbon by Elemental Analysis                              | 54.1-55.8 (%)                    | 54.93000 %                       |
| Nitrogen by Elemental Analysis                            | 10.4-11 (%)                      | 10.49000 %                       |
| Purity(HPLC)                                              | 99-100 (%)                       | 99.40200 %                       |
| Specific Rotation [α] <sub>20/D</sub> (c=4 in 6mol/L HCl) | -15.5--13.5 (°)                  | -13.58000 °                      |
| Appearance (L110997)                                      | White Crystals, Powder or Flakes | White Crystals, Powder or Flakes |
| Infrared spectrum                                         | Conforms to Structure            | Conforms to Structure            |
| Solubility in 1 N HCl, c = 5%                             | Clear Colorless                  | Clear Colorless                  |



John Su  
QA & QC Manager