

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2023-08-22 15:20:48

Date of Next Testing: 2025-08-21 15:20:48

Product Name: **Fmoc-D-Pip-OH**

CAS Number: 101555-63-9

Specifications & Purity:  $\geq 98\%$

Lot #: H2315381

SKU #: **I137410**

Version: **0**

Analysis #: **246337**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                               | Limit Values                    | Result                          |
|---------------------------------------------------------|---------------------------------|---------------------------------|
| Purity (Titration by NaOH)                              | 97.5-102.5 (%)                  | 99.65000 %                      |
| Purity(HPLC)                                            | 98-100 (%)                      | 99.39300 %                      |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in DMF})$ | 19-29 ( $^{\circ}$ )            | 22.86000 $^{\circ}$             |
| Appearance (I137410)                                    | White to Tan Powder or Crystals | White to Tan Powder or Crystals |
| Proton NMR spectrum                                     | Conforms to Structure           | Conforms to Structure           |



John Su  
QA & QC Manager