

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-10 19:01:29

Date of Next Testing: 2027-02-09 19:01:29

Product Name: **Fmoc-Thr(tBu)-OH**

CAS Number: 71989-35-0

Specifications & Purity:  $\geq 98\%$

Lot #: B2303451

SKU #: **F110979**

Version: **1**

Analysis #: **142392**

Storage Temperature: Store at 2-8°C

| Parameter                                                         | Limit Values                             | Result                                   |
|-------------------------------------------------------------------|------------------------------------------|------------------------------------------|
| Purity(HPLC)                                                      | 98-100 (%)                               | 99.25100 %                               |
| Water by Karl Fischer                                             | 0-0.5 (%)                                | 0.26000 %                                |
| Melting point                                                     | 131-135 (°C)                             | 132.47000 °C                             |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in Ethyl Acetate})$ | 14-17 (°)                                | 15.55900 °                               |
| Appearance (F110979)                                              | White to Light yellow crystalline powder | White to light yellow crystalline powder |
| Elemental Analysis                                                | Consistent                               | Consistent                               |
| Proton NMR spectrum                                               | Conforms to Structure                    | Conforms to Structure                    |



John Su  
QA & QC Manager