

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-05-08 13:20:46

Date of Next Testing: 2028-05-07 13:20:46

Product Name: **Fmoc-D-Asn(Trt)-OH**

CAS Number: 180570-71-2

Specifications & Purity:  $\geq 98\%$

Lot #: G2028115

SKU #: **F116816**

Version: **0**

Analysis #: **354764**

Storage Temperature: Store at 2-8°C

| Parameter                                                  | Limit Values                                      | Result                                            |
|------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| Nitrogen by Elemental Analysis                             | 4.5-4.9 (%)                                       | 4.50000 %                                         |
| Specific Rotation $[\alpha]_{20/D(c=0.5 \text{ in MeOH})}$ | 11.5-17.5 (°)                                     | 15.80000 °                                        |
| Purity(HPLC)                                               | 98-100 (%)                                        | 98.00000 %                                        |
| Carbon by Elemental Analysis                               | 73.8-79.2 (%)                                     | 76.30000 %                                        |
| Appearance (F116816)                                       | White to Yellow to Beige to Brown Powder,Crystals | White to Yellow to Beige to Brown Powder,Crystals |
| Infrared spectrum                                          | Conforms to Structure                             | Conforms to Structure                             |
| Proton NMR spectrum                                        | Conforms to Structure                             | Conforms to Structure                             |



John Su  
QA & QC Manager