

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-01-12 11:49:30

Date of Next Testing: 2028-01-11 11:49:30

Product Name: **Fmoc-Asn-OH**

CAS Number: 71989-16-7

Specifications & Purity:  $\geq 98\%$

Lot #: A2408831

SKU #: **F113136**

Version: **1**

Analysis #: **298616**

Storage Temperature: Room temperature

| Parameter                                               | Limit Values              | Result                    |
|---------------------------------------------------------|---------------------------|---------------------------|
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in DMF})$ | -14--11 (°)               | -12.05800 °               |
| Melting point                                           | 175-195 (°C)              | 185.86000 °C              |
| Purity(Neutralization titration)                        | 98-102 (%)                | 100.86000 %               |
| Purity(HPLC)                                            | 98-100 (%)                | 98.17800 %                |
| Appearance (F113136)                                    | White to Off-White Powder | White to Off-White Powder |
| Proton NMR spectrum                                     | Conforms to structure     | Conforms to Structure     |



John Su  
QA & QC Manager