

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-05-02 11:42:37

Date of Next Testing: 2026-05-01 11:42:37

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

CAS Number: 71989-16-7

Specifications & Purity: $\geq 98\%$

Lot #: D2228083

SKU # **F113136**Version **1**Analysis #: **080073**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	175-195 (°C)	181.28000 °C
Purity(Neutralization titration)	98-102 (%)	98.16000 %
Purity(HPLC)	98-100 (%)	98.17700 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in DMF})$	-14--11 (°)	-11.13000 °
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