

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-06 16:07:10
 Date of Next Testing: 2026-12-05 16:07:10
 Product Name: **Fmoc-D-Ala-OH**
 CAS Number: 79990-15-1
 Specifications & Purity: $\geq 98\%$
 Lot #: K2230978
 SKU #: **F116765**
 Version: **1**
 Analysis #: **139377**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.64600 %
Water by Karl Fischer	0-7 (%)	2.63000 %
Melting point	153-157 (°C)	153.22000 °C
Purity(Neutralization titration)	98-100 (%)	99.20800 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in DMF})$	17-21 (°)	20.57000 °
Appearance (F116765)	white powder	White powder
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager