

Certificate of Analysis

Date of Testing: 2023-03-13 09:28:16

Date of Next Testing: 2027-03-12 09:28:16

Product Name: **Fmoc-L-aspartic acid β -benzyl ester**

CAS Number: 86060-84-6

Specifications & Purity: 99%

Lot #: G1210049

SKU #: **F111051**

Analysis: **197745**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.11200 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in DMF})$ -22--18 (°)		-20.20 °
Melting point	120-130 (°C)	125.10000 °C
Water by Karl Fischer	0-1 (%)	0.50 %
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Appearance(F111051)	White to Almost white powder to crystal	White to Almost white powder to crystal



John Su
QA & QC Manager