

Certificate of Analysis

Date of Testing: 2023-03-22 11:50:52

Date of Next Testing: 2027-03-21 11:50:52

Product Name: **Fmoc-N-methyl-L-aspartic acid 4-tert-butyl ester**

CAS Number: 152548-66-8

Specifications & Purity: 98%

Lot #: K2310038

SKU #: **F117111**

Analysis: **196461**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	3-3.6 (%)	3.30 %
Purity(HPLC)	98-100 (%)	98.59200 %
Carbon by Elemental Analysis	65.4-70.1 (%)	66.70 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in-47--31 } ^\circ \text{ DMF})$		-37.19 °
Appearance (F117111)	White to Yellow to Light Brown Powder or Crystals	White to Yellow to Light Brown Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager