

Certificate of Analysis

Date of Testing: 2022-02-23 16:56:08
Date of Next Testing: 2026-02-22 16:56:08
Product Name: **N-Fmoc-L-glutamic acid 5-methyl ester**
CAS Number: 145038-50-2
Specifications & Purity: $\geq 97.0\%$
Lot #: D1823053
SKU #: **F140154**
Analysis: **077263**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=2 \text{ in MeOH})}$	-15--9 ($^{\circ}$)	-12.03 $^{\circ}$
Purity	97-100 (%)	98.72 %
Appearance (F140154)	white powder or solid	white powder or solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager