

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-23 13:36:33
 Date of Next Testing: 2026-12-23 13:36:33
 Product Name: **N-(9-Fmoc)-L-glutamic acid γ -tert-butyl ester monohydrate**
 CAS Number: 204251-24-1
 Specifications & Purity: $\geq 98\%$
 Lot #: G1521078
 SKU #: **F132953**
 Version: **0**
 Analysis #: **432347**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 80\% \text{AcOH})$	-6.5--3.5 (°)	-4.48700 °
Purity(HPLC)	98-100 (%)	100.00000 %
Water by Karl Fischer	0-5 (%)	4.98000 %
Appearance (F132953)	white powder and/or lumps	white powder and/or lumps
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager