

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-12 10:00:38
 Date of Next Testing: 2027-12-11 10:00:38
 Product Name: **N-Boc-L-glutamic acid 5-tert-butyl ester**
 CAS Number: 13726-84-6
 Specifications & Purity: $\geq 98\%$
 Lot #: D1615091
 SKU #: **B105761**
 Version: **0**
 Analysis #: **303195**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$	-10.5--8.5 (°)	-10.50000 °
Melting point	110-112 (°C)	111.00000 °C
Purity(HPLC) (sum of enantiomers)	98-100 (%)	98.30000 %
Appearance (B105761)	white powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager