

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-25 11:09:21

Date of Next Testing: 2027-09-24 11:09:21

Product Name: **Boc-Trp-OH**

CAS Number: 13139-14-5

Specifications & Purity: $\geq 98\%$

Lot #: I2319061

SKU # **B111757**

Version **1**

Analysis #: **076862**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Neutralization titration)	98-100 (%)	99.94000 %
Purity(HPLC)	98-100 (%)	98.77100 %
Water by Karl Fischer	0-1 (%)	0.98300 %
Melting point	132-138 (°C)	137.58000 °C
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in DMF})$	-23--18 (°)	-18.43500 °
Appearance (B111757)	white powder	White powder
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager