

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-03 09:11:31
 Date of Next Testing: 2027-04-02 09:11:31
 Product Name: **Boc-4-Chloro-D-Phe-OH**
 CAS Number: 57292-44-1
 Specifications & Purity: $\geq 97\%$
 Lot #: C2310844
 SKU #: **B117073**
 Version: **0**
 Analysis #: **214265**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in Ethyl Acetate})$	-26--22 ($^{\circ}$)	-23.63000 $^{\circ}$
Melting point	108-112 ($^{\circ}\text{C}$)	110.36000 $^{\circ}\text{C}$
Purity(HPLC)	97-100 (%)	98.24000 %
Purity(Neutralization titration)	96.5-103.5 (%)	97.36000 %
Appearance (B117073)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager