

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-16 19:03:18

Date of Next Testing: 2027-03-15 19:03:18

Product Name: **Boc-D-Val-OH**

CAS Number: 22838-58-0

Specifications & Purity: $\geq 98\%$

Lot #: C2310708

SKU #: **B109110**

Version: **1**

Analysis #: **201091**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in AcOH})$	5.5-7.5 ($^{\circ}$)	5.50500 $^{\circ}$
Purity(HPLC)	98-100 (%)	98.63200 %
Water by Karl Fischer	0-0.5 (%)	0.19000 %
Appearance (B109110)	white powder	White powder
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager