

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-20 15:41:48

Date of Next Testing: 2026-07-19 15:41:48

Product Name: **N-Carbobenzyloxy-L-valine**

CAS Number: 1149-26-4

Specifications & Purity: $\geq 99\%$

Lot #: J1423009

SKU #: **C105462**

Version: **1**

Analysis #: **115479**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.30000 %
Melting point	59-62 (°C)	60.33000 °C
Sulfate Ash	0-0.2 (%)	0.10000 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in AcOH})$	-4.9--3.3 (°)	-3.40000 °
Purity(Neutralization titration)	98.5-101.5 (%)	99.21000 %
Appearance (C105462)	white powder	White powder
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager