

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-02 18:53:18

Date of Next Testing: 2026-11-01 18:53:18

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

CAS Number: 1149-26-4

Specifications & Purity: $\geq 99\%$

Lot #: K2201372

SKU #: **C105462**

Version: **1**

Analysis #: **116075**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.36000 %
Sulfate Ash	0-0.2 (%)	0.17000 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in AcOH})$	-4.9--3.3 (°)	-3.78100 °
Purity(Neutralization titration)	98.5-101.5 (%)	100.66000 %
Melting point	59-62 (°C)	61.84000 °C
Appearance (C105462)	white powder	White powder
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager