

## Certificate of Analysis

Date of Testing: 2022-11-02 19:09:46  
Date of Next Testing: 2026-11-01 19:09:46  
Product Name: **N-Carbobenzyloxy-L-valine**  
CAS Number: 1149-26-4  
Specifications & Purity: 99%  
Lot #: K2201330  
SKU #: **C105462**  
Analysis: **116075**

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.36 %
Sulfate Ash	0-0.2 (%)	0.17 %
Specific Rotation [α] <sub>20</sub> /D(c=2 in AcOH)	-4.9--3.3 (°)	-3.78 °
Purity(Neutralization titration)	98.5-101.5 (%)	100.66 %
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