

## Certificate of Analysis

Date of Testing: 2022-01-27 16:29:52  
Date of Next Testing: 2026-01-26 16:29:52  
Product Name: **N-Carbobenzoxy-DL-valine**  
CAS Number: 3588-63-4  
Specifications & Purity: >99.0%(T)  
Lot #: D23231290  
SKU #: **N159600**  
Analysis: **070841**

Parameter	Limit Values	Result
Melting point	76-80 (°C)	76.78000 °C
Purity(NonaqueousTitration)	98.5-101.5 (%)	99.82 %
Appearance (N159600)	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