

Certificate of Analysis

Date of Testing: 2022-01-19 14:23:25
Date of Next Testing: 2024-01-19 14:23:25
Product Name: **N-Carbobenzoxy-D-serine**
CAS Number: 6081-61-4
Specifications & Purity: $\geq 98.0\%$
Lot #: D2315422
SKU #: **I135649**
Analysis: **068083**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20}^D(c=6 \text{ in AcOH})$	-7--5 ($^{\circ}$)	-5.75 $^{\circ}$
Melting point	117-120 ($^{\circ}\text{C}$)	118.04000 $^{\circ}\text{C}$
Purity(Neutralization titration)	97.5-102.5 (%)	97.83 %
Appearance (I135649)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager