

## Certificate of Analysis

Date of Testing: 2024-01-25 09:14:47  
Date of Next Testing: 2027-01-24 09:14:47  
Product Name: (S)-2-(((Benzyloxy)carbonyl)amino)pent-4-enoic acid  
CAS Number: 78553-51-2  
Specifications & Purity: 97%  
Lot #: A2419654  
SKU #: S195062  
Analysis: 167154

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$	11-15 ( $^{\circ}$ )	14.34 $^{\circ}$
Purity	98-100 (%)	97.01%
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager