

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-01-26 17:24:13  
Date of Next Testing: 2027-01-25 17:24:13  
Product Name: (S)-2-(((Benzyloxy)carbonyl)amino)pent-4-enoic acid  
CAS Number: 78553-51-2  
Specifications & Purity: 97%  
Lot #: A2419652  
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

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager