

## Certificate of Analysis

Date of Testing: 2024-07-31 15:08:54  
Date of Next Testing: 2027-07-31 15:08:54  
Product Name: **Benzyl (S)-(-)-2-(1-pyrrolidinylcarbonyl)-1-pyrrolidinecarboxylate**  
CAS Number: 50888-84-1  
Specifications & Purity: 97%  
Lot #: G2424139  
SKU #: **B170664**  
Version: **1**  
Analysis #: **347557**  
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	97-100 (%)	98.20%
Specific rotation $[\alpha]_{20/D}(C=1.6\%, \text{methanol})$	-15~-11 ( $^{\circ}$ )	-13.15300 $^{\circ}$
NMR Spectrum 1H	Conforms to structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager