

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-22 18:07:21  
Date of Next Testing: 2025-12-21 18:07:21  
Product Name: **N-Cbz-cis-4-Hydroxy-L-proline methyl ester**  
CAS Number: 57653-35-7  
Specifications & Purity: 97%  
Lot #: L2214337  
SKU #: **I171068**  
**Analysis:** **153719**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
specific rotation [ $\alpha$ ] <sub>20/D</sub> (C=1%, in CDC13)	-24~-16 (°)	-20.04100°
Purity(GC)	97-100 (%)	98.40%
Appearance(I171068)	White to Off-White Powder or Crystalline Powder	White to Off-White Powder or Crystalline Powder
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager