

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-07 09:44:22
 Date of Next Testing: 2027-01-06 09:44:22
 Product Name: (S)-(+)-1-Cbz-3-aminopyrrolidine
 CAS Number: 122536-72-5
 Specifications & Purity: ≥97%
 Lot #: L2206141
 SKU #: C121657
 Version: 0
 Analysis #: 176037
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=1 in MeOH)	2-4 (°)	2.36000 °
Purity(Titration by HClO ₄)	96.5-103.5 (%)	96.58000 %
Purity(GC)	97-100 (%)	97.26000 %
Appearance (C121657)	Colorless to tan liquid	Colorless to tan liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager