

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-01-21 14:38:56

Date of Next Testing: 2026-01-20 14:38:56

Product Name: (S)-(+)-1-Cbz-3-aminopyrrolidine

CAS Number: 122536-72-5

Specifications & Purity: ≥97%

Lot #: C1411046

SKU #: C121657

Version: 0

Analysis #: 068956

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=1 in MeOH)	2-4 (°)	2.37000 °
Purity(Titration by HClO ₄)	96.5-103.5 (%)	96.59000 %
Purity(GC)	97-100 (%)	97.27000 %
Appearance (C121657)	Colorless to tan liquid	Colorless to tan liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager