

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-13 15:45:49
 Date of Next Testing: 2029-10-12 15:45:49
 Product Name: (R)-(-)-1,2,3,4-Tetrahydro-1-naphthylamine
 CAS Number: 23357-46-2
 Specifications & Purity: $\geq 99\%$, $\geq 98\%$ (ee)
 Lot #: L2121278
 SKU #: T113722
 Version: 0
 Analysis #: 586432
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.44000 %
Enantiometric Excess	98-100 (%)	99.00000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in CHCL}_3)$	-41--35 (°)	-37.60000 °
Appearance (T113722)	colorless to brown liquid	colorless to brown liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager