

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-05-12 18:34:02

Date of Next Testing: 2030-05-11 18:34:02

Product Name: (R)-(-)-1,2,3,4-Tetrahydro-1-naphthylamine

CAS Number: 23357-46-2

Specifications & Purity: $\geq 99\%$, $\geq 98\%$ (ee)

Lot #: E2608052

SKU #: T113722

Version: 0

Analysis #: 705687

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