

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-30 13:39:50
Date of Next Testing: 2028-10-29 13:39:50
Product Name: (S)-(-)-1-(1-Naphthyl)ethylamine
CAS Number: 10420-89-0
Specifications & Purity: $\geq 99\%$
Lot #: J2424869
SKU #: N122375
Version: 1
Analysis #: 345622
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.60 %
Enantiometric Excess	98-100 (%)	98.20 %
Purity(Titration by HClO ₄)	98.5-101.5 (%)	99.56 %
Density (20°C)	1.066-1.069	1.07
Refractive index n ₂₀ /D	1.621-1.624	1.62
Specific Rotation [α] ₂₀ /D(c=Neat)	-82--79 (°)	-79.80°
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Appearance (N122375)	colorless to yellow to brown liquid	colorless to yellow to brown liquid



John Su
QA & QC Manager