

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-07-20 14:33:06
Date of Next Testing:	2027-07-19 14:33:06
Product Name:	<b>(S)-(-)-1-(1-Naphthyl)ethylamine</b>
CAS Number:	10420-89-0
Specifications & Purity:	99%
Lot #:	G23131071
SKU #	<b>N122375</b>
<b>Analysis:</b>	<b>213222</b>
Storage Temperature:	Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(Titration by HClO <sub>4</sub> )	98.5-101.5 (%)	100.58 %
Density (20°C)	1.066-1.069	1.07
Refractive index n <sub>20</sub> /D	1.621-1.624	1.62
Enantiometric Excess	98-100 (%)	99.52 %
Specific Rotation [α] <sub>20</sub> /D(c=Neat)	-82--79 (°)	-81.56 °
Purity(GC)	99-100 (%)	99.26 %
Appearance (N122375)	colorless to yellow to brown liquid	colorless to yellow to brown liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager