

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-12 15:58:22
 Date of Next Testing: 2027-04-11 15:58:22
 Product Name: (±)-sec-Butylamine
 CAS Number: 13952-84-6
 Specifications & Purity: ≥99%
 Lot #: F1921201
 SKU #: B105239
 Version: 1
 Analysis #: 210038
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.14900 %
Refractive index n ₂₀ /D	1.392-1.396	1.39500
Density (20°C)	0.72-0.725	0.72200
Water by Karl Fischer	0-0.5 (%)	0.31000 %
Appearance (B105239)	Colorless to yellow brown liquid	Colorless to yellow brown liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager