

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-14 17:53:08

Date of Next Testing: 2027-03-13 17:53:08

Product Name: ($\pm$)-sec-Butylamine

CAS Number: 13952-84-6

Specifications & Purity: $\geq 99\%$

Lot #: C2309048

SKU #: B105239

Version: 1

Analysis #: 004035

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.99200 %
Refractive index n ₂₀ /D	1.392-1.396	1.39310
Water by Karl Fischer	0-0.5 (%)	0.25670 %
Density (20°C)	0.72-0.725	0.72100
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