

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-19 13:47:24
 Date of Next Testing: 2026-09-18 13:47:24
 Product Name: **N-Boc-1,4-butanediamine**
 CAS Number: 68076-36-8
 Specifications & Purity: $\geq 97\%$
 Lot #: I2209192
 SKU #: **B102317**
 Version: **0**
 Analysis #: **114615**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.457-1.46	1.45800
Purity	97-100 (%)	99.80900 %
Density (20°C)	0.984-0.988	0.98600
Purity(Nonaqueous Titration)	96.5-103.5 (%)	99.39000 %
Appearance (B102317Color)	Colorless to light yellow	Colorless to light yellow
Appearance (B102317Form)	Solid or Liquid	Solid or Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager