

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-10 08:46:56

Date of Next Testing: 2026-08-09 08:46:56

Product Name: **N,N-Dibutylethanolamine**

CAS Number: 102-81-8

Specifications & Purity:  $\geq 99\%$

Lot #: G2328027

SKU #: **N164464**

Version: **0**

Analysis #: **103385**

Storage Temperature: Room temperature

| Parameter            | Limit Values                     | Result                           |
|----------------------|----------------------------------|----------------------------------|
| Purity(GC)           | 99-100 (%)                       | 99.87500 %                       |
| Appearance (N164464) | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Proton NMR spectrum  | Conforms to Structure            | Conforms to Structure            |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager