

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-09 16:24:29

Date of Next Testing: 2026-12-08 16:24:29

Product Name: **N,N-Dibutylethylenediamine**

CAS Number: 3529-09-7

Specifications & Purity: >98.0%(GC)

Lot #: L2205341

SKU #: **N159354**

**Analysis:** **143555**

Storage Temperature: Argon charged

| Parameter            | Limit Values                               | Result                                     |
|----------------------|--------------------------------------------|--------------------------------------------|
| Purity(GC)           | 98-100 (%)                                 | 98.69 %                                    |
| Appearance (N159354) | Colorless to light yellow to orange liquid | Colorless to light yellow to orange 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