

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-19 15:18:15

Date of Next Testing: 2026-10-18 15:18:15

Product Name: **N-Benzylethylenediamine**

CAS Number: 4152-09-4

Specifications & Purity:  $\geq 98\%$

Lot #: A1513029

SKU #: **B124211**

Version: **0**

Analysis #: **145934**

Storage Temperature: Protected from light, Room temperature, Argon charged

| Parameter                               | Limit Values               | Result                     |
|-----------------------------------------|----------------------------|----------------------------|
| Refractive index n <sub>20</sub> /D     | 1.538-1.542                | 1.53900                    |
| Purity(GC)                              | 98-100 (%)                 | 98.13600 %                 |
| Density (20°C)                          | 0.997-1.001                | 0.99900                    |
| Purity(Titration by HClO <sub>4</sub> ) | 97.5-102.5 (%)             | 98.18600 %                 |
| Appearance (B124211)                    | Colorless to Yellow Liquid | Colorless to Yellow Liquid |
| Infrared spectrum                       | Conforms to Structure      | Conforms to Structure      |
| Proton NMR spectrum                     | Conforms to Structure      | Conforms to Structure      |



John Su  
QA & QC Manager