

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-04-16 14:49:16

Date of Next Testing: 2030-04-15 14:49:16

Product Name: **Diethanolamine(DEA)**

CAS Number: 111-42-2

Specifications & Purity: ACS, ≥99%(GC)

Lot #: C2631173

SKU #: **D112361**

Version: **0**

Analysis #: **677174**

Storage Temperature: Room temperature,Argon charged

| Parameter                                                                       | Limit Values                    | Result                          |
|---------------------------------------------------------------------------------|---------------------------------|---------------------------------|
| Refractive index n <sub>20</sub> /D                                             | 1.474-1.479                     | 1.47790                         |
| Ignition Residue                                                                | 0-0.005 (%)                     | 0.00000 %                       |
| Purity(GC)                                                                      | 99-100 (%)                      | 99.75000 %                      |
| Water by Karl Fischer                                                           | 0-0.15 (%)                      | 0.10340 %                       |
| Appearance (D112361)                                                            | white solid or colorless liquid | white solid or colorless liquid |
| Infrared spectrum                                                               | Conforms to Structure           | Conforms to Structure           |
| Solubility in H <sub>2</sub> O , Colorless ,Clear ,50 mg/mL in H <sub>2</sub> O | pass                            | Pass                            |



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QA & QC Manager