

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2025-07-01 19:00:38

Date of Next Testing: 2029-06-30 19:00:38

Product Name: **N,N-Dimethylethylenediamine (DMEN)**

CAS Number: 108-00-9

Specifications & Purity:  $\geq 98\%$

Lot #: F2527067

SKU #: **D105347**

Version: **1**

Analysis #: **351081**

Storage Temperature: Room temperature, Argon charged

| Parameter                          | Limit Values                                  | Result                                        |
|------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Density (20°C)                     | 0.807-0.811                                   | 0.80800                                       |
| Water by Karl Fischer              | 0-1 (%)                                       | 0.13400 %                                     |
| Purity(GC)                         | 98-100 (%)                                    | 98.74000 %                                    |
| Refractive index n <sub>20/D</sub> | 1.424-1.429                                   | 1.42640                                       |
| Appearance (D105347)               | Clear Colorless to Very Faint Greenish-Yellow | Clear Colorless to Very Faint Greenish-Yellow |
|                                    | Liq                                           | Liq                                           |
| Infrared spectrum                  | Conforms to Structure                         | Conforms to Structure                         |
| Proton NMR spectrum                | Conforms to Structure                         | Conforms to Structure                         |



John Su  
QA & QC Manager