

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-03-05 13:49:37

Date of Next Testing: 2026-03-04 13:49:37

Product Name: **N,N-Diethylformamide (DEF)**

CAS Number: 617-84-5

Specifications & Purity:  $\geq 99\%$

Lot #: C2202394

SKU #: **D102964**

Version: **0**

Analysis #: **072962**

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

| Parameter                           | Limit Values                     | Result                           |
|-------------------------------------|----------------------------------|----------------------------------|
| Purity(GC)                          | 99-100 (%)                       | 99.94500 %                       |
| Refractive index n <sub>20</sub> /D | 1.433-1.436                      | 1.43490                          |
| Density (20°C)                      | 0.906-0.908                      | 0.90700                          |
| Appearance (D102964)                | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Infrared spectrum                   | Conforms to Structure            | Conforms to Structure            |



John Su  
QA & QC Manager