

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-25 10:45:16  
 Date of Next Testing: 2029-08-24 10:45:16  
 Product Name: **N,N-Dimethylformamide (DMF)**  
 CAS Number: 68-12-2  
 Specifications & Purity:  $\geq 99.9\%$ (GC)  
 Lot #: H2519135  
 SKU #: **D112000**  
 Version: **2**  
 Analysis #: **563963**  
 Storage Temperature: Room temperature

| Parameter                          | Limit Values                    | Result                          |
|------------------------------------|---------------------------------|---------------------------------|
| Electric Conductivity              | 0-2 ( $\mu\text{S}/\text{cm}$ ) | 0.00000 $\mu\text{S}/\text{cm}$ |
| Color Test                         | 0-10                            | 7.00000                         |
| Acidity                            | 0-10 (ppm)                      | 3.50000 ppm                     |
| Water by Karl Fischer              | 0-500 (ppm)                     | 232.00000 ppm                   |
| Refractive index n <sub>20/D</sub> | 1.428-1.432                     | 1.43050                         |
| Iron(Fe)                           | 0-0.05 (ppm)                    | 0.00000 ppm                     |
| Purity(GC)                         | 99.9-100 (%)                    | 99.91400 %                      |
| Methanol(CH <sub>3</sub> OH)       | 0-20 (ppm)                      | 0.00000 ppm                     |
| Alkalinity                         | 0-5 (ppm)                       | 0.00000 ppm                     |
| PH (20%, water) 25 °C              | 6.5-8                           | 7.50000                         |
| Appearance (D112000)               | Colorless Liquid                | Colorless liquid                |



John Su  
QA & QC Manager