

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-08-30 15:26:58  
Date of Next Testing: 2024-08-19 15:26:58  
Product Name: **N,N-Dimethylformamide**  
CAS Number: 68-12-2  
Specifications & Purity: for HPLC,  $\geq 99.9\%$   
Lot #: H2215159  
SKU #: **D112002**  
**Analysis:** **101960**  
Storage Temperature: Argon charged

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| Refractive index n <sub>20</sub> /D | 1.428-1.432           | 1.43                  |
| UV Absorbance 275nm                 | 0-0.3                 | 0.23                  |
| UV Absorbance 310nm                 | 0-0.05                | 0.03                  |
| UV Absorbance 400nm                 | 0-0.01                | 0.00                  |
| UV Absorbance 270nm                 | 0-1                   | 0.59                  |
| UV Absorbance 340nm                 | 0-0.01                | 0.01                  |
| Evaporation Residue                 | 0-0.0005 (%)          | 0.00 %                |
| UV Absorbance 295nm                 | 0-0.1                 | 0.07                  |
| Purity(GC)                          | 99.9-100 (%)          | 99.96 %               |
| Water by Karl Fischer               | 0-0.03 (%)            | 0.03 %                |
| Appearance (D112002)                | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum                   | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager