

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-04-21 13:58:46  
 Date of Next Testing: 2026-04-21 13:58:46  
 Product Name: **N,N-Dimethylformamide (DMF)**  
 CAS Number: 68-12-2  
 Specifications & Purity: UltraPureChrom™, for GC-HS, ≥99.9%(GC)  
 Lot #: D2517428  
 SKU #: **D112008**  
 Version: **0**  
 Analysis #: **496085**  
 Storage Temperature: Room temperature

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| Purity(GC)                          | 99.9-100 (%)          | 99.99000 %            |
| Water by Karl Fischer               | 0-0.03 (%)            | 0.00430 %             |
| Absorbance (at 270 nm)              | 0-0.7                 | 0.49400               |
| UV Absorbance 320nm                 | 0-0.022               | 0.00000               |
| UV Absorbance 300nm                 | 0-0.07                | 0.00800               |
| UV Absorbance 275nm                 | 0-0.25                | 0.17300               |
| Refractive index n <sub>20</sub> /D | 1.429-1.431           | 1.43067               |
| Appearance (D112008)                | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum                   | Conforms to Structure | Conforms to Structure |
| Test by UV Spectroscopy(190-268 nm) | Cut-Off               | cut-off               |
| Residual Solvents(GC-HS)            | Suitable for GC-HS    | Suitable for GC-HS    |



John Su  
QA & QC Manager