

## Certificate of Analysis

Date of Testing: 2023-04-09 17:29:06  
Date of Next Testing: 2025-03-29 17:29:06  
Product Name: **N,N-Dimethylformamide**  
CAS Number: 68-12-2  
Specifications & Purity: for HPLC,  $\geq 99.9\%$   
Lot #: D2303780  
SKU #: **D112002**  
**Analysis:** **204273**  
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                 | 0.22                  |
| UV Absorbance 310nm                 | 0-0.05                | 0.02                  |
| UV Absorbance 400nm                 | 0-0.01                | 0.00                  |
| Purity(GC)                          | 99.9-100 (%)          | 99.97 %               |
| UV Absorbance 270nm                 | 0-1                   | 0.53                  |
| UV Absorbance 340nm                 | 0-0.01                | 0.00                  |
| Water by Karl Fischer               | 0-0.03 (%)            | 0.01 %                |
| Evaporation Residue                 | 0-0.0005 (%)          | 0.00 %                |
| UV Absorbance 295nm                 | 0-0.1                 | 0.07                  |
| Appearance (D112002)                | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum                   | Conforms to Structure | Conforms to Structure |



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QA & QC Manager