

## Certificate of Analysis

Date of Testing: 2025-01-18 16:41:45

Date of Next Testing: 2026-01-18 16:41:45

Product Name: **N,N-Dimethylformamide**

CAS Number: 68-12-2

Specifications & Purity: UltraPureChrom™, for GC-HS, ≥99.9%(GC)

Lot #: A2515367

SKU #: **D112008**

Version: **0**

Analysis #: **455282**

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| Purity(GC)                          | 99.9-100 (%)          | 99.95 %               |
| Water by Karl Fischer               | 0-0.03 (%)            | 0.00 %                |
| UV Absorbance 270nm                 | 0-0.7                 | 0.47                  |
| UV Absorbance 320nm                 | 0-0.022               | 0.00                  |
| UV Absorbance 300nm                 | 0-0.07                | 0.02                  |
| UV Absorbance 275nm                 | 0-0.25                | 0.18                  |
| Refractive index n20/D              | 1.429-1.431           | 1.43                  |
| 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