

Certificate of Analysis

Date of Testing: 2022-05-17 14:20:20
Date of Next Testing: 2023-05-17 14:20:20
Product Name: **N,N-Dimethylformamide**
CAS Number: 68-12-2
Specifications & Purity: for GC-HS, $\geq 99.9\%$ (GC)
Lot #: E2211256
SKU #: **D112008**
Analysis: **088366**

| Parameter | Limit Values | Result |
|-------------------------------------|-----------------------|-----------------------|
| Purity(GC) | 99.9-100 (%) | 99.92% |
| Water by Karl Fischer | 0-0.03 (%) | 0.01% |
| UV Absorbance 270nm | 0-0.7 | 0.52 |
| UV Absorbance 320nm | 0-0.022 | 0.02 |
| UV Absorbance 300nm | 0-0.07 | 0.06 |
| UV Absorbance 275nm | 0-0.25 | 0.22 |
| Refractive index n ₂₀ /D | 1.429-1.431 | 1.43 |
| Appearance (D112008) | Colorless Liquid | Colorless liquid |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Residual Solvents(GC-HS) | Suitable for GC-HS | Suitable for GC-HS |
| Test by UV Spectroscopy(190-268 nm) | Cut-Off | cut-off |



John Su
QA & QC Manager