

## Certificate of Analysis

Date of Testing: 2024-12-14 13:52:30  
Date of Next Testing: 2028-12-13 13:52:30  
Product Name: **N,N-Dimethylformamide**  
CAS Number: 68-12-2  
Specifications & Purity:  $\geq 99.9\%$ (GC)  
Lot #: L2405126  
SKU #: **D112000**  
Version: **2**  
Analysis #: **450606**

| Parameter                           | Limit Values                    | Result                       |
|-------------------------------------|---------------------------------|------------------------------|
| Electric Conductivity               | 0-2 ( $\mu\text{S}/\text{cm}$ ) | 1.00 $\mu\text{S}/\text{cm}$ |
| Color Test                          | 0-10                            | 5.00                         |
| Acidity                             | 0-10 (ppm)                      | 8.00 ppm                     |
| Water by Karl Fischer               | 0-500 (ppm)                     | 140.00 ppm                   |
| Refractive index n <sub>20</sub> /D | 1.428-1.432                     | 1.43                         |
| Iron(Fe)                            | 0-0.05 (ppm)                    | 0.00 ppm                     |
| Purity(GC)                          | 99.9-100 (%)                    | 99.90 %                      |
| Methanol(CH <sub>3</sub> OH)        | 0-20 (ppm)                      | 0.00 ppm                     |
| Alkalinity                          | 0-5 (ppm)                       | 0.00 ppm                     |
| PH (20%, water) 25 ° C              | 6.5-8                           | 7.20000                      |
| Appearance (D112000)                | Colorless Liquid                | Colorless liquid             |



John Su  
QA & QC Manager