

## Certificate of Analysis

Date of Testing: 2022-10-12 14:47:27  
Date of Next Testing: 2026-10-11 14:47:27  
Product Name: **N,N-Dimethylformamide**  
CAS Number: 68-12-2  
Specifications & Purity: >99.9% (GC)  
Lot #: J2209294  
SKU #: **D112000**  
Analysis: **142932**

| Parameter                           | Limit Values                    | Result                       |
|-------------------------------------|---------------------------------|------------------------------|
| Electric Conductivity               | 0-2 ( $\mu\text{S}/\text{cm}$ ) | 1.00 $\mu\text{S}/\text{cm}$ |
| Color Test                          | 0-10                            | 10.00                        |
| Acidity                             | 0-10 (ppm)                      | 8.23 ppm                     |
| Water by Karl Fischer               | 0-500 (ppm)                     | 230.00 ppm                   |
| Refractive index n <sub>20</sub> /D | 1.428-1.432                     | 1.43                         |
| Iron(Fe)                            | 0-0.05 (ppm)                    | 0.04 ppm                     |
| Purity(GC)                          | 99.9-100 (%)                    | 99.97%                       |
| Distillation range                  | 0-2 ( $^{\circ}\text{C}$ )      | 1.00 $^{\circ}\text{C}$      |
| Methanol(CH <sub>3</sub> OH)        | 0-20 (ppm)                      | 18.23 ppm                    |
| Alkalinity                          | 0-5 (ppm)                       | 2.31 ppm                     |
| PH                                  | 6.5-8                           | 7.10                         |
| Appearance (D112000)                | Colorless Liquid                | Colorless liquid             |



John Su  
QA & QC Manager