

## Certificate of Analysis

Date of Testing: 2023-11-15 14:13:09  
Date of Next Testing: 2027-11-14 14:13:09  
Product Name: **N,N-Dimethylformamide**  
CAS Number: 68-12-2  
Specifications & Purity: 99.9%  
Lot #: K2313108  
SKU #: **D301788**  
Analysis: **291743**

| Parameter                    | Limit Values          | Result                |
|------------------------------|-----------------------|-----------------------|
| Water by Karl Fischer        | 0-300 (ppm)           | 50.00 ppm             |
| Methanol(CH <sub>3</sub> OH) | 0-50 (ppm)            | 0.00 ppm              |
| PH                           | 6.5-8                 | 6.60                  |
| Color test (APHA)            | 0-10 (APHA)           | 3.00 APHA             |
| Basicity (as dimethylamine ) | 0-10 (ppm)            | 1.00 ppm              |
| Acidity                      | 0-10 (ppm)            | 6.40 ppm              |
| Purity(GC)                   | 99.9-100 (%)          | 99.98 %               |
| Electric Conductivity        | 0-2 (μS/cm)           | 0.08 μS/cm            |
| Iron(Fe)                     | 0-0.05 (ppm)          | 0.02 ppm              |
| Appearance (D301788)         | Colorless liquid      | Colorless liquid      |
| Infrared spectrum            | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager