

## Certificate of Analysis

Date of Testing: 2023-02-03 17:05:51  
Date of Next Testing: 2027-02-02 17:05:51  
Product Name: **N,N-Dimethylformamide**  
CAS Number: 68-12-2  
Specifications & Purity: >99.9% (GC)  
Lot #: A2331424  
SKU #: **D112000**  
Analysis: **182563**

Parameter	Limit Values	Result
Electric Conductivity	0-2 ( $\mu\text{S}/\text{cm}$ )	1.15 $\mu\text{S}/\text{cm}$
Color Test	0-10	3.84
Acidity	0-10 (ppm)	5.20 ppm
Water by Karl Fischer	0-500 (ppm)	0.03 ppm
Refractive index n <sub>20</sub> /D	1.428-1.432	1.43
Iron(Fe)	0-0.05 (ppm)	0.02 ppm
Purity(GC)	99.9-100 (%)	99.96 %
Distillation range	0-2 ( $^{\circ}\text{C}$ )	1.50 $^{\circ}\text{C}$
Methanol(CH <sub>3</sub> OH)	0-20 (ppm)	10.50 ppm
Alkalinity	0-5 (ppm)	1.95 ppm
PH	6.5-8	6.75
Appearance (D112000)	Colorless Liquid	Colorless liquid



John Su  
QA & QC Manager