

## Certificate of Analysis

Date of Testing: 2024-11-05 15:01:55  
Date of Next Testing: 2028-11-04 15:01:55  
Product Name: **N,N-Dimethylformamide**  
CAS Number: 68-12-2  
Specifications & Purity:  $\geq 99.9\%$  metals basis  
Lot #: J2425727  
SKU #: **D301788**  
Version: **1**  
Analysis #: **419223**

Parameter	Limit Values	Result
Water by Karl Fischer	0-300 (ppm)	60.00 ppm
PH	6.5-8	7.00
Color test (APHA)	0-10 (APHA)	3.00 APHA
Acidity	0-10 (ppm)	4.30 ppm
Electric Conductivity	0-2 ( $\mu\text{S}/\text{cm}$ )	0.08 $\mu\text{S}/\text{cm}$
Methanol(CH <sub>3</sub> OH)	0-50 (ppm)	50.00 ppm
Iron(Fe)	0-0.05 (ppm)	0.05 ppm
Basicity (as dimethylamine )	0-10 (ppm)	10.00 ppm
Purity(GC)	99.9-100 (%)	99.98 %
Appearance (D301788)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager