

## Certificate of Analysis

Date of Testing: 2022-11-21 15:44:53  
Date of Next Testing: 2024-11-10 15:44:53  
Product Name: **N,N-Dimethylformamide**  
CAS Number: 68-12-2  
Specifications & Purity: for HPLC,  $\geq 99.9\%$   
Lot #: K2210279  
SKU #: **D112002**  
**Analysis: 140542**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.428-1.432	1.43
UV Absorbance 275nm	0-0.3	0.24
UV Absorbance 310nm	0-0.05	0.03
UV Absorbance 400nm	0-0.01	0.00
Purity(GC)	99.9-100 (%)	99.93 %
UV Absorbance 270nm	0-1	0.60
UV Absorbance 340nm	0-0.01	0.00
Evaporation Residue	0-0.0005 (%)	0.00 %
UV Absorbance 295nm	0-0.1	0.07
Water by Karl Fischer	0-0.03 (%)	0.03 %
Appearance (D112002)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager