

## Certificate of Analysis

Date of Testing: 2022-10-31 11:16:05  
Date of Next Testing: 2026-10-30 11:16:05  
Product Name: **N,N-Dimethylformamide**  
CAS Number: 68-12-2  
Specifications & Purity: Analytical Reagent,99.5%  
Lot #: J2227097  
SKU #: **D111999**  
**Analysis: 097103**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
alkalinity(as OH <sup>-</sup> )	0-0.001 (mmol/g)	0.00 mmol/g
Purity(GC)	99.5-100 (%)	99.96 %
Color test (APHA)	0-10 (APHA)	0.00 APHA
Refractive index n <sub>20</sub> /D	1.428-1.432	1.43
Water by Karl Fischer	0-0.1 (%)	0.02 %
Evaporation Residue	0-0.005 (%)	0.00 %
Acidity(as H <sup>+</sup> )	0-1 (mmol/g)	0.00 mmol/g
Iron(Fe)	0-0.0005 (%)	0.00 %
Density	0.945-0.95 (g/ml)	0.95 g/ml
Appearance (D111999)	Colorless liquid	Colorless liquid



John Su  
QA & QC Manager