

## Certificate of Analysis

Date of Testing: 2022-10-21 17:24:10  
Date of Next Testing: 2026-10-20 17:24:10  
Product Name: **N-N-Dimethylacetamide**  
CAS Number: 127-19-5  
Specifications & Purity: for HPLC,  $\geq 99.8\%$ (GC)  
Lot #: J2219083  
SKU #: **D108095**  
**Analysis: 143092**  
Storage Temperature: Argon charged

| Parameter             | Limit Values          | Result                |
|-----------------------|-----------------------|-----------------------|
| UV Absorbance 310nm   | 0-0.05                | 0.03                  |
| UV Absorbance 320nm   | 0-0.03                | 0.02                  |
| Purity(GC)            | 99.8-100 (%)          | 99.84%                |
| Evaporation Residue   | 0-0.001 (%)           | 0.00%                 |
| UV Absorbance 400nm   | 0-0.01                | 0.00                  |
| UV Absorbance 360nm   | 0-0.01                | 0.00                  |
| UV Absorbance 270nm   | 0-1                   | 0.52                  |
| UV Absorbance 280nm   | 0-0.3                 | 0.14                  |
| UV Absorbance 290nm   | 0-0.15                | 0.09                  |
| Water by Karl Fischer | 0-0.03 (%)            | 0.01%                 |
| Density (20°C)        | 0.941-0.944           | 0.94                  |
| Appearance (D108095)  | Colorless liquid      | Colorless liquid      |
| Proton NMR spectrum   | Conforms to Structure | Conforms to Structure |
| Infrared spectrum     | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager