

## Certificate of Analysis

Date of Testing: 2023-05-06 17:28:13  
Date of Next Testing: 2025-04-25 17:28:13  
Product Name: **N-N-Dimethylacetamide**  
CAS Number: 127-19-5  
Specifications & Purity: Analytical Reagent,99.0%  
Lot #: E2305661  
SKU #: **D108096**  
Analysis: **218764**

| Parameter                     | Limit Values          | Result                |
|-------------------------------|-----------------------|-----------------------|
| Water by Karl Fischer         | 0-0.05 (%)            | 0.03%                 |
| Free acid                     | 0-0.001 (%)           | 0.00%                 |
| Ignition Residue (as sulfate) | 0-0.005 (%)           | 0.00%                 |
| Density (20°C)                | 0.9385-0.942          | 0.94                  |
| Purity(GC)                    | 99-100 (%)            | 99.87%                |
| Acidity(as H <sup>+</sup> )   | 0-0.0033 (mmol/g)     | 0.00 mmol/g           |
| Appearance (D108096)          | Colorless liquid      | Colorless liquid      |
| Boiling range,165-167°C (95%) | Conforms              | Conforms              |
| Infrared spectrum             | Conforms to Structure | Conforms to Structure |
| Miscibility                   | pass                  | Pass                  |
| Proton NMR spectrum           | Conforms to Structure | Conforms to Structure |



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QA & QC Manager