

## Certificate of Analysis

Date of Testing: 2022-08-15 10:47:09  
Date of Next Testing: 2026-08-14 10:47:09  
Product Name: **Dimethyl sulfoxide**  
CAS Number: 67-68-5  
Specifications & Purity: >99.8%(GC)  
Lot #: H2211115  
SKU #: **D103274**  
**Analysis:** **125245**  
Storage Temperature: Argon charged,Desiccated

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| Purity(GC)                          | 99.8-100 (%)          | 99.81%                |
| Refractive index n <sub>20</sub> /D | 1.477-1.48            | 1.48                  |
| Density (20°C)                      | 1.101-1.105           | 1.10                  |
| Water by Karl Fischer               | 0-0.1 (%)             | 0.08%                 |
| Acidity(as KOH)                     | 0-0.04 (mg/g)         | 0.03%                 |
| Evaporation Residue                 | 0-0.003 (%)           | 0.00%                 |
| Appearance (D103274)                | Colorless liquid      | Colorless liquid      |
| Infrared spectrum                   | Conforms to Structure | Conforms to Structure |



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QA & QC Manager