

Certificate of Analysis

Date of Testing: 2023-05-20 15:42:12
Date of Next Testing: 2027-05-19 15:42:12
Product Name: **Dimethyl sulfoxide**
CAS Number: 67-68-5
Specifications & Purity: for HPLC, $\geq 99.8\%$
Lot #: E2316467
SKU #: **D103273**
Analysis: **226328**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|---|---|---|
| Purity(GC) | 99.8-100 (%) | 99.95 % |
| UV Absorbance 270nm | 0-0.7 | 0.49 |
| Refractive index n ₂₀ /D | 1.477-1.48 | 1.48 |
| Density (20°C) | 1.099-1.103 | 1.10 |
| UV Absorbance 300nm | 0-0.1 | 0.10 |
| Evaporation Residue | 0-0.002 (%) | 0.00 % |
| UV Absorbance 280nm | 0-0.3 | 0.28 |
| Water by Karl Fischer | 0-0.2 (%) | 0.04 % |
| UV Absorbance 350nm | 0-0.01 | 0.00 |
| Appearance (D103273) | Colorless liquid or white lump or crystal | Colorless liquid or white lump or crystal |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in H ₂ O , 1%:100ml,clear colorless | Pass | Pass |



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