



**ChemPure\* Brand  
Chemicals**

August 26, 2021

...Pure Quality

CERTIFICATE OF ANALYSIS

**DIMETHYL SULFOXIDE (DMSO)**

Suitable for HPLC, GC, Spectrophotometry & Molecular Biology

*Syn: Methylsulfinylmethane, Methyl sulfoxide*

|                  |              |                   |                                    |
|------------------|--------------|-------------------|------------------------------------|
| Product Number : | CP-C9740     | Linear Formula:   | (CH <sub>3</sub> ) <sub>2</sub> SO |
| Lot Number:      | CDQ262CP     | Molecular Weight: | 78.13 g/mol                        |
| CAS Number       | 67-68-5      | EC Number :       | 200-664-3                          |
| MDL number:      | MFCD00002089 | Density:          | 1.10 g/cm <sup>3</sup>             |

ANALYSIS

| TEST                                    | SPECIFICATION                                   | RESULT      |
|---|---|-------------|
| Description                             | Clear colorless liquid free of suspended matter | Passes Test |
| Assay (by GC-FID) (Corrected for Water) | Min 99.5 %                                      | >99.99%     |
| ID by IR Spectroscopy                   | Passes Test                                     | Passes      |
| Water (by KF Coulometry)                | Max 0.05%                                       | 0.006%      |
| UV cut-off                              | Max 268 nm                                      | 262 nm      |
| Optical Absorbance at                   |   |             |
| 275 nm                                  | Max 0.50 AU                                     | 0.1556 AU   |
| 300 nm                                  | Max 0.20 AU                                     | 0.0441 AU   |
| 350 nm                                  | Max 0.02 AU                                     | 0.0043 AU   |
| 400 nm                                  | Max 0.005 AU                                    | 0.0008 AU   |
| Filtered through a 0.2 um filter        | Pass Test                                       | Passes      |

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SUPPORT@CHEMPUREBRAND.COM - WWW.CHEMPUREBRAND.COM

ChemPure Brand Chemicals • P: 440.725.2802 • F: 734.405.6623 • 39103 Warren Rd., Westland, MI 48185