



**ChemPure* Brand
Chemicals**

September 23, 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 ₃) ₂ SO
Lot Number:	CDX437CP	Molecular Weight:	78.13 g/mol
CAS Number	67-68-5	EC Number :	200-664-3
MDL number:	MFC00002089	Density:	1.10 g/cm ³

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%	0.009%
UV cut-off	Max 268 nm	262 nm
Optical Absorbance at		
275 nm	Max 0.50 AU	0.1631 AU
300 nm	Max 0.20 AU	0.0505 AU
350 nm	Max 0.02 AU	0.0008 AU
400 nm	Max 0.005 AU	0.0003 AU
Filtered through a 0.2 um filter	Pass Test	Passes

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