



**ChemPure* Brand
Chemicals**

July 13, 2020

...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:	C20J06CP	Molecular Weight:	78.13 g/mol
CAS Number	67-68-5	EC Number :	200-664-3
MDL number:	MFCD00002089	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 %	99.96%
ID by IR Spectroscopy	Passes Test	Passes
Residue after evaporation	Max 5 ppm	2 ppm
Water (by KF Coulometry)	Max 0.05%	0.02%
UV cut-off	Max 268 nm	262 nm
Optical Absorbance at		
268 nm	Max 1.00 AU	0.36 AU
270 nm	Max 0.40 AU	0.27 AU
280 nm	Max 0.30 AU	0.11 AU
290 nm	Max 0.15 AU	0.06 AU
300 nm	Max 0.10 AU	0.03 AU
310 nm	Max 0.06 AU	0.02 AU
330 nm	Max 0.02 AU	0.008 AU
350 nm	Max 0.01 AU	0.001 AU
400 nm	Max 0.01 AU	<0.001 AU
Filtered through a 0.2 um filter	Pass Test	Passes

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