

Dimethyl Sulfoxide  
Multi-Compendial  
(methyl sulfoxide)



Material No.: 9033-33

Revision No.: 0

## Product Specification

Meets B.P. Chemical Specifications, Meets U.S.P Requirements, Meets E.P. Chemical Specifications, GMP Manufactured Product

Test	Specification
USP - Identification A	Passes Test
USP - Identification B	Passes Test
USP - Specific Gravity at 25°/25°C	1.095 - 1.101
USP - Refractive Index, n <sup>25</sup> <sup>^</sup> D	1.4755 - 1.4775
USP - Acidity	Passes Test
USP - Water (H <sub>2</sub> O)	≤ 0.1 %
USP - Absorbance - 275 nm	≤ 0.20
USP - Absorbance - 270-350nm (smooth with no maxima)	Passes Test
USP - Absorbance Ratio - 285 nm/275 nm	≤ 0.65
USP - Absorbance Ratio - 295 nm/275 nm	≤ 0.45
USP - Nonvolatile Residue	≤ 0.01 %
USP - Related Compounds	≤ 0.1 %
USP - Assay ((CH <sub>3</sub> ) <sub>2</sub> SO)	≥ 99.9 %
EP - Identification	Passes Test
EP - Acidity	Passes Test
EP - Relative Density	1.100 - 1.104
EP - Refractive Index	1.478 - 1.480
EP - Freezing Point	≥ 18.3 °C
EP - Absorbance - 275 nm	≤ 0.30
EP - Absorbance - 285 nm	≤ 0.20
EP - Absorbance - 295 nm	≤ 0.20
EP - Absorbance - 270-350nm (smooth with no maxima)	Passes Test
EP - Related Substances: Unspecified impurities, Each	≤ 0.10 %
EP - Related Substances-Total Impurities	≤ 0.15 %
EP - Water (H <sub>2</sub> O)	≤ 0.2 %
Water (H <sub>2</sub> O), For Information Only	%

For questions on this Product Specification please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

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Test	Specification
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GMP Manufactured Product  
Bulk Pharmaceutical Chemical

CAUTION: For Manufacturing, processing or repackaging

No Class 1,2,3 or other solvents are used or produced in the manufacturing or purification of the product.

Metallic Residues: No metal catalysts or metal reagents, as defined by EMA Guideline EMEA/CHMP/SWP/4446/2000 , are used in the production of this material.

Packaging Site: Paris Mfg Ctr & DC

  
Jamie Ethier  
Vice President Global Quality

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