

Dimethyl Sulfoxide  
PHOTREX® Reagent  
For Spectrophotometry



Material No.: 9194-33  
Batch No.: 0000157210  
Manufactured Date: 2016/11/03  
Expiration Date: 2017/11/02

## Certificate of Analysis

Test	Specification	Result
Appearance	Passes Test	PT
ACS – Assay ((CH <sub>3</sub> ) <sub>2</sub> SO) (by GC, corrected for water)	>= 99.9 %	100.0
ACS – Residue after Evaporation	<= 0.002 %	< 0.001
ACS – Titrable Acid (meq/g)	<= 0.001	< 0.001
ACS – Water (by KF, coulometric)	<= 0.1 %	< 0.1
Ultraviolet Absorbance (1.00-cm cell vs. water) (curve smooth throughout stated range with no extraneous impurity peaks) – 400–350	<= 0.01	< 0.01
Ultraviolet Absorbance (1.00-cm cell vs. water) (curve smooth throughout stated range with no extraneous impurity peaks) – 330 nm	<= 0.02	0.01
Ultraviolet Absorbance (1.00-cm cell vs. water) (curve smooth throughout stated range with no extraneous impurity peaks) – 310 nm	<= 0.06	0.04
Ultraviolet Absorbance (1.00-cm cell vs. water) (curve smooth throughout stated range with no extraneous impurity peaks) – 290 nm	<= 0.18	0.11
Ultraviolet Absorbance (1.00-cm cell vs. water) (curve smooth throughout stated range with no extraneous impurity peaks) – 270 nm	<= 0.40	0.37

For Laboratory, Research or Manufacturing Use

Product Information (not specifications):

Windows of Infrared Transmittance (0.1-mm path, 50–100% T), µm:

2.0 – 2.3; 2.4 – 3.2; 3.7 – 5.0; 5.1 – 6.7; 7.9 – 8.7; 11.4 – 13.8

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600  
Avantor Performance Materials, LLC.

3477 Corporate Parkway. Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

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Country of Origin: FR

ISO

Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000  
Paris, KY 9001:2008  
Mexico City, Mexico 9001:2008  
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003  
Gliwice, Poland 9001:2008, 13485:2012  
Selangor, Malaysia 9001:2008  
Dehradun, India, 9001:2008, 14001:2004, 13485:2003  
Mumbai, India, 9001:2008  
Panoli, India 9001:2008

*James Ethier*  
Jamie Ethier  
Vice President Global Quality

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