

2-Propanol
PHOTREX® Reagent
For U.V. Spectrophotometry
(iso-propyl alcohol)



Material No.: 9083-03
Batch No.: 0000189861
Manufactured Date: 2017/11/06
Retest Date: 2022/11/05

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ CHOHCH ₃)	>= 99.5 %	100.0
Carbonyl Compounds – Acetone	<= 0.002 %	0.001
Carbonyl Compounds – Propionaldehyde	<= 0.002 %	< 0.002
Color (APHA)	<= 10	< 5
Residue after Evaporation	<= 0.0005 %	< 0.0001
Solubility in H ₂ O	Passes Test	PT
ACS – Titrable Acid or Base (µeq/g)	<= 0.1	< 0.1
Water (by KF, coulometric)	<= 0.05 %	< 0.05
Ultraviolet Absorbance (1.00-cm cell vs. water) – 400–330 nm	<= 0.01	< 0.01
Ultraviolet Absorbance (1.00-cm cell vs. water) – 300 nm	<= 0.02	< 0.02
Ultraviolet Absorbance (1.00-cm cell vs. water) – 275 nm	<= 0.03	0.01
Ultraviolet Absorbance (1.00-cm cell vs. water) – 260 nm	<= 0.04	0.01
Ultraviolet Absorbance (1.00-cm cell vs. water) – 245 nm	<= 0.08	0.02
Ultraviolet Absorbance (1.00-cm cell vs. water) – 230 nm	<= 0.20	0.09
Ultraviolet Absorbance (1.00-cm cell vs. water) – 220 nm	<= 0.40	0.20
Ultraviolet Absorbance (1.00-cm cell vs. water) – 210 nm	<= 1.00	0.43

For Laboratory, Research or Manufacturing Use

Product Information (not specifications):

Boiling Point (typical)..... 82.3° C.

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

Density (g/mL) at 25° C (typical)..... 0.782
Windows of Infrared Transmittance (0.1-mm path, 50-100% T), µm:
2.5 - 2.8; 4.1 - 5.6; 5.8 - 6.4
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC



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



Jamie Ethier
Vice President Global Quality

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