

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



Material No.: 9083-03  
Batch No.: 0000187141  
Manufactured Date: 2017/10/16  
Retest Date: 2022/10/15

## Certificate of Analysis

| Test   | Specification | Result   |
|--|---------------|----------|
| Assay (CH <sub>3</sub> CHOHCH <sub>3</sub> )                 | >= 99.5 %     | 100.0    |
| Carbonyl Compounds – Acetone                                 | <= 0.002 %    | < 0.002  |
| Carbonyl Compounds – Propionaldehyde                         | <= 0.002 %    | < 0.002  |
| Color (APHA)   | <= 10         | 5        |
| Residue after Evaporation                                    | <= 0.0005 %   | < 0.0005 |
| Solubility in H <sub>2</sub> O                               | Passes Test   | PT       |
| ACS – Titrable Acid or Base (µeq/g)                          | <= 0.1        | < 0.1    |
| Water (by KF, coulometric)                                   | <= 0.05 %     | 0.01     |
| 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       | 0.01     |
| 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       | 0.06     |
| Ultraviolet Absorbance (1.00-cm cell vs. water) – 220 nm     | <= 0.40       | 0.13     |
| Ultraviolet Absorbance (1.00-cm cell vs. water) – 210 nm     | <= 1.00       | 0.31     |

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


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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

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