

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



Material No.: 9083-03  
Batch No.: 24B2961077  
Manufactured Date: 2024-02-23  
Retest Date: 2029-02-21  
Revision No.: 0

## Certificate of Analysis

| Test   | Specification | Result      |
|--|---------------|-------------|
| Assay (CH <sub>3</sub> CHOHCH <sub>3</sub> )                 | ≥ 99.5 %      | 100.0 %     |
| Carbonyl Compounds – Acetone                                 | ≤ 0.002 %     | < 0.001 %   |
| Carbonyl Compounds – Propionaldehyde                         | ≤ 0.002 %     | < 0.001 %   |
| Color (APHA)   | ≤ 10          | < 5         |
| Residue after Evaporation                                    | ≤ 0.0005 %    | < 0.0005 %  |
| Solubility in H <sub>2</sub> O                               | Passes Test   | Passes Test |
| 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        | 0.08        |
| Ultraviolet Absorbance (1.00-cm cell vs. water) – 220 nm     | ≤ 0.40        | 0.16        |
| Ultraviolet Absorbance (1.00-cm cell vs. water) – 210 nm     | ≤ 1.00        | 0.35        |

For questions on this Certificate of Analysis 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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For Laboratory, Research, or Manufacturing Use  
Product Information (not specifications):  
Boiling Point (typical)..... 82.3° C.  
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: USA  
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales  
Sr. Manager, Quality Assurance

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