

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



Material No.: 9083-03
Batch No.: 0000271253
Manufactured Date: 2020/08/22
Retest Date: 2025/08/21
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Assay ($\text{CH}_3\text{CHOHCH}_3$)	$\geq 99.5 \%$	100.0
Carbonyl Compounds – Acetone	$\leq 0.002 \%$	0.002
Carbonyl Compounds – Propionaldehyde	$\leq 0.002 \%$	< 0.001
Color (APHA)	≤ 10	< 5
Residue after Evaporation	$\leq 0.0005 \%$	< 0.0001
Solubility in H_2O	Passes Test	PT
ACS – Titrable Acid or Base ($\mu\text{eq/g}$)	≤ 0.1	< 0.1
Water (by KF, coulometric)	$\leq 0.05 \%$	0.04
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	0.02
Ultraviolet Absorbance (1.00-cm cell vs. water) – 260 nm	≤ 0.04	0.02
Ultraviolet Absorbance (1.00-cm cell vs. water) – 245 nm	≤ 0.08	0.03
Ultraviolet Absorbance (1.00-cm cell vs. water) – 230 nm	≤ 0.20	0.10
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	0.44

For Laboratory, Research or Manufacturing Use

Product Information (not specifications):

Boiling Point (typical)..... 82.3° C.

Material No.: 9083-03
Batch No.: 0000271253

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



Jamie Ethier
Vice President Global Quality

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