

Alcohol, Anhydrous, Reagent  
PHOTREX® Reagent  
For Use in Liquid Chromatography and  
Spectrophotometry  
(Made from Specially Denatured Alcohol 3A)



Material No.: 9229-03  
Revision No.: 0

## Product Specification

Test	Specification
Assay Specially Denatured Alcohol Formula 3A (200 proof)(v/v)	94,0 – 96,0 %
Isopropyl Alcohol (2-propanol)(v/v)	4,0 – 6,0 %
Ethanol (v/v)	88,5 – 92,5 %
Methanol (v/v)	3,5 – 5,5 %
Appearance	Passes Test
Color (APHA)	≤ 5
Residue after Evaporation	≤ 5 ppm
Specific Gravity at 25°C	0,785 – 0,795
Water (H <sub>2</sub> O)	≤ 0,1 %
Ultraviolet Absorbance (1.00-cm cell vs. water) (curve smooth throughout stated range with no extraneous impurity peaks) – 210 nm	≤ 1,00
Ultraviolet Absorbance (1.00-cm cell vs. water) (curve smooth throughout stated range with no extraneous impurity peaks) – 220 nm	≤ 0,50
Ultraviolet Absorbance (1.00-cm cell vs. water) (curve smooth throughout stated range with no extraneous impurity peaks) – 230 nm	≤ 0,20
Ultraviolet Absorbance (1.00-cm cell vs. water) (curve smooth throughout stated range with no extraneous impurity peaks) – 250 nm	≤ 0,05
Ultraviolet Absorbance (1.00-cm cell vs. water) (curve smooth throughout stated range with no extraneous impurity peaks) – 270 nm	≤ 0,01
Ultraviolet Absorbance (1.00-cm cell vs. water) (curve smooth throughout stated range with no extraneous impurity peaks) – 400 nm	≤ 0,01
Substances Reducing Permanganate	Passes Test
Titration Acid (µeq/g)	
Titration Base (µeq/g)	

For questions on this Product Specification 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  
SDA Formula 3A consists of 5 volumes of methanol and 100 volumes of 200proof ethanol.

Packaging Site: Paris Mfg Ctr & DC

Jamie Ethier  
Vice President Global Quality

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