

Acetonitrile

BAKER ANALYZED® HPLC Ultra Gradient Solvent

For use in Liquid Chromatography (HPLC & UHPLC) &
Spectrophotometry



Material No.: 9017-33

Batch No.: 25A0362001

Manufactured Date: 2024-05-08

Retest Date: 2029-05-07

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Ultraviolet Absorbance (1.00-cm cell vUltraviolet Absorbance (1.00-cm cell vs. water) – 400–254 nm	<= 0.005	0.004
Ultraviolet Absorbance (1.00-cm cell vs. water) – 220 nm	<= 0.01	0.01
Ultraviolet Absorbance (1.00-cm cell vUltraviolet Absorbance (1.00-cm cell vs. water) – 200 nm	<= 0.05	0.02
Ultraviolet Absorbance (1.00-cm cell vUltraviolet Absorbance (1.00-cm cell vs. water) – UV Cut-off, nm	<= 190	188
Gradient Elution Test (a.u.) – 254 nm	<= 0.0005	<0.0001
Gradient Elution Test (a.u.) – 210 nm	<= 0.002	<0.001
Density (g/mL) at 25°C	0.775 – 0.780	0.777
Fluorescence Trace Impurities, measured as Quinine Base – at 450 nm Emission	<= 0.3 ppb	0.1 ppb
Fluorescence Trace Impurities, measured as Quinine Base – at Emission Maximum for Impurities	<= 1.0 ppb	0.5 ppb
Assay (CH ₃ CN) (by GC)	>= 99.9 %	100.0 %
Appearance	Passes Test	Passes Test
Color (APHA)	<= 10	5
Fluorescence Trace Impurities, measured as Quinine Base – Fluorescence detection (PAH)	<= 0.5 ppb	0.5 ppb
Residue after Evaporation	<= 1.0 ppm	0.6 ppm
Titration Acid (μeq/g)	<= 0.8	0.1
Titration Base (μeq/g)	<= 0.6	<0.1
Water (by KF, coulometric)	<= 100 ppm	<3 ppm
Carbonyl Compounds (as Acetone)	<= 25.0 ppb	20.0 ppb

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

Filtered through a .2 micron filter.

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

A handwritten signature in black ink that reads 'J. Croak'.

Jamie Croak
Director Quality Operations, Bioscience Production

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