

Acetonitrile

BAKER ANALYZED® HPLC Ultra Gradient Solvent

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



Material No.: 9017-33

Batch No.: 24J2162009

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 white ink that reads 'J. Croak'.

Jamie Croak
Director Quality Operations, Bioscience Production

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