Acetonitrile
BAKER ANALYZED® HPLC Ultra Gradient Solvent
For use in Liquid Chromatography (HPLC & UHPLC) &
Spectrophotometry

Material No.: 9017-03
Batch No.: 0000200687
Manufactured Date: 2018/05/05
Retest Date: 2023/05/04
Revision No: 1

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Ultraviolet Absorbance (1.00-cm cell vs. water) - 400-254 nm | <= 0.005 | 0.002 |
| Ultraviolet Absorbance (1.00-cm cell vs. water) - 220 nm | <= 0.01 | < 0.01 |
| Ultraviolet Absorbance (1.00-cm cell vs. water) - 200 nm | <= 0.05 | 0.01 |
| Ultraviolet Absorbance (1.00-cm cell vs. water) - UV Cut-off, nm | <= 190 | 190 |
| Gradient Elution Test (a.u.) - 254 nm | <= 0.0005 | 0.0005 |
| Gradient Elution Test (a.u.) - 210 nm | <= 0.002 | 0.001 |
| Density (g/mL) at 25°C | 0.775 - 0.780 | 0.779 |
| Fluorescence Trace Impurities, measured as Quinine Base - at 450 nm Emission | <= 0.3 ppb | 0.3 |
| Fluorescence Trace Impurities, measured as Quinine Base - at Emission Maximum for Impurities | <= 1.0 ppb | 1.0 |
| Assay ($CH_3CN$) (by GC) | >= 99.9 % | 100.0 |
| Appearance | Passes Test | PT |
| Color (APHA) | <= 10 | 10 |
| Fluorescence Trace Impurities, measured as Quinine Base - Fluorescence detection (PAH) | <= 0.5 ppb | 0.3 |
| Residue after Evaporation | <= 1.0 ppm | 1.0 |
| Titrable Acid (µeq/g) | <= 0.8 | 0.8 |
| Titrable Base (µeq/g) | <= 0.6 | 0.6 |
| Water (by KF, coulometric) | <= 100 ppm | <10 |
| Carbonyl Compounds (as Acetone) | <= 25 ppb | 20 |

For Laboratory, Research or Manufacturing Use

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.
3477 Corporate Parkway. Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

Filtered through a 0.2 micron filter.

| | |
|---|---|
| Country of Origin: | US |
| Packaging Site: | Paris Mfg Ctr & DC |

ISO

Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008
Panoli, India 9001:2008

James Ethier

Jamie Ethier
Vice President Global Quality

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