

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



Material No.: 9017-33
Batch No.: 0000074274
Manufactured Date: 2014/03/11
Retest Date: 2019/03/10

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 | 0.02 |
| Ultraviolet 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 |
| Fluorescence Trace Impurities, measured as Quinine Base – at Emission Maximum for Impurities | <= 1.0 ppb | 0.3 |
| Assay (CH ₃ CN) (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 | 0.2 |
| Titration Acid (µeq/g) | <= 0.8 | 0.4 |
| Titration Base (µeq/g) | <= 0.6 | < 0.1 |
| Water (by KF, coulometric) | <= 100 ppm | 45 |
| Carbonyl Compounds (as Acetone) | <= 25 ppb | < 20 |

For Laboratory, Research or Manufacturing Use

Material No.: 9017-33
Batch No.: 0000074274

Filtered through a 0.2 micron filter.

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

ISO

Phillipsburg, NJ 9001:2008, 14001:2004
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 17025:2005
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008, 17025:2005
Panoli, India 9001:2008



Richard M Siberski
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor™ Performance Materials Inc.

3477 Corporate Parkway, Suite #200, Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610