

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



Material No.: 9017-33  
Batch No.: 0000007799  
Manufactured Date: 2012/06/06  
Retest Date: 2017/06/05

## Certificate of Analysis

Test	Specification	Result
Ultraviolet Absorbance (1.00-cm cell vs. water) - 400-254 nm	$\leq 0.005$	< 0.001
Ultraviolet Absorbance (1.00-cm cell vs. water) -220 nm	$\leq 0.01$	< 0.01
Ultraviolet Absorbance (1.00-cm cell vs. water) -200 nm	$\leq 0.05$	0.01
Ultraviolet Absorbance (1.00-cm cell vs. water) -UV Cut-off, nm	$\leq 190$	190
Gradient Elution Test (a.u.) - 254 nm	$\leq 0.0005$	< 0.0001
Gradient Elution Test (a.u.) - 210 nm	$\leq 0.002$	< 0.001
Density (g/mL) at 25° C	0.775 -0.780	0.778
Fluorescence Trace Impurities, measured as Quinine Base -at 450 nm Emission	$\leq 0.3$ ppb	0.1
Fluorescence Trace Impurities, measured as Quinine Base -at Emission Maximum for Impurities	$\leq 1.0$ ppb	0.3
Assay (CH <sub>3</sub> CN) (by GC, corrected for water)	$\geq 99.9\%$	100.0
Appearance	Passes Test	PT
Color (APHA)	$\leq 10$	5
Fluorescence Trace Impurities, measured as Quinine Base -Fluorescence detection (PAH)	$\leq 0.5$ ppb	< 0.5
Residue after Evaporation	$\leq 1.0000$ ppm	0.2000
Titration Acid ( $\mu\text{eq/g}$ )	$\leq 0.8$	0.8
Titration Base ( $\mu\text{eq/g}$ )	$\leq 0.6$	< 0.6
Water (by KF, coulometric)	$\leq 100$ ppm	< 10
Carbonyl Compounds (as Acetone)	$\leq 25.0$ ppb	< 20.0

For Laboratory, Research, or Manufacturing Use

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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  
Selangor, Malaysia 9001.2008  
Panoli, India 9001.2008  
Gliwice, Poland 9001.2008, 17025.2005



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Global Director of Quality Assurance

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