

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



Material No.: 9017-33  
Batch No.: 0000029729  
Manufactured Date: 2012/10/24  
Retest Date: 2017/10/23

## 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	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	0.2
Assay (CH <sub>3</sub> CN) (by GC)	>= 99.9 %	100.0
Appearance	Passes Test	PT
Color (APHA)	<= 10	<5
Fluorescence Trace Impurities, measured as Quinine Base - Fluorescence detection (PAH)	<= 0.5 ppb	<0.1
Residue after Evaporation	<= 1.0000 ppm	0.3000
Titration Acid (µeq/g)	<= 0.8	0.4
Titration Base (µeq/g)	<= 0.6	<0.1
Water (by KF, coulometric)	<= 100 ppm	<10
Carbonyl Compounds (as Acetone)	<= 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, 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



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