

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



Material No.: 9017-03  
Batch No.: 0000178838  
Manufactured Date: 2017/07/17  
Retest Date: 2022/07/16

## Certificate of Analysis

Test	Specification	Result
Ultraviolet Absorbance (1.00-cm cell vs. water) – 400–254 nm	$\leq 0.005$	$< 0.002$
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	$\leq 190$	187
Gradient Elution Test (a.u.) – 254 nm	$\leq 0.0005$	0.0004
Gradient Elution Test (a.u.) – 210 nm	$\leq 0.002$	0.001
Density (g/mL) at 25°C	0.775 – 0.780	0.776
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)	$\geq 99.9$ %	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	0.3
Residue after Evaporation	$\leq 1.0$ ppm	0.2
Titration Acid ( $\mu$ eq/g)	$\leq 0.8$	0.8
Titration Base ( $\mu$ eq/g)	$\leq 0.6$	0.6
Water (by KF, coulometric)	$\leq 100$ ppm	7
Carbonyl Compounds (as Acetone)	$\leq 25$ ppb	20

For Laboratory, Research or Manufacturing Use

Filtered through a 0.2 micron filter.

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



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

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