

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



Material No.: 9017-33  
Batch No.: 0000223462  
Manufactured Date: 2019/02/07  
Retest Date: 2024/02/06  
Revision No: 1

## Certificate of Analysis

Test	Specification	Result
Ultraviolet Absorbance (1.00-cm cell vs. water) – 400–254 nm	<= 0.005	0.004
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	0.5
Assay (CH <sub>3</sub> 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	0.5
Residue after Evaporation	<= 1.0 ppm	0.1
Titration Acid (µeq/g)	<= 0.8	0.2
Titration Base (µeq/g)	<= 0.6	< 0.1
Water (by KF, coulometric)	<= 100 ppm	2
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 +1.610.386.1700  
Avantor Performance Materials, LLC  
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

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Filtered through a 0.2 micron filter.

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

ISO

Phillipsburg, NJ 9001:2015, FSSC22000  
Paris, KY 9001:2008  
Mexico City, Mexico 9001:2008  
Gliwice, Poland 9001:2015, 13485:2012  
Selangor, Malaysia 9001:2008  
Dehradun, India, 9001:2008, 14001:2004, 13485:2003  
Mumbai, India, 9001:2015, 17025:2005  
Panoli, India 9001:2015

*James Ethier*  
Jamie Ethier  
Vice President Global Quality

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