

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



Material No.: 9017-33
Batch No.: 0000061816
Manufactured Date: 2013/10/17
Retest Date: 2018/10/16

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	0.2
Fluorescence Trace Impurities, measured as Quinine Base - at Emission Maximum for Impurities	<= 1.0 ppb	1.0
Assay (CH ₃ 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	<= 1.0 ppm	0.6
Titration Acid (µeq/g)	<= 0.8	0.2
Titration Base (µeq/g)	<= 0.6	< 0.1
Water (by KF, coulometric)	<= 100 ppm	19
Carbonyl Compounds (as Acetone)	<= 25 ppb	< 20

For Laboratory, Research or Manufacturing Use

Material No.: 9017-33
Batch No.: 0000061816

Filtered through a 0.2 micron filter.

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



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

A handwritten signature in white ink on a blue background, appearing to read "Richard M Siberski".

Richard M Siberski
Global Director of Quality Assurance

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