

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



Material No.: 9017-33
Batch No.: 0000111487
Manufactured Date: 2015/03/19
Retest Date: 2020/03/17

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	0.02
Ultraviolet Absorbance (1.00-cm cell vs. water) – UV Cut-off, nm	<= 190	188
Gradient Elution Test (a.u.) – 254 nm	<= 0.0005	< 0.0005
Gradient Elution Test (a.u.) – 210 nm	<= 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	<= 0.3 ppb	< 0.3
Fluorescence Trace Impurities, measured as Quinine Base – at Emission Maximum for Impurities	<= 1.0 ppb	< 0.1
Assay (CH ₃ 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	< 1.0
Titration Acid (µeq/g)	<= 0.8	< 0.8
Titration Base (µeq/g)	<= 0.6	< 0.6
Water (by KF, coulometric)	<= 100 ppm	< 10
Carbonyl Compounds (as Acetone)	<= 25 ppb	< 20

For Laboratory, Research or Manufacturing Use

Material No.: 9017-33
Batch No.: 0000111487

Filtered through a 0.2 micron filter.

Country of Origin: US
Packaging Site: Phillipsburg 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, 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, appearing to read "Richard M Siberski", is written over the blue background.

Richard M Siberski
Vice President Global Quality

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