

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



Material No.: 9017-33
Batch No.: 0000165476
Manufactured Date: 2017/02/03
Retest Date: 2022/02/02

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	189
Gradient Elution Test (a.u.) – 254 nm	<= 0.0005	0.0003
Gradient Elution Test (a.u.) – 210 nm	<= 0.002	< 0.001
Density (g/mL) at 25°C	0.775 – 0.780	0.779
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 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	0.2
Residue after Evaporation	<= 1.0 ppm	< 0.1
Titration Acid (µeq/g)	<= 0.8	0.1
Titration Base (µeq/g)	<= 0.6	< 0.1
Water (by KF, coulometric)	<= 100 ppm	7
Carbonyl Compounds (as Acetone)	<= 25 ppb	20

For Laboratory, Research or Manufacturing Use

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Filtered through a 0.2 micron filter.

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

ISO

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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