Acetonitrile

BAKER ANALYZED® HPLC Ultra Gradient Solvent

For use in Liquid Chromatography (HPLC & UHPLC) &

Spectrophotometry

J.T.Baker | avantor™

Material No.: 9017-03
Batch No.: 0000191119
Manufactured Date: 2017/11/29
Retest Date: 2022/11/28

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	< 0.0005
Gradient Elution Test (a.u.) – 210 nm	<= 0.002	< 0.002
Density (g/mL) at 25°C	0.775 – 0.780	0.776
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_3CN) (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	< 1.0
Titrable Acid (µeq/g)	<= 0.8	0.8
Titrable 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

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.
3477 Corporate Parkway. Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

Filtered through a 0.2 micron filter.

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