

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



Material No.: 9017-03  
Revision No.: 0

## Product Specification

Test	Specification
Ultraviolet Absorbance (1.00-cm cell vs. water) – 400-254 nm	≤ 0.005
Ultraviolet Absorbance (1.00-cm cell vs. water) – 220 nm	≤ 0.01
Ultraviolet Absorbance (1.00-cm cell vs. water) – 200 nm	≤ 0.05
Ultraviolet Absorbance (1.00-cm cell vs. water) – UV Cut-off, nm	≤ 190
Gradient Elution Test (a.u.) – 254 nm	≤ 0.0005
Gradient Elution Test (a.u.) – 210 nm	≤ 0.002
Density (g/mL) at 25°C	0.775 – 0.780
Fluorescence Trace Impurities, measured as Quinine Base – at 450 nm Emission	≤ 0.3 ppb
Fluorescence Trace Impurities, measured as Quinine Base – at Emission Maximum for Impurities	≤ 1.0 ppb
Assay (CH <sub>3</sub> CN) (by GC)	≥ 99.9 %
Appearance	Passes test
Color (APHA)	≤ 10
Fluorescence Trace Impurities, measured as Quinine Base – Fluorescence detection (PAH)	≤ 0.5 ppb
Residue after evaporation	≤ 1.0 ppm
Titration Acid (µeq/g)	≤ 0.8
Titration Base (µeq/g)	≤ 0.6
Water (by KF, coulometric)	≤ 100 ppm
Carbonyl Compounds (as Acetone)	≤ 25.0 ppb

For questions on this Product Specification please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

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For Laboratory, Research, or Manufacturing Use  
Filtered through a 0.2 micron filter.