

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



Material No.: 9017-P04
Batch No.: P25H100950
Manufactured Date: 2025-08-09
Retest Date: 2030-08-08
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Appearance	Passes test	Passes test
Color	≤ 10 APHA	≤ 10 APHA
Residue After Evaporation	≤ 1.00 ppm	0.12 ppm
Titration Acid	≤ 0.80 µeq/g	0.15 µeq/g
Titration Base	≤ 0.60 µeq/g	< 0.01 µeq/g
Water (by KF, coulometric)	≤ 100 ppm	28 ppm
Density(25°C)	0.775 – 0.780	0.777
Carbonyl Compounds (as Acetone)	≤ 25 ppb	1 ppb
Assay (GC) (CH ₃ CN)	≥ 99.90 %	99.99 %
Ultraviolet Absorbance (1.00 cm cell vs. Ultraviolet Absorbance (1.00 cm cell vs. water)	.	.
254–400 nm	≤ 0.005	0.004
220 nm	≤ 0.01	≤ 0.01
Internal control (0.012)	.	.
200 nm	≤ 0.05	0.02
UV Cut-off	≤ 190	≤ 190
Gradient Elution Test	.	.
254 nm	≤ 0.0005	≤ 0.0005
210 nm	≤ 0.002	0.001
Fluorescence Trace Impurities, in ppb measured as Quinine Base:	.	.
at 450 nm Emission	≤ 0.30	0.02
at Emission Max for Impurities	≤ 1.00	0.36
Fluorescence detection (PAH)	≤ 0.50 ppb	0.49 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

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

Country of Origin: India

A handwritten signature in blue ink, appearing to read 'Meenu'.

Meenu Deshmukh
Sr. Quality Manager

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