

Acetonitrile

HPLC

For use in Liquid Chromatography (HPLC & UHPLC) &

Spectrophotometry

Material No.: 1.000988

Batch No.: GS240225

Manufactured Date: 2024/02/25

Retest Date: 2029/02/25

## Certificate of Analysis

Test	Specification	Result
Ultraviolet Absorbance (1.00-cm cell vs. water) – 400–254 nm	<= 0.005	0.004
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	0.0004
Gradient Elution Test (a.u.) – 210 nm	<= 0.002	0.001
Density (g/mL) at 25°C	0.775 – 0.780	0.777
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	0.5
Assay (CH <sub>3</sub> 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	0.5
Residue after Evaporation	<= 1.0 ppm	< 0.1
Titration Acid (µeq/g)	<= 0.8	0.3
Titration Base (µeq/g)	<= 0.6	< 0.1
Water (by KF, coulometric)	<= 100 ppm	49
Carbonyl Compounds (as Acetone)	<= 25 ppb	25

For Laboratory, Research or Manufacturing Use

Filtered through a 0.2 micron filter.

Country of Origin: CN

Packaging Site: Paris Mfg Ctr & DC