

Certificate of Analysis

Product Name:

Acetonitrile PurSolv Hyper, Gradient grade, for HPLC, ≥99.9%

Product No.: PSR36298
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 75-05-8
Molecular Formula: C₂H₃N
Molecular Weight: 41.05 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Clear Colorless Liquid	Clear Colorless Liquid
Assay (by GC)	≥ 99.90 %	99.99 %
Water (by KF)	NMT 0.01 %	0.002 %
Residue on Evaporation	NMT 0.0005 %	0.0004 %
Refractive index at 20 °C	1.3435 - 1.3445	1.3440
Free Acid (as Acetic acid)	NMT 0.0002 meq/g	<0.0002 meq/g
Free Alkali (as NH ₃)	NMT 0.0002 meq/g	<0.0002 meq/g
Peroxides (as H ₂ O ₂)	NMT 2 ppm	Not Detected
Gradient Elution Test		
HPLC Absorbance 210 nm	NMT 2 mAU	< 2 mAU
HPLC Absorbance 254 nm	NMT 0.1 mAU	< 0.1 mAU
UV Absorbance Test		
UV Absorbance 195 nm	NMT 0.1000	0.077
UV Absorbance 200 nm	NMT 0.0200	0.015
UV Absorbance 230 nm	NMT 0.0044	0.003
UV Absorbance 235 nm	NMT 0.0044	0.003
UV Absorbance 250 nm	NMT 0.0044	0.002
UV Absorbance 400 nm	NMT 0.0044	0.0001
Fluorescence Test		
At 254 nm	NMT 1.0 ppb	< 1.0 ppb
At 365 nm	NMT 0.5 ppb	< 0.5 ppb
Baseline drift at 210 nm	NMT 15.0 mAU	< 15.0 mAU

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Filtered by 0.2 µm filter

Storage Condition:

Store at room temperature and keep the container tightly closed

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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