

0

## 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: C<sub>2</sub>H<sub>3</sub>N  
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 %	99.95 %
Water (by KF)	NMT 0.02 %	0.01 %
Residue on Evaporation	NMT 0.0005 %	0.0004 %
Alkalinity as NH <sub>3</sub>	NMT 0.0002 %	<0.0002 %
Free Acid (as Acetic acid)	NMT 0.001 %	<0.001 %
<b>Gradient Elution Test</b>		
HPLC Absorbance 210 nm	NMT 2 mAU	<2 mAU
HPLC Absorbance 254 nm	NMT 0.5 mAU	<0.5 mAU
<b>UV Absorbance Test</b>		
UV Absorbance 195 nm	NMT 0.12	0.077
UV Absorbance 200 nm	NMT 0.032	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
<b>Fluorescence Test</b>		
At 254	NMT 0.5 ppb	< 0.5 ppb
At 365	NMT 0.5 ppb	< 0.5 ppb

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](mailto: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](http://www.pure-synth.com)

Inspect on receipt

**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*

---

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](mailto:technical@pure-synth.com)