

Certificate of Analysis

Product Name:

Methanol PurSol[®] Hyper, Super Gradient grade for HPLC, ≥99.95%

Product No.: PSR37049
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 67-56-1
Molecular Formula: CH₃OH
Molecular Weight: 32.04 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Clear Colorless liquid	Clear Colorless liquid
Assay (By GC)	≥ 99.95 %	99.99 %
Water (By KF)	NMT 0.01 %	0.005 %
Residue on Evaporation	NMT 0.0002 %	<0.0002 %
Acidity	NMT 0.0002 meq/g	<0.0002 meq/g
Alkalinity	NMT 0.0002 meq/g	<0.0002 meq/g
Peroxides (as H ₂ O ₂)	NMT 2 ppm	Not Detected
Acetone (as CH ₃ COCH ₃)	NMT 0.001 %	<0.001 %
Gradient Elution Test		
HPLC Gradient at 235 nm	NMT 2 mAU	< 2 mAU
HPLC Gradient at 254 nm	NMT 1 mAU	< 1 mAU
UV Absorbance		
UV Absorbance at 210 nm	NMT 0.300	0.259
UV Absorbance at 220 nm	NMT 0.200	0.199
UV Absorbance at 230 nm	NMT 0.100	0.094
UV Absorbance at 240 nm	NMT 0.050	0.038
UV Absorbance at 250 nm	NMT 0.010	0.006
Fluorescence Test		
At 254 nm	NMT 1.0 ppb	< 1.0 ppb
At 365 nm	NMT 0.5 ppb	< 0.5 ppb
Identification by IR	Conforms to structure	Conforms

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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