

## Certificate of Analysis

Product Name:

**Methanol PurSol<sup>v</sup> Ultra for LC-MS**

Product No.: PSR36293  
Lot No.: Sample COA  
Brand: PureSynth  
CAS No.: 67-56-1  
Molecular Formula: CH<sub>3</sub>OH  
Molecular Weight: 32.04 g/mol  
Date of Mfg.: NA  
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless Liquid	Colorless Liquid
Assay	≥ 99.9 %	99.99 %
Free acid (as HCOOH)	NMT 0.001 %	<0.001 %
Free alkali (as NH <sub>3</sub> )	NMT 0.0005%	<0.0005%
Water (Karl Fischer)	NMT 0.02 %	<0.009 %
Residue on ignition	NMT 0.0005 %	< 0.0005 %
LC-MS Positive Mode (as caffeine)	NMT 100	< 100
LC-MS Positive Mode (as reserpine)	NMT 50	< 50
LC-MS Negative Mode (4-nitrophenol)	NMT 50	< 50
LC-MS Suitability Test	Complying	Complying
HPLC Gradient @ 254 nm	NMT 5	< 5
UV-Visible Spectrometry		
Absorbance @ 260 nm	NMT 0.008 AU	0.0039 AU
Absorbance @ 230 nm	NMT 0.124 AU	0.0702 AU
Absorbance @ 220 nm	NMT 0.301 AU	0.1543 AU
Absorbance @ 210 nm	NMT 0.522 AU	0.3470 AU
Transmittance @ 260nm	≥ 98.0 %	99.1 %
Transmittance @ 230nm	≥75.0 %	85.1 %
Transmittance @ 220nm	≥50.0 %	70.1 %
Transmittance @ 210nm	≥30.0 %	45.0 %

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)

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**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*

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