

Certificate of Analysis

Product Name:

Methanol **PurSol/v Ultra Nitrite Free for LC-MS [NF]**

Product No.: PSR41991
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	Colorless Liquid	Colorless Liquid
Assay	≥ 99.9 %	99.99 %
Free acid (as HCOOH)	NMT 0.001 %	<0.001 %
Free alkali (as NH ₃)	NMT 0.0005%	<0.0005%
Water (By KF)	NMT 0.020 %	0.015 %
Residue on ignition	NMT 0.0005 %	0.00005 %
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	Complies	Complies
HPLC Gradient @ 254 nm	NMT 5 mAU	< 5 mAU
Absorbance @ 260 nm	NMT 0.008 AU	0.006 AU
Absorbance @ 230 nm	NMT 0.124 AU	0.090 AU
Absorbance @ 220 nm	NMT 0.301 AU	0.190 AU
Absorbance @ 210 nm	NMT 0.522 AU	0.415 AU
Nitrate (-NO ₃)	Not Detected	Not Detected
Nitrite (-NO ₂)	Not Detected	Not Detected

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

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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