

Certificate of Analysis

Product Name:

Methanol *PurSol*v Ultra Plus tested for EPA533 and EPA537.1 PFAS

Product No.: PSR49354
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 (By GC)	≥ 99.90 %	99.99 %
Water (By KF)	NMT 0.020 %	0.015 %
Density (20°/4°)	0.790 – 0.792 g/cm ³	0.791 g/cm ³
Residue on evaporation	NMT 0.0001 %	0.00005 %
Acidity	NMT 0.0002 meq/g	0.00002 meq/g
Alkalinity	NMT 0.0002 meq/g	0.00002 meq/g
Aluminium (Al)	NMT 10 ppb	< 10 ppb
Barium (Ba)	NMT 5 ppb	< 5 ppb
Cadmium (Cd)	NMT 5 ppb	< 5 ppb
Calcium (Ca)	NMT 10 ppb	< 10 ppb
Chromium (Cr)	NMT 5 ppb	< 5 ppb
Cobalt (Co)	NMT 5 ppb	< 5 ppb
Copper (Cu)	NMT 5 ppb	< 5 ppb
Iron (Fe)	NMT 10 ppb	< 10 ppb
Lead (Pb)	NMT 5 ppb	< 5 ppb
Magnesium (Mg)	NMT 10 ppb	< 10 ppb
Manganese (Mn)	NMT 5 ppb	< 5 ppb
Nickel (Ni)	NMT 5 ppb	< 5 ppb
Potassium (K)	NMT 10 ppb	< 10 ppb
Silver (Ag)	NMT 5 ppb	< 5 ppb
Sodium (Na)	NMT 50 ppb	< 50 ppb
Tin (Sn)	NMT 5 ppb	< 5 ppb
Zinc (Zn)	NMT 10 ppb	< 10 ppb
UV Absorbance at 205 nm	NMT 0.699	0.640
UV Absorbance at 220 nm	NMT 0.222	0.210

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

UV Absorbance at 240 nm	NMT 0.046	0.025
UV Absorbance at 260 nm	NMT 0.009	0.005
Gradient grade (235 nm)	NMT 0.001	0.0004
Gradient grade (254 nm)	NMT 0.0005	0.0003
UHPLC-MS test ESI+	NMT 5	< 5 ppb Reserpin
UHPLC-MS test ESI-	NMT 20	< 20 ppb Digoxin
Suitability for UHPLC-MS	Passes test	Passes test
Test EPA533/537.1 methods	Passes test	Passes test
Identification by IR	Conforms to Structure	Conforms

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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