

Certificate of Analysis

Product Name:

Pursol absolute puriss PurReagent Plus, ≥99.8%

Product No.: PSR37160
Lot No.: Sample COA
Brand: PureSynth
CAS No.: NA
Molecular Formula: C₂H₆O
Molecular Weight: 46.07 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless liquid	Colorless liquid
Assay (By GC)	≥ 99.8 %	99.97 %
Identity A	Complies	Complies
Identity B	Complies	Complies
Boiling Point	78 - 79 °C	78.5 °C
Density	0.790 - 0.791 g/cm ³	0.790 g/cm ³
Refractive Index (n _{20/D})	1.3612 - 1.3618	1.3612
Non-volatile matter	NMT 0.001 %	< 0.001 %
Water (By KF)	NMT 0.2 %	0.01 %
free acid (as CH ₃ COOH)	NMT 0.0005 %	< 0.0005 %
free alkali (as NH ₃)	NMT 0.0001 %	< 0.0001 %
Aluminium (Al)	NMT 0.00005 %	< 0.00005 %
Boron (B)	NMT 0.000002 %	< 0.000002 %
Barium (Ba)	NMT 0.00001 %	< 0.00001 %
Calcium (Ca)	NMT 0.00005 %	< 0.00005 %
Cadmium (Cd)	NMT 0.000005 %	< 0.000005 %
Cobalt (Co)	NMT 0.000002 %	< 0.000002 %
Chromium (Cr)	NMT 0.000002 %	< 0.000002 %
Copper (Cu)	NMT 0.000002 %	< 0.000002 %
Iron (Fe)	NMT 0.00001 %	< 0.00001 %
Magnesium (Mg)	NMT 0.00001 %	< 0.00001 %
Manganese (Mn)	NMT 0.000002 %	< 0.000002 %
Nickel (Ni)	NMT 0.000002 %	< 0.000002 %
Lead (Pb)	NMT 0.00001 %	< 0.00001 %
Tin (Sn)	NMT 0.00001 %	< 0.00001 %
Zinc (Zn)	NMT 0.00001 %	< 0.00001 %
Heavy metals (as Pb)	NMT 0.0001 %	< 0.0001

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

Acetone (GC)	NMT 0.001 %	< 0.001 %
Aldehydes (as CH ₃ CHO)	NMT 0.001 %	< 0.001 %
Iso-amyl alcohol (GC)	NMT 0.05 %	< 0.05 %
Carbonyl compounds (as CO)	NMT 0.003 %	< 0.003 %
furfural	Complies	Complies
Methanol (GC)	NMT 200 ppm	< 200 ppm
2-propanol (GC)	NMT 0.003 %	< 0.003 %
Acetone and 2-propanol acc.to ACS	Complies	Complies
Higher Alcohols (GC)	NMT 0.01 %	< 0.01 %
Volatile Impurities (GC)	Complies	Complies
KMnO ₄ red. matter (as O)	NMT 0.0003 %	< 0.0003 %
Reaction against H ₂ SO ₄	Complies	Complies
UV-absorption	Complies	Complies
APHA	NMT 10	< 10
Solubility in water	Complies	Complies

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 a 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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