

Certificate of Analysis

Product Name:

2-Propanol *PurTrace*, for metal speciation analysis, ≥99.9% (GC)

Product No.: PSR43319
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 67-63-0
Molecular Formula: $(\text{CH}_3)_2\text{CHOH}$
Molecular Weight: 60.11 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless Liquid	Colorless Liquid
Assay	≥99.9%	99.99 %
water (By KF)	NMT 0.05%	<0.05%
Silver (Ag)	NMT 0.5 ppb	<0.5 ppb
Aluminium (Al)	NMT 5 ppb	<5 ppb
Arsenic (As)	NMT 1 ppb	<1 ppb
Gold (Au)	NMT 0.5 ppb	<0.5 ppb
Barium (Ba)	NMT 0.5 ppb	<0.5 ppb
Beryllium (Be)	NMT 0.5 ppb	<0.5 ppb
Bismuth (Bi)	NMT 0.5 ppb	<0.5 ppb
Calcium (Ca)	NMT 30 ppb	<30 ppb
Cadmium (Cd)	NMT 0.5 ppb	<0.5 ppb
Cerium (Ce)	NMT 0.5 ppb	<0.5 ppb
Cobalt (Co)	NMT 0.5 ppb	<0.5 ppb
Chromium (Cr)	NMT 1 ppb	<1 ppb
Cesium (Cs)	NMT 0.5 ppb	<0.5 ppb
Copper (Cu)	NMT 1 ppb	<1 ppb
Iron (Fe)	NMT 5 ppb	<5 ppb
Gallium (Ga)	NMT 0.5 ppb	<0.5 ppb
Mercury (Hg)	NMT 1 ppb	<1 ppb
Indium (In)	NMT 0.5 ppb	<0.5 ppb
Iridium (Ir)	NMT 0.5 ppb	<0.5 ppb
Potassium (K)	NMT 10 ppb	<10 ppb
Lithium (Li)	NMT 0.5 ppb	<0.5 ppb
Magnesium (Mg)	NMT 10 ppb	<10 ppb
Manganese (Mn)	NMT 5 ppb	<5 ppb
Molybdenum (Mo)	NMT 0.5 ppb	<0.5 ppb

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

Sodium (Na)	NMT 250 ppb	<250 ppb
Nickel (Ni)	NMT 5 ppb	<5 ppb
Lead (Pb)	NMT 0.5 ppb	<0.5 ppb
Palladium (Pd)	NMT 1 ppb	<1 ppb
Platinum (Pt)	NMT 0.5 ppb	<0.5 ppb
Rubidium (Rb)	NMT 0.5 ppb	<0.5 ppb
Rhodium (rh)	NMT 0.5 ppb	<0.5 ppb
Ruthenium (Ru)	NMT 0.5 ppb	<0.5 ppb
Antimony (Sb)	NMT 0.5 ppb	<0.5 ppb
Selenium (Se)	NMT 1 ppb	<1 ppb
Tin (Sn)	NMT 0.5 ppb	<0.5 ppb
Strontium (Sr)	NMT 0.5 ppb	<0.5 ppb
Titanium (Ti)	NMT 5 ppb	<5 ppb
Thallium (Tl)	NMT 0.5 ppb	<0.5 ppb
Uran (U)	NMT 0.5 ppb	<0.5 ppb
Vanadium (V)	NMT 0.5 ppb	<0.5 ppb
Zinc (Zn)	NMT 5 ppb	<5 ppb
Zirconium (Zr)	NMT 0.5 ppb	<0.5 ppb
Chloride (Cl)	NMT 25 ppb	<25 ppb
Sulfate (SO ₄)	NMT 50 ppb	<50 ppb
bromide (Br)	NMT 10 ppb	<10 ppb
fluoride (F)	NMT 10 ppb	<10 ppb
iodide (I)	NMT 10 ppb	<10 ppb
nitrite (NO ₂)	NMT 10 ppb	<10 ppb
nitrate (NO ₃)	NMT 25 ppb	<25 ppb
phosphate (PO ₄)	NMT 50 ppb	<50 ppb
sulfate (SO ₄)	NMT 50 ppb	<50 ppb
peroxides (as H ₂ O ₂)	NMT 5 ppm	<5 ppm
propionaldehyde (GC)	NMT 20 ppm	<20 ppm
ketones (as CH ₃ COCH ₃)	NMT 20 ppm	<20 ppm
transmittance from 260 nm	NLT 98%	>98%
transmittance at 230 nm	NLT 75%	>75%
transmittance at 220 nm	NLT 50%	>50%

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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

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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