

## Certificate of Analysis

Product Name:

**Isopropanol PurElectra, ≥99.9%**

Product No.: PSR49988  
Lot No.: Sample COA  
Brand: PureSynth  
CAS No.: 67-63-0  
Molecular Formula: (CH<sub>3</sub>)<sub>2</sub>CHOH  
Molecular Weight: 60.11 g/mol  
Date of Mfg.: NA  
Date of Exp.: NA

Test	Specification	Result
Appearance	Colourless liquid	Colourless liquid
Assay (By GC)	≥ 99.9 %	99.98 %
Boiling Point	77-83 °C	80.0 °C
Density (at 20 °C)	0.784-0.786 g/cm <sup>3</sup>	0.785 g/cm <sup>3</sup>
Refractive index	1.3770 - 1.3780	1.3774
Water (By Karl Fischer)	NMT 0.05%	0.03 %
Non-volatile matter	NMT 5 ppm	4.20 ppm
Silver (Ag)	NMT 0.5 ppb	0.2 ppb
Aluminium (Al)	NMT 5.0 ppb	2.50 ppb
Arsenic (As)	NMT 1.0 ppb	0.8 ppb
Gold (Au)	NMT 0.5 ppb	0.1 ppb
Barium (Ba)	NMT 0.5 ppb	0.3 ppb
Beryllium (Be)	NMT 0.5 ppb	0.1 ppb
Bismuth (Bi)	NMT 0.5 ppb	0.01 ppb
Cadmium (Cd)	NMT 0.5 ppb	0.07 ppb
Cerium	NMT 0.5 ppb	0.4 ppb
Cobalt (Co)	NMT 0.5 ppb	0.2 ppb
Chromium (Cr)	NMT 1.0 ppb	0.9 ppb
Cesium (Cs)	NMT 0.5 ppb	0.08 ppb
Copper (Cu)	NMT 1.0 ppb	0.01 ppb
Iron (Fe)	NMT 5.0 ppb	3.24 ppb
Gallium (Ga)	NMT 0.5 ppb	0.35 ppb
Mercury (Hg)	NMT 1.0 ppb	0.8 ppb
Indium (In)	NMT 0.5 ppb	0.1 ppb
Iridium (Ir)	NMT 0.5 ppb	0.45 ppb
Potassium (K)	NMT 10.0 ppb	8.35 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](mailto:technical@pure-synth.com)

Lithium (Li)	NMT 0.5 ppb	0.2 ppb
Magnesium (Mg)	NMT 10.0 ppb	8.37 ppb
Manganese (Mn)	NMT 5.0 ppb	3.68 ppb
Molybdenum (Mo)	NMT 0.5 ppb	0.1 ppb
Nickel (Ni)	NMT 5.0 ppb	4.20 ppb
Lead (Pb)	NMT 0.5 ppb	0.1 ppb
Palladium (Pd)	NMT 1.0 ppb	0.86 ppb
Platinum (Pt)	NMT 0.5 ppb	0.01 ppb
Rubidium (Rb)	NMT 0.5 ppb	0.01 ppb
Rhodium (Rh)	NMT 0.5 ppb	0.02 ppb
Ruthenium (Ru)	NMT 0.5 ppb	0.05 ppb
Antimony (Sb)	NMT 0.5 ppb	0.05 ppb
Selenium (Se)	NMT 1.0 ppb	0.90 ppb
Tin (Sn)	NMT 0.5 ppb	0.4 ppb
Strontium (Sr)	NMT 0.5 ppb	0.1 ppb
Titanium (Ti)	NMT 5.0 ppb	3.26 ppb
Thallium (Tl)	NMT 0.5 ppb	0.3 ppb
Uranium (U)	NMT 0.5 ppb	0.02 ppb
Vanadium (V)	NMT 0.5 ppb	0.01 ppb
Zinc (Zn)	NMT 5.0 ppb	3.76 ppb
Zirconium (Zr)	NMT 0.5 ppb	0.1 ppb
Chloride (Cl)	NMT 25.0 ppb	20.0 ppb
Sulfate (SO <sub>4</sub> )	NMT 50.0 ppb	42.98 ppb
Phosphate (PO <sub>4</sub> )	NMT 50.0 ppb	42.0 ppb

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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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