

Certificate of Analysis

Product Name:

**Isopropyl alcohol, *PurReagent Plus*,
Meets analytical specification of IP/BP, ≥99.0%**

Product No.: PSR39361
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 67-63-0
Molecular Formula: C₃H₈O
Molecular Weight: 60.11 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Clear colourless liquid	Clear colourless liquid
Assay (by GC)	≥99.0 %	99.99 %
Water	NMT 0.500 %	0.043%
Solubility	Miscible with water, with chloroform, and with ether	Complies
Identification A (Relative density at 20°C)	0.785 to 0.789 g	0.787 g
Identification B (Refractive index at 20°C)	1.376 to 1.379	1.378
Identification C (by IR)	Conforms to structure	Conforms to structure
Identification D (Dimethylaminobenzaldehyde in Sulphuric acid Test)	Should comply	Complies
Appearance of solution (5% aq. solution)	Clear and colourless solution	Complies
Acidity or Alkalinity	Should comply	Complies
UV absorbance (10mm cell)		
a) At 230 nm	NMT 0.30	0.2054
b) At 250 nm	NMT 0.10	0.0962
c) At 270 nm	NMT 0.03	0.0285
d) At 290 nm	NMT 0.02	0.0090
e) At 310 nm	NMT 0.01	0.0082
Peroxides	No colouration is produced after 30 mins.	Complies
Benzene and related substances		
a) Benzene	NMT 2 ppm	Not detected
b) Total of impurities (excluding 2-butanol)	NMT 0.300 %	0.050 %

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

Test	Specification	Result
Non-volatile Substances	NMT 20 ppm	10 ppm
Residual Solvents		
a) 1-Propanol	NMT 0.100 %	0.0045 %
b) Cyclohexane	NMT 0.005 %	0.0001 %

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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