

Certificate of Analysis

Product Name:

Acetone Semiconductor grade *PurElectra*, ≥99.5%

Product No.: PSR49639
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 67-64-1
Molecular Formula: C₃H₆O
Molecular Weight: 58.08 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless Liquid	Colorless Liquid
Assay	≥99.5 %	99.82 %
Boiling Point	55.5 - 56.5 °C	55.9 °C
Density (D20/4)	0.790 - 0.792 g/cm ³	0.791 g/cm ³
Refractive Index (n20/D)	1.358 - 1.360	1.359
Non-volatile matter	NMT 5 ppm	<5 ppm
Water (By KF)	NMT 0.2 %	0.03 %
Free acid (as CH ₃ COOH)	NMT 20 ppm	<20 ppm
Free alkali (as NH ₃)	NMT 2 ppm	<2 ppm
Aluminium (Al)	NMT 0.05 ppm	<0.05 ppm
Antimony (Sb)	NMT 0.01 ppm	<0.01 ppm
Arsenic (As)	NMT 0.01 ppm	<0.01 ppm
Barium (Ba)	NMT 0.02 ppm	<0.02 ppm
Beryllium (Be)	NMT 0.01 ppm	<0.01 ppm
Bismuth (Bi)	NMT 0.02 ppm	<0.02 ppm
Boron (B)	NMT 0.01 ppm	<0.01 ppm
Cadmium (Cd)	NMT 0.01 ppm	<0.01 ppm
Calcium (Ca)	NMT 0.05 ppm	<0.05 ppm
Chromium (Cr)	NMT 0.01 ppm	<0.01 ppm
Chloride (Cl)	NMT 0.1 ppm	<0.1 ppm
Copper (Cu)	NMT 0.01 ppm	<0.01 ppm
Gallium (Ga)	NMT 0.01 ppm	<0.01 ppm
Gold (Au)	NMT 0.02 ppm	<0.02 ppm
Indium (In)	NMT 0.01 ppm	<0.01 ppm
Iron (Fe)	NMT 0.05 ppm	<0.05 ppm
Lead (Pb)	NMT 0.01 ppm	<0.01 ppm
Lithium (Li)	NMT 0.01 ppm	<0.01 ppm

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

Magnesium (Mg)	NMT 0.02 ppm	<0.02 ppm
Manganese (Mn)	NMT 0.01 ppm	<0.01 ppm
Molybdenum (Mo)	NMT 0.01 ppm	<0.01 ppm
Nickel (Ni)	NMT 0.01 ppm	<0.01 ppm
Platinum (Pt)	NMT 0.02 ppm	<0.02 ppm
Potassium (K)	NMT 0.02 ppm	<0.02 ppm
Silver (Ag)	NMT 0.01 ppm	<0.01 ppm
Sodium (Na)	NMT 0.05 ppm	<0.05 ppm
Strontium (Sr)	NMT 0.01 ppm	<0.01 ppm
Sulfate (SO ₄)	NMT 1.0 ppm	<1.0 ppm
Tin (Sn)	NMT 0.02 ppm	<0.02 ppm
Thallium (Tl)	NMT 0.01 ppm	<0.01 ppm
Titanium (Ti)	NMT 0.01 ppm	<0.01 ppm
Vanadium (V)	NMT 0.01 ppm	<0.01 ppm
Zinc (Zn)	NMT 0.02 ppm	<0.02 ppm
Zirconium (Zr)	NMT 0.01 ppm	<0.01 ppm
Aldehydes (as HCHO)	NMT 10 ppm	<10 ppm
Ethanol (By GC)	NMT 100 ppm	<100 ppm
Methanol (By GC)	NMT 500 ppm	<500 ppm
KMnO ₄ red. matter (as O)	NMT 2.0 ppm	<2.0 ppm

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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