

Certificate of Analysis

Product Name:

Perchloric acid PurTrace Ultra for ultratrace analysis, 67-72%

Product No.: PSR50549
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 7601-90-3
Molecular Formula: HClO_4
Molecular Weight: 100.46 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless Liquid	Colorless Liquid
Assay	67.0-72.0 %	68.80 %
Silver (Ag)	NMT 0.05 ppb	< 0.05 ppb
Aluminium (Al)	NMT 5.0 ppb	< 5.0 ppb
Arsenic (As)	NMT 0.5 ppb	< 0.5 ppb
Barium (Ba)	NMT 0.1 ppb	< 0.1 ppb
Beryllium (Be)	NMT 0.1 ppb	< 0.1 ppb
Bismuth (Bi)	NMT 0.05 ppb	< 0.05 ppb
Calcium (Ca)	NMT 5.0 ppb	< 5.0 ppb
Cadmium (Cd)	NMT 0.05 ppb	< 0.05 ppb
Cerium (Ce)	NMT 0.05 ppb	< 0.05 ppb
Cobalt (Co)	NMT 0.1 ppb	< 0.1 ppb
Cesium (Cs)	NMT 0.05 ppb	< 0.05 ppb
Copper (Cu)	NMT 0.5 ppb	< 0.5 ppb
Dysprosium (Dy)	NMT 0.05 ppb	< 0.05 ppb
Erbium (Er)	NMT 0.05 ppb	< 0.05 ppb
Europium (Eu)	NMT 0.05 ppb	< 0.05 ppb
Iron (Fe)	NMT 1.0 ppb	< 1.0 ppb
Gallium (Ga)	NMT 0.05 ppb	< 0.05 ppb
Gadolinium (Gd)	NMT 0.05 ppb	< 0.05 ppb
Holmium (Ho)	NMT 0.05 ppb	< 0.05 ppb
Indium (In)	NMT 0.05 ppb	< 0.05 ppb
Potassium (K)	NMT 5.0 ppb	< 5.0 ppb
Lanthanum (La)	NMT 0.05 ppb	< 0.05 ppb
Lithium (Li)	NMT 0.05 ppb	< 0.05 ppb
Lutetium (Lu)	NMT 0.05 ppb	< 0.05 ppb
Magnesium (Mg)	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

Manganese (Mn)	NMT 0.1 ppb	< 0.1 ppb
Molybdenum (Mo)	NMT 0.1 ppb	< 0.1 ppb
Sodium (Na)	NMT 10.0 ppb	< 10.0 ppb
Niobium (Nb)	NMT 0.05 ppb	< 0.05 ppb
Neodymium (Nd)	NMT 0.05 ppb	< 0.05 ppb
Nickel (Ni)	NMT 0.1 ppb	< 0.1 ppb
Lead (Pb)	NMT 0.2 ppb	< 0.2 ppb
Palladium (Pd)	NMT 0.5 ppb	< 0.5 ppb
Praseodymium (Pr)	NMT 0.05 ppb	< 0.05 ppb
Platinum (Pt)	NMT 0.1 ppb	< 0.1 ppb
Rubidium (Rb)	NMT 0.1 ppb	< 0.1 ppb
Rhodium (Rh)	NMT 0.1 ppb	< 0.1 ppb
Antimony (Sb)	NMT 0.1 ppb	< 0.1 ppb
Samarium (Sm)	NMT 0.05 ppb	< 0.05 ppb
Tin (Sn)	NMT 0.1 ppb	< 0.1 ppb
Strontium (Sr)	NMT 0.1 ppb	< 0.1 ppb
Terbium (Tb)	NMT 0.05 ppb	< 0.05 ppb
Thorium (Th)	NMT 0.1 ppb	< 0.1 ppb
Titanium (Ti)	NMT 0.5 ppb	< 0.5 ppb
Thallium (Tl)	NMT 0.05 ppb	< 0.05 ppb
Thulium (Tm)	NMT 0.05 ppb	< 0.05 ppb
Uranium (U)	NMT 0.05 ppb	< 0.05 ppb
Vanadium (V)	NMT 0.2 ppb	< 0.2 ppb
Yttrium (Y)	NMT 0.05 ppb	< 0.05 ppb
Ytterbium (Yb)	NMT 0.05 ppb	< 0.05 ppb
Zinc (Zn)	NMT 1.0 ppb	< 1.0 ppb
Zirconium (Zr)	NMT 2.0 ppb	< 2.0 ppb

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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