

Certificate of Analysis

Product Name:

Hydrogen peroxide PurTrace Ultrapure for Ultra Trace Analysis, 30-32 %

Product No.: PSR50283
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 7722-84-1
Molecular Formula: H₂O₂
Molecular Weight: 34.01 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless liquid	Colorless liquid
Assay	30.0 - 32.0 %	31.0 %
Aluminum (Al)	NMT 50.0 ppt	< 10.0 ppt
Antimony (Sb)	NMT 10.0 ppt	< 1.0 ppt
Arsenic (As)	NMT 100.0 ppt	< 5.0 ppt
Barium (Ba)	NMT 10.0 ppt	< 0.5 ppt
Beryllium (Be)	NMT 10.0 ppt	< 1.0 ppt
Bismuth (Bi)	NMT 10.0 ppt	< 0.05 ppt
Boron (B)	NMT 100.0 ppt	< 30.0 ppt
Cadmium (Cd)	NMT 10.0 ppt	< 1.0 ppt
Calcium (Ca)	NMT 100.0 ppt	< 60.0 ppt
Cerium (Ce)	NMT 1.0 ppt	< 0.05 ppt
Cesium (Cs)	NMT 1.0 ppt	< 0.5 ppt
Chromium (Cr)	NMT 10.0 ppt	< 2.0 ppt
Cobalt (Co)	NMT 10.0 ppt	< 0.1 ppt
Copper (Cu)	NMT 10.0 ppt	< 0.5 ppt
Dysprosium (Dy)	NMT 1.0 ppt	< 0.05 ppt
Erbium (Er)	NMT 1.0 ppt	< 0.05 ppt
Europium (Eu)	NMT 1.0 ppt	< 0.05 ppt
Gadolinium	NMT 1.0 ppt	< 0.05 ppt

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Gallium (Ga)	NMT 10.0 ppt	< 1.0 ppt
Germanium (Ge)	NMT 10.0 ppt	<10.0 ppt
Gold (Au)	NMT 10.0 ppt	< 0.2 ppt
Hafnium (Hf)	NMT 1.0 ppt	< 0.05 ppt
Holmium (Ho)	NMT 1.0 ppt	< 0.02 ppt
Indium (In)	NMT 1.0 ppt	< 0.2 ppt
Iron (Fe)	NMT 20.0 ppt	< 5.0 ppt
Lanthanum (La)	NMT 1.0 ppt	< 0.2 ppt
Lead (Pb)	NMT 10.0 ppt	< 0.5 ppt
Lithium (Li)	NMT 10.0 ppt	< 0.05 ppt
Lutetium (Lu)	NMT 1.0 ppt	< 0.05 ppt
Magnesium (Mg)	NMT 20.0 ppt	< 5.0 ppt
Manganese (Mn)	NMT 10.0 ppt	< 0.5 ppt
Mercury (Hg)	NMT 50.0 ppt	< 5.0 ppt
Molybdenum (Mo)	NMT 10.0 ppt	< 0.5 ppt
Neodymium	NMT 1.0 ppt	< 0.05 ppt
Nickel (Ni)	NMT 20.0 ppt	< 5.0 ppt
Niobium (Nb)	NMT 10.0 ppt	< 0.1 ppt
Palladium (Pd)	NMT 10.0 ppt	< 0.1 ppt
Potassium (K)	NMT 20.0 ppt	< 5.0 ppt
Praseodymium (Pr)	NMT 1.0 ppt	< 0.05 ppt
Rhenium (Re)	NMT 10.0 ppt	< 0.5 ppt
Rhodium (Rh)	NMT 10.0 ppt	< 0.05 ppt
Rubidium (Rb)	NMT 10.0 ppt	< 1.0 ppt
Ruthenium (Ru)	NMT 10.0 ppt	< 0.5 ppt
Samarium (Sm)	NMT 1.0 ppt	< 0.1 ppt
Scandium (Sc)	NMT 10.0 ppt	< 0.2 ppt
Selenium (Se)	NMT 100.0 ppt	< 20.0 ppt
Silver (Ag)	NMT 10.0 ppt	< 0.5 ppt
Sodium (Na)	NMT 50.0 ppt	< 10.0 ppt
Strontium (Sr)	NMT 10.0 ppt	< 0.2 ppt
Tantalum (Ta)	NMT 10.0 ppt	< 0.05 ppt
Tellurium (Te)	NMT 1.0 ppt	< 1.0 ppt
Terbium (Tb)	NMT 1.0 ppt	< 0.01 ppt
Thallium (Tl)	NMT 1.0 ppt	< 1.0 ppt
Thorium (Th)	NMT 1.0 ppt	< 0.01 ppt
Thulium (Tm)	NMT 1.0 ppt	< 0.02 ppt
Tin (Sn)	NMT 50.0 ppt	< 10.0 ppt
Titanium (Ti)	NMT 20.0 ppt	< 10.0 ppt
Tungsten (W)	NMT 20.0 ppt	< 2.0 ppt
Uranium (U)	NMT 1.0 ppt	< 0.05 ppt
Vanadium (V)	NMT 10.0 ppt	< 0.2 ppt
Ytterbium (Yb)	NMT 1.0 ppt	< 0.05 ppt
Yttrium (Y)	NMT 1.0 ppt	< 0.05 ppt
Zinc (Zn)	NMT 50.0 ppt	< 5.0 ppt

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Zirconium (Zr)

NMT 10.0 ppt

< 0.1 ppt

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

Elements are determined by ICP-MS

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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