

Certificate of Analysis

Product Name:

Hydrochloric acid PurTrace Ultra for trace analysis, 32-35%

Product No.: PSR49163
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 7647-01-0
Molecular Formula: HCl
Molecular Weight: 36.46 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless Liquid	Colorless Liquid
Assay	32.0-35.0 %	34.01 %
Silver (Ag)	NMT 10.0 ppt	< 10.0 ppt
Aluminium (Al)	NMT 50.0 ppt	< 50.0 ppt
Arsenic (As)	NMT 100.0 ppt	< 100.0 ppt
Gold (Au)	NMT 20.0 ppt	< 20.0 ppt
Barium (Ba)	NMT 10.0 ppt	< 10.0 ppt
Beryllium (Be)	NMT 10.0 ppt	< 10.0 ppt
Bismuth (Bi)	NMT 10.0 ppt	< 10.0 ppt
Calcium (Ca)	NMT 200.0 ppt	< 200.0 ppt
Cadmium (Cd)	NMT 10.0 ppt	< 10.0 ppt
Cerium (Ce)	NMT 10.0 ppt	< 10.0 ppt
Cobalt (Co)	NMT 10.0 ppt	< 10.0 ppt
Chromium (Cr)	NMT 100.0 ppt	< 100.0 ppt
Cesium (Cs)	NMT 10.0 ppt	< 10.0 ppt
Copper (Cu)	NMT 100.0 ppt	< 100.0 ppt
Dysprosium (Dy)	NMT 10.0 ppt	< 10.0 ppt
Iron (Fe)	NMT 200.0 ppt	< 200.0 ppt
Erbium (Er)	NMT 10.0 ppt	< 10.0 ppt
Europium (Eu)	NMT 10.0 ppt	< 10.0 ppt
Gallium (Ga)	NMT 10.0 ppt	< 10.0 ppt
Gadolinium (Gd)	NMT 10.0 ppt	< 10.0 ppt
Hafnium (Hf)	NMT 10.0 ppt	< 10.0 ppt
Mercury (Hg)	NMT 500.0 ppt	< 500.0 ppt
Holmium (Ho)	NMT 10.0 ppt	< 10.0 ppt
Indium (In)	NMT 10.0 ppt	< 10.0 ppt
Potassium (K)	NMT 100.0 ppt	< 100.0 ppt

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The conditions are subject to change without prior notice.

For queries on this COA, please contact our technical team at technical@pure-synth.com

Lanthanum (La)	NMT 10.0 ppt	< 10.0 ppt
Lithium (Li)	NMT 10.0 ppt	< 10.0 ppt
Lutetium (Lu)	NMT 10.0 ppt	< 10.0 ppt
Magnesium (Mg)	NMT 50.0 ppt	< 50.0 ppt
Manganese (Mn)	NMT 10.0 ppt	< 10.0 ppt
Molybdenum (Mo)	NMT 50.0 ppt	< 50.0 ppt
Sodium (Na)	NMT 100.0 ppt	< 100.0 ppt
Niobium (Nb)	NMT 10.0 ppt	< 10.0 ppt
Neodymium (Nd)	NMT 10.0 ppt	< 10.0 ppt
Nickel (Ni)	NMT 50.0 ppt	< 50.0 ppt
Lead (Pb)	NMT 10.0 ppt	< 10.0 ppt
Palladium (Pd)	NMT 10.0 ppt	< 10.0 ppt
Praseodymium (Pr)	NMT 10.0 ppt	< 10.0 ppt
Platinum (Pt)	NMT 10.0 ppt	< 10.0 ppt
Rubidium (Rb)	NMT 10.0 ppt	< 10.0 ppt
Rhenium (Re)	NMT 10.0 ppt	< 10.0 ppt
Rhodium (Rh)	NMT 10.0 ppt	< 10.0 ppt
Ruthenium (Ru)	NMT 10.0 ppt	< 10.0 ppt
Antimony (Sb)	NMT 100.0 ppt	< 100.0 ppt
Scandium (Sc)	NMT 20.0 ppt	< 20.0 ppt
Selenium (Se)	NMT 1000.0 ppt	< 1000.0 ppt
Samarium (Sm)	NMT 10.0 ppt	< 10.0 ppt
Tin (Sn)	NMT 200.0 ppt	< 200.0 ppt
Strontium (Sr)	NMT 10.0 ppt	< 10.0 ppt
Terbium (Tb)	NMT 10.0 ppt	< 10.0 ppt
Tellurium (Te)	NMT 10.0 ppt	< 10.0 ppt
Thorium (Th)	NMT 10.0 ppt	< 10.0 ppt
Titanium (Ti)	NMT 50.0 ppt	< 50.0 ppt
Thallium (Tl)	NMT 10.0 ppt	< 10.0 ppt
Thulium (Tm)	NMT 10.0 ppt	< 10.0 ppt
Uran (U)	NMT 10.0 ppt	< 10.0 ppt
Vanadium (V)	NMT 10.0 ppt	< 10.0 ppt
Tungsten (W)	NMT 10.0 ppt	< 10.0 ppt
Yttrium (Y)	NMT 10.0 ppt	< 10.0 ppt
Zinc (Zn)	NMT 10.0 ppt	< 10.0 ppt
Zirconium (Zr)	NMT 100.0 ppt	< 100.0 ppt

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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

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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