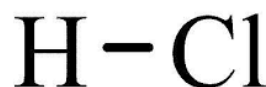


Product Specification

Product Name:

Hydrochloric acid, PurTrace for Trace analysis, fuming, ≥37%

Product No.: PSR40528
Brand: PureSynth
CAS No.: 7647-01-0
Molecular Formula: HCl
Molecular Weight: 36.46 g/mol



Test	Specification
Appearance	Colorless Liquid
Assay	≥ 37.0 %
Density (D 20/4)	1.175-1.188 g/cm ³
Aluminium (Al)	NMT 1.0 ppb
Antimony (Sb)	NMT 0.5 ppb
Arsenic (As)	NMT 0.5 ppb
Barium (Ba)	NMT 0.1 ppb
Beryllium (Be)	NMT 0.1 ppb
Bismuth (Bi)	NMT 0.1 ppb
Boron (B)	NMT 1.0 ppb
Cadmium (Cd)	NMT 0.1 ppb
Calcium (Ca)	NMT 1.0 ppb
Cesium (Cs)	NMT 0.1 ppb
Cerium (Ce)	NMT 0.1 ppb
Chromium (Cr)	NMT 0.5 ppb
Cobalt (Co)	NMT 0.1 ppb
Copper (Cu)	NMT 0.5 ppb
Dysprosium (Dy)	NMT 0.1 ppb
Erbium (Er)	NMT 0.1 ppb
Europium (Eu)	NMT 0.1 ppb
Gadolinium (Gd)	NMT 0.1 ppb
Gallium (Ga)	NMT 0.1 ppb
Germanium (Ge)	NMT 0.1 ppb
Gold (Au)	NMT 0.5 ppb
Hafnium (Hf)	NMT 0.1 ppb
Holmium (Ho)	NMT 0.1 ppb
Indium (In)	NMT 0.1 ppb
Iridium (Ir)	NMT 0.1 ppb
Iron (Fe)	NMT 1 ppb
Lanthanum (La)	NMT 0.1 ppb

The information represented here may/may not represent the entire product specification and application recommended by PureSynth Research Chemicals. This information is for the user scientists or trading community as a guide in their applications. The company claims no liability for misuse resulting due to wrong usage of the information above.
For queries on this Specifications, please contact our technical team at technical@pure-synth.com

Lead (Pb)	NMT 0.1 ppb
Lithium (Li)	NMT 0.1 ppb
Lutetium (Lu)	NMT 0.1 ppb
Magnesium (Mg)	NMT 0.5 ppb
Manganese (Mn)	NMT 0.1 ppb
Mercury (Hg)	NMT 0.1 ppb
Molybdenum (Mo)	NMT 0.1 ppb
Neodymium (Nd)	NMT 0.1 ppb
Nickel (Ni)	NMT 0.5 ppb
Niobium (Nb)	NMT 0.1 ppb
Palladium (Pd)	NMT 0.5 ppb
Platinum (Pt)	NMT 0.5 ppb
Potassium (K)	NMT 1.0 ppb
Praseodymium (Pr)	NMT 0.1 ppb
Rhenium (Re)	NMT 0.1 ppb
Rhodium (Rh)	NMT 0.1 ppb
Rubidium (Rb)	NMT 0.1 ppb
Ruthenium (Ru)	NMT 0.1 ppb
Samarium (Sm)	NMT 0.1 ppb
Scandium (Sc)	NMT 0.1 ppb
Selenium (Se)	NMT 1.0 ppb
Silver (Ag)	NMT 1.0 ppb
Sodium (Na)	NMT 1.0 ppb
Strontium (Sr)	NMT 0.1 ppb
Tantalum (Ta)	NMT 0.1 ppb
Tellurium (Te)	NMT 0.1 ppb
Terbium (Tb)	NMT 0.1 ppb
Thallium (Tl)	NMT 0.1 ppb
Thulium (Tm)	NMT 0.1 ppb
Tin (Sn)	NMT 0.5 ppb
Titanium (Ti)	NMT 0.5 ppb
Tungsten (W)	NMT 0.1 ppb
Vanadium (V)	NMT 0.5 ppb
Ytterbium (Yb)	NMT 0.1 ppb
Yttrium (Y)	NMT 0.1 ppb
Zinc (Zn)	NMT 1.0 ppb
Zirconium (Zr)	NMT 0.1 ppb
Chlorine - Cl ⁻	NMT 2.0 ppm
Sulphate - SO ₄	NMT 5.0 ppm
Phosphate - P	NMT 0.05 ppm
Sulphite	NMT 1.0 ppm
Ammonium - NH ₄	NMT 3.0 ppm

Specification: PT-1.0-QA/002 Version No.: 1.1, 18.05.2026

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