

Product Specification

Product Name:

Hydrochloric acid, *PurReagent*, ≥32% (T)

Product No.: PSR50546
Brand: PureSynth
CAS No.: 7647-01-0
Molecular Formula: HCl
Molecular Weight: 36.46 g/mol

HCl

Test	Specification
Appearance	Colorless Liquid
Assay	32.0-35.0 %
Density (D 20/4)	1.150-1.170 g/cm ³
Residue on ignition	NMT 0.0005 %
Ammonium (NH ₄ ⁺)	NMT 0.0001 %
Aluminium (Al)	NMT 0.05 ppm
Arsenic (As)	NMT 0.01 ppm
Barium (Ba)	NMT 0.02 ppm
Beryllium (Be)	NMT 0.02 ppm
Bismuth (Bi)	NMT 0.1 ppm
Calcium (Ca)	NMT 0.5 ppm
Cadmium (Cd)	NMT 0.01 ppm
Cobalt (Co)	NMT 0.01 ppm
Chromium (Cr)	NMT 0.02 ppm
Copper (Cu)	NMT 0.02 ppm
Iron (Fe)	NMT 0.2 ppm
Germanium (Ge)	NMT 0.05 ppm
Potassium (K)	NMT 0.1 ppm
Lithium (Li)	NMT 0.01 ppm
Magnesium (Mg)	NMT 0.1 ppm
Manganese (Mn)	NMT 0.01 ppm
Molybdenum (Mo)	NMT 0.02 ppm
Sodium (Na)	NMT 0.5 ppm
Nickel (Ni)	NMT 0.02 ppm
Lead (Pb)	NMT 0.02 ppm
Strontium (Sr)	NMT 0.01 ppm
Titanium (Ti)	NMT 0.1 ppm
Thallium (Tl)	NMT 0.05 ppm
Vanadium (V)	NMT 0.01 ppm
Zinc (Zn)	NMT 0.05 ppm

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

64683 Einhausen Marie-Curie-StraBe. 3, Germany
Website: www.pure-synth.com
Phone: 1800-8908-260
Email: info@pure-synth.com

Zirconium (Zr)	NMT 0.1 ppm
Bromide (Br)	NMT 50 ppm
Free Chlorine (Cl)	NMT 0.00005 %
Phosphate (PO ₄)	NMT 0.5 ppm
Sulfate (SO ₄)	NMT 1 ppm
Sulfite (SO ₃)	NMT 1 ppm

Specification: PR-1.0-QA/549

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