

Technical Datasheet

Art.-No.: 871

Hydrochloric acid p. a., ISO, Ph. Eur. (min. 32.0 %)
HCl

For laboratory use.

Parameter	Value
Appearance	Clear, colourless to yellowish liquid
Density	1.16 g/ml
Molar mass	36.46 g/mol
Melting point	-40 °C
Residue on ignition	max. 0.0005 %
Ammonium (NH ₄)	max. 0.0001 %
Aluminium (Al)	max. 0.000005 %
Arsenic (As)	max. 0.000001 %
Barium (Ba)	max. 0.000002 %
Bismuth (Bi)	max. 0.00001 %
Calcium (Ca)	max. 0.00005 %
Cadmium (Cd)	max. 0.000001 %
Cobalt (Co)	max. 0.000001 %
Chromium (Cr)	max. 0.000002 %
Copper (Cu)	max. 0.000002 %
Iron (Fe)	max. 0.00002 %
Germanium (Ge)	max. 0.000005 %
Potassium (K)	max. 0.00001 %
Lithium (Li)	max. 0.000001 %
Magnesium (Mg)	max. 0.00001 %
Manganese (Mn)	max. 0.000001 %
Molybdenum (Mo)	max. 0.000002 %
Sodium (Na)	max. 0.00005 %
Nickel (Ni)	max. 0.000002 %
Lead (Pb)	max. 0.000002 %
Strontium (Sr)	max. 0.000001 %

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Titanium (Ti)	max. 0.00001 %
Thallium (Tl)	max. 0.000005 %
Vanadium (V)	max. 0.000001 %
Zinc (Zn)	max. 0.000005 %
Zirconium (Zr)	max. 0.00001 %
Bromide (Br)	max. 0.005 %
Free chlorine (Cl ₂)	max. 0.00005 %
Phosphate (PO ₄)	max. 0.00005 %
Sulphate (SO ₄)	max. 0.0001 %
Sulphite (SO ₃)	max. 0.0001 %