

## Hydrochloric acid technical grade CH, min. 31%

**CHEMICAL NAME** Hydrochloric acid

**CAS NUMBER** 7647-01-0

**TECHNICAL REQUIREMENTS**

Appearance.....transparent, colorless to yellow liquid

Hydrogen chloride, % (m/m) .....min: 31

Iron (Fe<sup>2+</sup>), % (m/m).....max. 0.005

Free chlorine,% (m/m) .....max. 0.005

Organic compounds % (m/m), (TOC).....max. 0.03

**GENERAL DATA**

Molecular weight, g/mol.....36,5

Solubility in water..... unlimited

Density at 20°C, g/ml.....1,15 - 1,16

Odour..... pungent, suffocating

Solidification point, °C.....below -40

Breakdown temperature, °C.....above 80

**APPLICATION**

Used in the energy industry for the regeneration of ion exchangers, in industrial water treatment processes for pH regulation, in the production of industrial chemicals, agrochemicals, household chemicals, descaling and disinfectants. Used in galvanizing and zinc-plating processes, tanning, textile industry, production of biofuels. , oils and lubricants, manufacturing of chemicals in animal breeding as well as in manufacturing of lubricants and functional fluids.