

HYDROCHLORIC ACID FOR FOOD GRADE INDUSTRY 33%

CHEMICAL NAME Hydrochloric acid

CAS NUMBER 7647-01-0

TECHNICAL REQUIREMENTS

Appearance	transparent, colorless to yellow liquid
Hydrogen chloride, % (m/m)	min. 33
Available chlorine*, % (mg/kg)	max. 5
Iron (Fe)*, (mg/kg)	max. 5
Sulphuric acid as SO ₄ ²⁻ , % (mg/kg)	max. 90
Arsenic (As)*, (mg/kg)	max. 0,05
Heavy metals precipitated with H ₂ S as Pb ²⁺ , (mg/kg)	max. 5

* parameter determined on customer's request

GENERAL DATA**

Solubility in water	unlimited
Other solvents	ethanol, ethyl ether
Density at the temperature 20°C, g/ml	1,16-1,17
Boiling point, °C	above 70
Solidification point, °C	below -35
Molecular mass, g/mol	36,5

** These informative data are not technical requirements and cannot form the basis for any claims.

APPLICATION

Industrial/consumer use as water treatment chemical.
 Intermediate: production of chemicals, soaps & detergents, pharmaceuticals, cosmetics, plant protection products.
 Industrial/professional use as pH-regulator, flocculant, precipitant, neutralization agent.
 Use as washing & cleaning product.
 Use as a laboratory chemical.
 Use in welding and soldering products.