

HYDROCHLORIC ACID FOR FOOD GRADE INDUSTRY 33%

CHEMICAL NAME	Hydrochloric acid
CAS NUMBER	7647-01-0
TECHNICAL REQUIREMENTS	<p>Appearance transparent, colorless to yellow liquid</p> <p>Hydrogen chloride, % (m/m)min. 33</p> <p>Available chlorine*, % (mg/kg)max. 5</p> <p>Iron (Fe)*, (mg/kg).....max. 5</p> <p>Sulphuric acid as SO₄²⁻ % (mg/kg).....max. 90</p> <p>Arsenic (As)*, (mg/kg).....max. 0,05</p> <p>Heavy metals precipitated with H₂S as Pb²⁺, (mg/kg).....max. 5</p>

* parameter determined on customer's request

GENERAL DATA**	<p>Solubility in water..... unlimited</p> <p>Other solvents.....ethanol, ethyl ether</p> <p>Density at the temperature 20°C, g/ml.....1,16-1,17</p> <p>Boiling point, °C.....above 70</p> <p>Solidification point, °C.....below -35</p> <p>Molecular mass, g/mol.....36,5</p>
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** These informative data are not technical requirements and cannot form the basis for any claims.

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