

Technical Specification

Product Name:	<u>HYDROCHLORIC ACID 33%</u>
Chemical Name:	Hydrochloric acid
CAS NO:	7647-01-0
EINECS No.:	231-595-7
Appearance:	transparent, yellowish liquid
Molecular formula:	HCl
Molecular weight:	36.05 g/mol
UN:	UN1789
IMO:	8
Reach-Registration:	ja

Charactersitics	Specification	Unit	Test Method
Hydrogen chloride	% (m/m)	Min. 33%	ASTM E224-16
Available chlorine	mg/kg	Max. 10	LA/2185
Iron (Fe)	mg/kg	Max. 5	ICP, PN-ISO 6685:2002
Sulphuric acid as SO42-	mg/kg	Max. 100	LA/2124
Arsenic (As)	mg/kg	Max. 0,05	LA/2086
Heavy metals precipitated with H2S as Pb2+*,mg/kg	mg/kg	Max. 10	LA/2111

Informative Data**

Solubility in water: unlimited; Other solvents => Ethanol, Ethylether

Density at the temperature of +20°C, g/cm3..... 1,16-1,18

Boiling point..... above +60°C

Solidification point..... below -30°C

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

Packaging: Rail and road tanks protected against corrosion, polyethylene containers with approximately 23 MT – Hydrochloric acid with approximately 8 DMT (Dry-Metric-Tons)