

i GENERAL DESCRIPTION

Hydrochloric acid is a colorless to greenish-yellow liquid with a pungent odor. Mix in any proportion with water, acetic acid, ethyl alcohol, chloroform, acetone, etc. Hydrochloric acid is a strong acid and at the same time a very stable compound. Under the action of heat (above 1500°C) it decomposes into hydrogen and chlorine.

Q TECHNICAL QUALITY CONDITIONS

No.	Properties	U.M.	Admissibility conditions
1	Appearance	-	clear, colorless to slightly yellowish liquid
2	Hydrochloric Acid content (HCl)	%	min. 33
3	Total organic compounds (non fluorine containing) content	mg/kg	max. 5
4	Benzene content	mg/kg	max. 0.05
5	Total fluorinated compounds content	mg/kg	max. 25
6	Non-volatile matter content	%	max. 0.5
7	Reducing substance (as SO ₂) content	mg/kg	max. 70
8	Oxidizing substance (as Cl ₂) content	mg/kg	max.30
9	Sulfate ions content (SO ₄)	%	max. 0.5
10	Iron (Fe) content	mg/kg	max. 5
11	Arsenic (As) content	mg/kg	max. 1
12	Lead (Pb) content	mg/kg	max. 1
13	Mercury (Hg) content	mg/kg	max. 1

🧪 USES

- in food industry
- in chemical industry at hydro-chlorination reaction
- in the manufacture of fertilizers, resins, organic salts, dyes and drugs
- in metallurgical industry for pickling
- in power stations for treatment of water needed for thermal boilers, for regeneration of ion exchange resins
- in water and waste water treatment

📦 PACKING

- in anti-corrosive protected steel railway tanks/road tankers
- in eco-bulk, ADR approved
- other types of packing resistant to the action of the product, ADR approved

🏠 STORAGE

product is stored and kept in anti-corrosive protected tanks or in its original package, tightly closed; the storage area must be proper ventilated, protected against heating sources and separately from incompatible substances

🚚 TRANSPORT

transport is made by anti-corrosive protected railway tanks/road tankers or by covered means of transport approved by ADR, separately from incompatible substances