

## HYDROCHLORIC ACID

PHARMACEUTICAL USE 32%

Last revision 2011

**Chemical Name:** Molecular formula: HCl  
 NO.CAS: 7647-01-0  
 Abbreviation: -

### General Description:

Hydrochloric acid is a colorless to soft yellowish, with pungent odor and sour taste. The product can be mixed in any proportion with water, acetic acid, ethyl alcohol, chloroform, acetone, etc.

Hydrochloric acid is a strong acid and also a very stable compound. At heat (over 1500°C) it decomposes in hydrogen and chlorine.

### Technical Quality Conditions:

Characteristics	MU	Values	Test methods
Identification:			
-strong acid	-	comply	PhE V:2005 pt.2.2.4
- reaction for chlorides	-	comply	PhE V:2005 pt.2.3.1.
Appearance :			
-clear liquid	-	comply	PhE V:2005 pt.2.2.1
- colourless	-	comply	PhE V:2005 pt.2.2.2 Method II
Free chlorine (Cl <sub>2</sub> ), max.	ppm	4	PhE V:2005:0002
Sulphates ( SO <sub>4</sub> ), max.	ppm	20	PhE V:2005 pt.2.4.13
Heavy metals ( Pb ), max..	ppm	2	PhE V:2005 pt.2.4.8
Evaporation residues, max.	%	0.01	PhE V:2005:0002
HCl , min	%	32	PhE V:2005:0002

### Specific Properties:

pH	0.1 (solution 4%)
Boiling point	-84°C
Ignition temperature	not ignitable

*The values of those characteristics are approximated, and are only for general information and are not part of the technical quality conditions.*

# TECHNICAL SHEET



## Main Applications:

- pharmaceutical industry;
- cosmetic industry;
- food industry;

## Packing and storage:

- The product is packed in airtight containers of glass or other inert material.
- The product is stored in reservoirs of inert material, at a temperature below 30 ° C.
- The product is transported by rail tanks and trucks lined with rubber.

## Safety Information:

Hydrochloric acid is an aggressive and toxic product.

Before handling and using of product, the personnel must be aware of the dangers implied. This information is available in MSDS and on the product label.

## Warning:

Please contact OLTCHIM to see if the document has been revised and for any other additional information related to the product.

## Important:

For a better suitability of the product for your particular purpose, tests are recommended prior product use. You are advised to make your own determination as to safety, appropriate manner of handling, storage, use and disposal. All the information contained in this product technical sheet is offered for your consideration, investigation and verification. The data is presented in good faith and is believed to be reliable. You should not consider the descriptions, information, data or design as a part of our terms and conditions of sale. We expressly disclaim responsibility or liability for any loss, damage or expense arising out of reliance on the information provided herein.

### Customer Service:

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