

## Hydrochloric acid 25% AnalR NORMAPUR® analytical reagent

|                                 |               |  |               |
|---------------------------------|---------------|--|---------------|
| Assay.....                      | Min. 25.0 %   | Colouration.....                         | Max. 10 APHA  |
| Free chlorine.....              | Max. 0.5 ppm  | Ignition residue (SO <sub>4</sub> )..... | Max. 5 ppm    |
| Br (Bromide).....               | Max. 50 ppm   | NH <sub>4</sub> (Ammonium).....          | Max. 1 ppm    |
| SO <sub>3</sub> (Sulphite)..... | Max. 1 ppm    | SO <sub>4</sub> (Sulphate).....          | Max. 2 ppm    |
| Al (Aluminium).....             | Max. 0.2 ppm  | As (Arsenic).....                        | Max. 0.01 ppm |
| Ba (Barium).....                | Max. 0.05 ppm | Be (Beryllium).....                      | Max. 0.02 ppm |
| Bi (Bismuth).....               | Max. 0.1 ppm  | Ca (Calcium).....                        | Max. 1 ppm    |
| Cd (Cadmium).....               | Max. 0.01 ppm | Co (Cobalt).....                         | Max. 0.01 ppm |
| Cr (Chromium).....              | Max. 0.02 ppm | Cu (Copper).....                         | Max. 0.02 ppm |
| Fe (Iron).....                  | Max. 0.2 ppm  | Ge (Germanium).....                      | Max. 0.05 ppm |
| K (Potassium).....              | Max. 0.1 ppm  | Li (Lithium).....                        | Max. 0.01 ppm |
| Mg (Magnesium).....             | Max. 0.2 ppm  | Mn (Manganese).....                      | Max. 0.01 ppm |
| Mo (Molybdenum).....            | Max. 0.02 ppm | Na (Sodium).....                         | Max. 0.5 ppm  |
| Ni (Nickel).....                | Max. 0.02 ppm | Pb (Lead).....                           | Max. 0.02 ppm |
| Sr (Strontium).....             | Max. 0.01 ppm | Ti (Titanium).....                       | Max. 0.1 ppm  |
| Tl (Thallium).....              | Max. 0.05 ppm | V (Vanadium).....                        | Max. 0.01 ppm |
| Zn (Zinc).....                  | Max. 0.1 ppm  | Zr (Zirconium).....                      | Max. 0.1 ppm  |

| Cat. No.  | Pk    | Pack type    |
|-----------|-------|--------------|
| 20257.296 | 1 l   | Glass bottle |
| 20257.321 | 2,5 l | Glass bottle |
| 20257.460 | 25 l  | Plastic drum |

## Hydrochloric acid 25% Reag. Ph. Eur. 1043501

| Cat. No.  | Pk  | Pack type      |
|-----------|-----|----------------|
| 87842.290 | 1 l | Plastic bottle |

Supplied with certificate of analysis. Normally manufactured to order. Please check with customer services.

## Hydrochloric acid 25% Reag. Ph. Eur.

Assay..... Min. 25.0 %

| Cat. No.  | Pk  | Pack type      |
|-----------|-----|----------------|
| 84514.360 | 5 l | Plastic bottle |

## Hydrochloric acid (10 - < 25%)

### Warning

H319 H335 H315  
P280 P302+P352 P304+P340 P305+P351+P338  
P309+P311



CAS 7647-01-0

Index 017-002-01-X

EINECS: 231-595-7

UN: 1789

ADR 8,II

HCl

M.W. 36.46 g/mol

Storage Temperature: Ambient temperature

## Hydrochloric acid 20%

Assay..... Min. 20 %

| Cat. No.  | Pk  | Pack type      |
|-----------|-----|----------------|
| 5853.1000 | 1 l | Plastic bottle |

## NEW Hydrochloric acid 10%

Assay..... 9.5 to 10.5 %  
Identification A..... Passes test  
Identification B..... Passes test  
Appearance test..... Clear colourless liquid  
Free chlorine..... Max. 1 ppm  
SO<sub>4</sub> (Sulphate)..... Max. 5 ppm  
Heavy metals (as Pb)..... Max. 2 ppm  
Residue on evaporation..... Max. 0.01 %  
Residual solvents..... Unlikely by manuf.process

| Cat. No.  | Pk     | Pack type    |
|-----------|--------|--------------|
| 5594.9010 | 10 l   | Plastic drum |
| 5594.9200 | 210 kg | Plastic drum |

## Hydrochloric acid (0.5 - 10 mol) concentrated aqueous solution

### Danger

H314 H335  
P280 P301+P330+P331 P305+P351+P338  
P309+P310



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HCl

M.W. 36.46 g/mol

Storage Temperature: Ambient temperature

## Hydrochloric acid 1 mol concentrated aqueous solution ConvoL NORMADOSE® volumetric solution

Dose for preparation of 1 litre of solution

Titer (20°C)..... 0.998 to 1.002 mol/l

| Cat. No.  | Pk     | Pack type       |
|-----------|--------|-----------------|
| 32050.602 | 160 ml | Plastic ampoule |

## NEW Hydrochloric acid 0.5 mol concentrated aqueous solution ConvoL NORMADOSE® volumetric solution

Dose for preparation of 1 litre of solution

Titer (20°C; real value 0.2 % accuracy)..... 0.4998 to 0.5002 mol/l

| Cat. No.  | Pk     | Pack type       |
|-----------|--------|-----------------|
| 84589.600 | 210 ml | Plastic ampoule |

## Hydrochloric acid (< 0.5 mol) concentrated aqueous solution

CAS 7647-01-0

Index 017-002-01-X

EINECS: 231-595-7

UN: 1789

ADR 8,II

HCl

M.W. 36.46 g/mol

Density: 1 g/cm<sup>3</sup> (20 °C)

Storage Temperature: Ambient temperature

## Hydrochloric acid 0.1 mol concentrated aqueous solution ConvoL NORMADOSE® volumetric solution

Dose for preparation of 1 litre of solution

Titer (20°C)..... 0.0995 to 0.1005 mol/l

Conforms to BDH 18037..... Passes test

| Cat. No.  | Pk    | Pack type       |
|-----------|-------|-----------------|
| 32051.605 | 60 ml | Plastic ampoule |