



---

Personalized PDF Catalog  
Catalogue Generated 21 September, 2022

---

# Hydrochloric acid 37%, AnalaR® NORMAPUR® Reag. Ph. Eur. analytical reagent

Supplier: VWR Chemicals



Danger



Synonyms: Hydrogen chloride gas, Hydrochloric acid gas, Hydrochloride, Muriatic acid, Chlorohydric acid

Formula: HCl  
MW: 36,46 g/mol  
Boiling Pt: 110 °C (1013 hPa)  
Melting Pt: -30 °C  
Density: 1,18 g/cm<sup>3</sup> (20 °C)  
Storage Temperature: Ambient

MDL Number: MFCD00011324  
CAS Number: 7647-01-0  
EINECS: 231-595-7  
UN: 1789  
ADR: 8,II  
REACH: 01-2119484862-27

## Specification Test Results

Assay	35.0 - 38.0 %
Appearance	Clear colourless liquid
Appearance of solution	Passes test Ph.Eur.
Identification A	Passes test Ph.Eur.
Identification B	Passes test Ph.Eur.
Colouration	Max. 10 APHA
Density (20/4)	1.174 - 1.193
Evaporation residue	Max. 100 ppm
Free chlorine	Max. 1 ppm
Heavy metals (as Pb)	Max. 2 ppm
Ignition residue (SO <sub>4</sub> )	Max. 5 ppm
Reducing substances (as O)	Max. 4 ppm
Br (Bromide)	Max. 5 ppm
NH <sub>4</sub> (Ammonium)	Max. 1 ppm
PO <sub>4</sub> (Phosphate)	Max. 0.5 ppm
SO <sub>3</sub> (Sulphite)	Max. 1 ppm
SO <sub>4</sub> (Sulphate)	Max. 1 ppm
Al (Aluminium)	Max. 0.2 ppm
As (Arsenic)	Max. 0.01 ppm
Ba (Barium)	Max. 0.02 ppm
Be (Beryllium)	Max. 0.01 ppm
Bi (Bismuth)	Max. 0.02 ppm
Ca (Calcium)	Max. 1 ppm
Cd (Cadmium)	Max. 0.01 ppm
Co (Cobalt)	Max. 0.01 ppm
Cr (Chromium)	Max. 0.07 ppm
Cu (Copper)	Max. 0.1 ppm
Fe (Iron)	Max. 0.3 ppm
Ge (Germanium)	Max. 0.02 ppm
Hg (Mercury)	Max. 0.01 ppm

K (Potassium)	Max. 0.1 ppm
Li (Lithium)	Max. 0.01 ppm
Mg (Magnesium)	Max. 0.1 ppm
Mn (Manganese)	Max. 0.01 ppm
Mo (Molybdenum)	Max. 0.02 ppm
Na (Sodium)	Max. 0.5 ppm
Ni (Nickel)	Max. 0.04 ppm
Pb (Lead)	Max. 0.02 ppm
Sr (Strontium)	Max. 0.01 ppm
Ti (Titanium)	Max. 0.02 ppm
Tl (Thallium)	Max. 0.02 ppm
V (Vanadium)	Max. 0.02 ppm
Zn (Zinc)	Max. 0.5 ppm
Zr (Zirconium)	Max. 0.02 ppm
Conforms to Reag. Ph.Eur.	Passes test

## ORDER

VWR Catalog Number	Quantity	Pack type	Pk
20252.244		Glass bottle SAFEBREAK	1 L
<a href="#">MSDS</a> <a href="#">MSDS</a> <a href="#">Certificates</a>			
20252.290		Glass bottle	1 L
<a href="#">MSDS</a> <a href="#">MSDS</a> <a href="#">Certificates</a>			
20252.295		Plastic bottle	1 L
<a href="#">MSDS</a> <a href="#">MSDS</a> <a href="#">Certificates</a>			
20252.324		Glass bottle SAFEBREAK	2,5 L
<a href="#">MSDS</a> <a href="#">MSDS</a> <a href="#">Certificates</a>			
20252.335		Plastic bottle	2,5 L
<a href="#">MSDS</a> <a href="#">MSDS</a> <a href="#">Certificates</a>			
20252.368		Plastic bottle	5 L
<a href="#">MSDS</a> <a href="#">MSDS</a> <a href="#">Certificates</a>			
20252.420		Glass bottle	2,5 L
<a href="#">MSDS</a> <a href="#">MSDS</a> <a href="#">Certificates</a>			
20252.448		Plastic drum	20 L
<a href="#">MSDS</a> <a href="#">MSDS</a> <a href="#">Certificates</a>			

