

## HYDROCHLORIC ACID, 35%

- Synonyms: Hydrogen chloride solution, Muriatic acid
- HCl
- M = 36,46 g/mol
- CAS [7647-01-0]
- EINECS-No.: 231-595-7
- Density: ~ 1,19 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: -28 °C
- Boiling point: ~ 50 °C
- Vapour pressure: (20 °C) ~ 190 hPa
- EC-Index-No.: 017-002-01-X
- ADR: 8 C1 II UN 1789
- IMDG: 8 II UN 1789
- IATA/ICAO: 8 II UN 1789
- GHS-signal word: Danger
- GHS-H sentences: H314 - H335
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2806 10 00 00
- Applications: laboratory reagent, acidifying agent, in the production of chlorides, synthesis of organic products.

### AC0737 Hydrochloric acid, solution 35% w/w, EssentQ®



assay (acidimetric) . . . . . min. 35 %	lead (Pb) . . . . . max. 0,005 %
sulfates (SO <sub>4</sub> ) . . . . . max. 0,005 %	residue on evaporation . . . . . max. 0,05 %
ammonium (NH <sub>4</sub> ) . . . . . max. 0,005 %	
arsenic (As) . . . . . max. 3 ppm	
iron (Fe) . . . . . max. 0,005 %	

ART. NO.	VOLUME	CONTAINER
AC07371000	1 l	0
AC0737005P	5 l	P
AC0737025P	25 l	P

### AC0756 Hydrochloric acid, solution min. 35% w/w, extra pure, Pharpur®, Ph Eur



assay (acidimetric) . . . . . 35,0 - 39,0 %	Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
identification . . . . . passes test	Residual solvents are analysed according to guideline CPMP/ICH/283/95.
appearance of solution . . . . . clear and colourless	
free chlorine (as Cl) . . . . . max. 4 ppm	
sulfates (SO <sub>4</sub> ) . . . . . max. 20 ppm	
residue on evaporation . . . . . max. 0,01 %	

ART. NO.	VOLUME	CONTAINER
AC07561000	1 l	0
AC07562500	2,5 l	0
AC0756005P	5 l	P
AC0756025P	25 l	P

### AC0781 Hydrochloric acid, 35%, Ultratrace®, ppt-trace analysis grade



assay (acidimetric) . . . . . 32 - 35 %	mercury (Hg) . . . . . max. 50 ppt
aluminium (Al) . . . . . max. 20 ppt	molybdenum (Mo) . . . . . max. 10 ppt
antimony (Sb) . . . . . max. 20 ppt	neodymium (Nd) . . . . . max. 1 ppt
arsenic (As) . . . . . max. 50 ppt	nickel (Ni) . . . . . max. 20 ppt
barium (Ba) . . . . . max. 10 ppt	niobium (Nb) . . . . . max. 1 ppt
beryllium (Be) . . . . . max. 10 ppt	potassium (K) . . . . . max. 10 ppt
bismuth (Bi) . . . . . max. 10 ppt	praseodymium (Pr) . . . . . max. 1 ppt
boron (B) . . . . . max. 100 ppt	rhenium (Re) . . . . . max. 10 ppt
cadmium (Cd) . . . . . max. 10 ppt	rhodium (Rh) . . . . . max. 10 ppt
calcium (Ca) . . . . . max. 10 ppt	rubidium (Rb) . . . . . max. 10 ppt
cerium (Ce) . . . . . max. 10 ppt	ruthenium (Ru) . . . . . max. 10 ppt
cesium (Cs) . . . . . max. 10 ppt	samarium (Sm) . . . . . max. 1 ppt
chromium (Cr) . . . . . max. 10 ppt	scandium (Sc) . . . . . max. 10 ppt
cobalt (Co) . . . . . max. 10 ppt	silver (Ag) . . . . . max. 10 ppt
copper (Cu) . . . . . max. 10 ppt	sodium (Na) . . . . . max. 10 ppt
dysprosium (Dy) . . . . . max. 1 ppt	strontium (Sr) . . . . . max. 10 ppt
erbium (Er) . . . . . max. 1 ppt	tellurium (Te) . . . . . max. 1 ppt
europium (Eu) . . . . . max. 1 ppt	terbium (Tb) . . . . . max. 1 ppt
gadolinium (Gd) . . . . . max. 1 ppt	thallium (Tl) . . . . . max. 10 ppt
gallium (Ga) . . . . . max. 10 ppt	thorium (Th) . . . . . max. 1 ppt
gold (Au) . . . . . max. 50 ppt	thulium (Tm) . . . . . max. 1 ppt
hafnium (Hf) . . . . . max. 10 ppt	tin (Sn) . . . . . max. 20 ppt
holmium (Ho) . . . . . max. 1 ppt	titanium (Ti) . . . . . max. 10 ppt
indium (In) . . . . . max. 1 ppt	tungsten (W) . . . . . max. 10 ppt
iron (Fe) . . . . . max. 10 ppt	uranium (U) . . . . . max. 1 ppt
lanthanum (La) . . . . . max. 1 ppt	vanadium (V) . . . . . max. 10 ppt
lead (Pb) . . . . . max. 10 ppt	ytterbium (Yb) . . . . . max. 1 ppt
lithium (Li) . . . . . max. 10 ppt	yttrium (Y) . . . . . max. 1 ppt
lutetium (Lu) . . . . . max. 10 ppt	zinc (Zn) . . . . . max. 10 ppt
magnesium (Mg) . . . . . max. 10 ppt	zirconium (Zr) . . . . . max. 10 ppt
manganese (Mn) . . . . . max. 10 ppt	

ART. NO.	VOLUME	CONTAINER
AC07810250	250 ml	0
AC07810500	500 ml	0
AC07811000	1 l	0