

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

Identification

HCl
M = 36,46 g/mol
CAS [7647-01-0]
EC number: 231-595-7
Taric code: 2806 10 00

Synonyms

Hydrogen chloride solution, Muriatic acid

Specifications

assay (acidimetric).....	32 - 35 %	manganese (Mn).....	max. 10 ppt
aluminium (Al).....	max. 20 ppt	mercury (Hg).....	max. 50 ppt
antimony (Sb).....	max. 20 ppt	molybdenum (Mo).....	max. 10 ppt
arsenic (As).....	max. 50 ppt	neodymium (Nd).....	max. 1 ppt
barium (Ba).....	max. 10 ppt	nickel (Ni).....	max. 20 ppt
beryllium (Be).....	max. 10 ppt	niobium (Nb).....	max. 1 ppt
bismuth (Bi).....	max. 10 ppt	potassium (K).....	max. 10 ppt
boron (B).....	max. 100 ppt	praseodymium (Pr).....	max. 1 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

Physical data

- Density: ~ 1,19 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -28 °C
- Boiling point: ~ 50 °C
- Vapour pressure: (20 °C) ~ 190 hPa
- pH(20 °C) < 1

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H314: Causes severe skin burns and eye damage.
H335: May cause respiratory irritation.



Precautionary Statements:

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor / physician.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Hydrochloric acid, 35%, Ultratrace[®], ppt-trace analysis grade****Transport/storage**

- ADR: 8 C1 II • UN 1789 • HYDROCHLORIC ACID
- IMDG: 8 II • UN 1789 • HYDROCHLORIC ACID
- IATA/ICAO: 8 II • UN 1789 • HYDROCHLORIC ACID
- PAX: 809
- CAO: 813
- 10°C - 30°C