

HYDROCHLORIC ACID, 32%

AC0739 Hydrochloric acid, solution 32% w/w, ExpertQ®, for analysis, ISO



- Synonyms: Hydrogen chloride solution
- HCl
- M = 36,46 g/mol
- CAS [7647-01-0]
- EINECS-No.: 231-595-7
- Density: 1,15 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -40 °C
- Boiling point: 84 °C
- Vapour pressure: (20 °C) 21,3 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.

assay (acidimetric) min. 32 %
 colour (Hazen) max. 10
 bromides (Br) max. 0,005 %
 phosphates (as PO₄) max. 0,00005 %
 sulfates (SO₄) max. 0,0001 %
 sulfites (SO₃) max. 0,0001 %
 free chlorine (as Cl) max. 0,00005 %
 aluminium (Al) max. 0,05 ppm
 ammonium (NH₄) max. 0,0001 %
 arsenic (As) max. 0,01 ppm
 barium (Ba) max. 0,02 ppm
 beryllium (Be) max. 0,02 ppm
 bismuth (Bi) max. 0,02 ppm
 cadmium (Cd) max. 0,01 ppm
 calcium (Ca) max. 0,2 ppm
 chromium (Cr) max. 0,02 ppm
 cobalt (Co) max. 0,01 ppm
 copper (Cu) max. 0,02 ppm
 gallium (Ga) max. 0,05 ppm
 germanium (Ge) max. 0,02 ppm
 gold (Au) max. 0,05 ppm
 heavy metals (as Pb) max. 0,0001 %
 indium (In) max. 0,05 ppm
 iron (Fe) max. 0,1 ppm
 lead (Pb) max. 0,01 ppm

lithium (Li) max. 0,01 ppm
 magnesium (Mg) max. 0,05 ppm
 manganese (Mn) max. 0,01 ppm
 mercury (Hg) max. 0,01 ppm
 molybdenum (Mo) max. 0,01 ppm
 nickel (Ni) max. 0,02 ppm
 platinum (Pt) max. 0,1 ppm
 potassium (K) max. 0,1 ppm
 silver (Ag) max. 0,05 ppm
 sodium (Na) max. 0,2 ppm
 strontium (Sr) max. 0,01 ppm
 thallium (Tl) max. 0,02 ppm
 titanium (Ti) max. 0,02 ppm
 vanadium (V) max. 0,01 ppm
 zinc (Zn) max. 0,05 ppm
 zirconium (Zr) max. 0,02 ppm
 residue on ignition max. 0,0005 %

ART. NO.	VOLUME	CONTAINER
AC07391000	1 l	0
AC07392500	2,5 l	0
AC0739005P	5 l	0
AC0739025P	25 l	0

HYDROCHLORIC ACID, 30%

AC0782 Hydrochloric acid, 30%, Ultratrace®, ppb-trace analysis grade



- HCl
- CAS [7647-01-0]
- EINECS-No.: 231-595-7
- Density: ~ 1,15 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -50 °C
- Boiling point: 90 °C

- Vapour pressure: (20 °C) 21,8 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 - P310 - P405 - P501a
- Tariff number: 2806 10 00 00

ART. NO.	VOLUME	CONTAINER
AC07821000	1 l	0

HYDROCHLORIC ACID, 25%

AC0767 Hydrochloric acid, solution 25% w/w, ExpertQ®, for analysis, ISO



- Synonyms: Hydrogen chloride solution
- HCl
- M = 36,46 g/mol
- CAS [7647-01-0]
- EINECS-No.: 231-595-7
- Density: ~ 1,12 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: ~ -70 °C
- Boiling point: 107 °C
- Vapour pressure: (20 °C) 12 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.

assay (acidimetric) min. 25 %
 colour (Hazen) max. 10
 free chlorine (as Cl) max. 0,00005 %
 bromides (Br) max. 0,005 %
 phosphates (as PO₄) max. 0,00005 %
 sulfates (SO₄) max. 0,0001 %
 sulfites (SO₃) max. 0,0001 %
 aluminium (Al) max. 0,05 ppm
 ammonium (NH₄) max. 0,0001 %
 arsenic (As) max. 0,01 ppm
 barium (Ba) max. 0,02 ppm
 beryllium (Be) max. 0,02 ppm
 bismuth (Bi) max. 0,1 ppm
 cadmium (Cd) max. 0,01 ppm
 calcium (Ca) max. 0,5 ppm
 chromium (Cr) max. 0,02 ppm
 cobalt (Co) max. 0,01 ppm
 copper (Cu) max. 0,02 ppm
 germanium (Ge) max. 0,05 ppm
 heavy metals (as Pb) max. 1 ppm
 iron (Fe) max. 0,2 ppm
 lead (Pb) max. 0,02 ppm
 lithium (Li) max. 0,01 ppm
 magnesium (Mg) max. 0,1 ppm

manganese (Mn) max. 0,01 ppm
 molybdenum (Mo) max. 0,02 ppm
 nickel (Ni) max. 0,02 ppm
 potassium (K) max. 0,1 ppm
 sodium (Na) max. 0,5 ppm
 strontium (Sr) max. 0,01 ppm
 thallium (Tl) max. 0,05 ppm
 titanium (Ti) max. 0,1 ppm
 vanadium (V) max. 0,01 ppm
 zinc (Zn) max. 0,05 ppm
 zirconium (Zr) max. 0,1 ppm
 residue on ignition max. 0,0005 %

ART. NO.	VOLUME	CONTAINER
AC07671000	1 l	0
AC07672500	2,5 l	0
AC0767005P	5 l	0
AC0767025P	25 l	0