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AC0759 Hydrochloric acid, concentrated solution to prepare 1 l of solution 0,5 mol/l (0,5 N)



- HCl
- M = 36,46 g/mol
- CAS [7647-01-0]
- EINECS-No.: 231-595-7
- Density: 1,08 g/cm³
- Solub. in water: (20 °C): miscible
- ADR: 8 C1 II UN 1789
- IMDG: 8 II UN 1789
- IATA/ICAO: 8 II UN 1789

- GHS-signal word: Warning
- GHS-H sentences: H315 - H319 - H335
- GHS-P sentences: P261 - P280 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2806 10 00 00
- Applications: analytical chemistry, laboratory reagent, titrant in volumetric analysis.

amount of substance: 18,230 g HCl
concentrated solution 5 mol/l ± 0,1 %

ART. NO.	VOLUME	CONTAINER
AC075900PA	u.	Ø

AC0742 Hydrochloric acid, concentrated solution to prepare 1 l of solution 0,1 mol/l (0,1 N)

- HCl
- M = 36,46 g/mol
- CAS [7647-01-0]
- EINECS-No.: 231-595-7
- Density: ~ 1,03 g/cm³
- Solub. in water: (20 °C): miscible

- EC-Index-No.: 017-002-01-X
- Tariff number: 2806 10 00 00
- Applications: analytical chemistry, titrant in volumetric analysis.

amount of substance: 3,646 g HCl
concentrated solution 1 mol/l ± 0,1 %

ART. NO.	VOLUME	CONTAINER
AC074200PA	u.	Ø

HYDROFLUORIC ACID, 48%

- HF
- M = 20,00 g/mol
- CAS [7664-39-3]
- EINECS-No.: 231-634-8
- Density: 1,16 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: ~ -35 °C

- Boiling point: ~ 106 °C
- EC-Index-No.: 009-002-00-6
- ADR: 8 CT1 II UN 1790
- IMDG: 8 II UN 1790
- IATA/ICAO: 8 II UN 1790
- GHS-signal word: Danger
- GHS-H sentences: H310 - H330 - H314

- GHS-P sentences: P303 + P361 + P533 - P305 + P351 + P338 - P320 - P361 - P405 - P501a
- Tariff number: 2811 11 00 00
- Applications: analytical chemistry, acidifying agent, dissolution agent for silicates.

AC1059 Hydrofluoric acid, solution 48% w/w, EssentQ®



assay (acidimetric) min. 48 %
chlorides (Cl) max. 0,002 %
hexafluorosilicate (SiF₆) max. 0,01 %
sulfates (SO₄) max. 0,001 %

sulfites (SO₃) max. 0,002 %
heavy metals (as Pb) max. 5 ppm
iron (Fe) max. 1 ppm
residue on ignition (as SO_x) max. 0,002 %

ART. NO.	VOLUME	CONTAINER
AC10591000	1 l	Ø
AC10592500	2,5 l	Ø

AC1060 Hydrofluoric acid, solution 48% w/w, ExpertQ®, for analysis, ACS, ISO



assay (acidimetric) 48,0 - 51,0 %
colour (Hazen) max. 10
hexafluorosilicic acid (H₂SiF₆) max. 0,005 %
chlorides (Cl) max. 0,0001 %
phosphates (as PO₄) max. 0,00001 %
sulfates (SO₄) max. 0,0001 %
sulfites (SO₃) max. 0,0002 %
aluminium (Al) max. 0,05 ppm
arsenic (As) max. 0,05 ppm
barium (Ba) max. 0,01 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. 0,01 ppm
cobalt (Co) max. 0,02 ppm
copper (Cu) max. 0,02 ppm
germanium (Ge) max. 0,02 ppm

heavy metals (as Pb) max. 0,5 ppm
iron (Fe) max. 0,1 ppm
lead (Pb) max. 0,02 ppm
lithium (Li) max. 0,01 ppm
magnesium (Mg) max. 0,1 ppm
manganese (Mn) max. 0,03 ppm
molybdenum (Mo) max. 0,02 ppm
nickel (Ni) max. 0,02 ppm
potassium (K) max. 0,1 ppm
silver (Ag) max. 0,02 ppm
sodium (Na) max. 0,2 ppm
strontium (Sr) max. 0,02 ppm
thallium (Tl) max. 0,02 ppm
titanium (Ti) max. 0,02 ppm
vanadium (V) max. 0,02 ppm
zinc (Zn) max. 0,05 ppm
zirconium (Zr) max. 0,02 ppm
residue on ignition max. 0,0005 %

ART. NO.	VOLUME	CONTAINER
AC10601000	1 l	Ø
AC10602500	2,5 l	Ø
AC1060005P	5 l	Ø
AC1060025P	25 l	Ø