

HYDROFLUORIC ACID, 40%

AC1051 Hydrofluoric acid, solution 40% w/w, ExpertQ®, for analysis, ISO



- HF
- M = 20,01 g/mol
- CAS [7664-39-3]
- EINECS-No.: 231-634-8
- Density: 1,13 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: ~ -44 °C
- Boiling point: ~ 112 °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 + P353 - P305 + P351 + P338 - P320 - P361 - P405 - P501a
- Tariff number: 2811 11 00 00
- Applications: analytical chemistry, acidifying agent, dissolution agent for silicates.

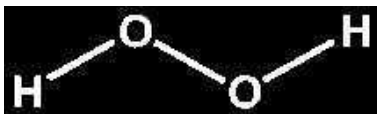
assay (acidimetric) min. 40 %
 colour (Hazen) max.10
 hexafluorosilicic acid (H₂SiF₆) max. 0,005 %
 chlorides (Cl) max. 0,0001 %
 phosphates (as PO₄) max. 0,00005 %
 sulfates (SO₄) max. 0,0002 %
 sulfites (SO₃) max. 0,0002 %
 aluminium (Al) max. 0,05 ppm
 arsenic (As) max. 0,05 ppm
 barium (Ba) max. 0,05 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. 0,02 ppm
 copper (Cu) max. 0,02 ppm
 germanium (Ge) max. 0,02 ppm
 heavy metals (as Pb) max. 1 ppm
 iron (Fe) max. 0,1 ppm
 lead (Pb) max. 0,02 ppm

lithium (Li) max. 0,02 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
AC10511000	1 l	Ⓟ
AC10512500	2,5 l	Ⓟ
AC1051005P	5 l	Ⓟ

HYDROGEN PEROXIDE, 50%

HI0139 Hydrogen peroxide, solution 50% w/w (200 vol), EssentQ®

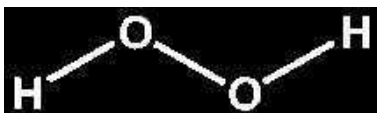


- Synonyms: Hydrogen dioxide, Hydroperoxide
- H₂O₂
- M = 34,01 g/mol
- CAS [7722-84-1]
- EINECS-No.: 231-765-0
- Density: 1,20 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: - 52 °C
- Boiling point: 114 °C
- Vapour pressure: (30 °C) 240 hPa
- LD 50 (oral, rat): 1518 mg/kg
- EC-Index-No.: 008-003-00-9
- ADR: 5.1 OC1 II UN 2014
- IMDG: 5.1 II UN 2014
- IATA/ICAO: Forbidden UN 2014
- GHS-signal word: Danger
- GHS-H sentences: H272 - H314 - H302 - H335 -
- GHS-P sentences: P221 - P210 - P303 + P361 + P353 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2847 00 00 00
- Applications: oxidizing agent, bleaching agent, for pharmaceutical use, in the pharmaceuticals industry.

assay (permanganometric) approx. 50 %
 acidity (as H₂SO₄) max. 0,05 %
 chlorides (Cl) max. 0,001 %
 nitrates (NO₃) max. 0,001 %
 phosphates (as PO₄) max. 0,005 %
 sulfates (SO₄) max. 0,001 %
 arsenic (As) max. 0,5 ppm
 copper (Cu) max. 0,001 %
 iron (Fe) max. 5 ppm
 lead (Pb) max. 0,001 %
 nickel (Ni) max. 0,001 %
 residue on evaporation max. 0,05 %

ART. NO.	VOLUME	CONTAINER
HI01391000	1 l	Ⓟ
HI01392500	2,5 l	Ⓟ

HYDROGEN PEROXIDE, 35%



- Synonyms: Hydrogen dioxide, Hydroperoxide
- H₂O₂
- M = 34,01 g/mol
- CAS [7722-84-1]
- EINECS-No.: 231-765-0
- Density: 1,13 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: ~ -24 °C
- Boiling point: ~ 110 °C
- Vapour pressure: (20 °C) ~ 20 hPa
- LD 50 (oral, rat): 2000 mg/kg (90% solution)
- EC-Index-No.: 008-003-00-9
- ADR: 5.1 OC1 II UN 2014
- IMDG: 5.1 II UN 2014
- IATA/ICAO: 5.1 II UN 2014
- GHS-signal word: Danger
- GHS-H sentences: H318 - H302 - H335 - H315
- GHS-P sentences: P261 - P280 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2847 00 00 00
- Applications: oxidizing agent, bleaching agent, for pharmaceutical use, in the pharmaceuticals industry.