

HYDRIODIC ACID, 57%

AC3350 Hydriodic acid, 57%, ExpertQ®, for analysis



- Synonyms: Hydrogen iodide solution
- HI
- M = 127,91 g/mol
- CAS [10034-85-2]
- EINECS-No.: 233-109-9
- Density: 1,70 g/cm³
- Solub. in water: (20 °C): miscible
- Boiling point: ~ 127 °C
- EC-Index-No.: 053-002-00-9
- ADR: 8 C1 II UN 1787
- IMDG: 8 II UN 1787
- IATA/ICAO: 8 II UN 1787
- GHS-signal word: Danger
- GHS-H sentences: H314 - H335
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2811 19 80 90
- Applications: analytical chemistry, reducing agent (organic substances).

assay (acidimetric) min. 57,0 %
chlorides and bromides (as Cl) max. 0,01 %
P compounds (as PO₄) max. 0,001 %
sulfates (SO₄) max. 0,005 %
aluminium (Al) max. 1 ppm
arsenic (As) max. 1 ppm
barium (Ba) max. 0,1 ppm
beryllium (Be) max. 0,1 ppm
bismuth (Bi) max. 0,1 ppm
cadmium (Cd) max. 0,1 ppm
calcium (Ca) max. 1 ppm
chromium (Cr) max. 0,1 ppm
cobalt (Co) max. 0,1 ppm
copper (Cu) max. 0,1 ppm
germanium (Ge) max. 0,1 ppm
iron (Fe) max. 2 ppm
lead (Pb) max. 0,1 ppm
lithium (Li) max. 0,1 ppm
magnesium (Mg) max. 5 ppm
manganese (Mn) max. 0,1 ppm
molybdenum (Mo) max. 0,1 ppm

nickel (Ni) max. 0,1 ppm
potassium (K) max. 1 ppm
sodium (Na) max. 1 ppm
strontium (Sr) max. 0,1 ppm
thallium (Tl) max. 0,1 ppm
titanium (Ti) max. 0,1 ppm
vanadium (V) max. 0,1 ppm
zinc (Zn) max. 0,5 ppm
zirconium (Zr) max. 0,1 ppm
residue on ignition max. 0,005 %

ART. NO.	VOLUME	CONTAINER
AC33500100	100 ml	0
AC33501000	1 l	0

HYDROBROMIC ACID, 48%

AC0596 Hydrobromic acid, 48%, ExpertQ®, for analysis, ACS, ISO



- HBr
- M = 80,92 g/mol
- CAS [10035-10-6]
- EINECS-No.: 233-113-0
- Density: 1,49 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: ~ -11 °C
- Boiling point: ~ 126 °C
- Vapour pressure: (20 °C) 10,6 hPa
- EC-Index-No.: 035-002-00-0
- ADR: 8 C1 II UN 1788
- IMDG: 8 II UN 1788
- IATA/ICAO: 8 II UN 1788
- GHS-signal word: Danger
- GHS-H sentences: H314 - H335
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2811 19 10 00
- Applications: analytical chemistry, synthesis of organic products and inorganic salts, solvents.

assay (acidimetric) 47 - 49 %
chlorides (Cl) max. 0,02 %
iodides (I) max. 0,002 %
phosphates, phosphites (as PO₄) max. 0,0002 %
sulfates and sulfites (as SO₄) max. 0,003 %
aluminium (Al) max. 0,1 ppm
arsenic (As) max. 0,1 ppm
barium (Ba) max. 0,1 ppm
beryllium (Be) max. 0,02 ppm
bismuth (Bi) max. 0,1 ppm
cadmium (Cd) max. 0,05 ppm
calcium (Ca) max. 0,5 ppm
chromium (Cr) max. 0,1 ppm
cobalt (Co) max. 0,02 ppm
copper (Cu) max. 0,02 ppm
germanium (Ge) max. 0,05 ppm
heavy metals (as Pb) max. 5 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. 0,05 ppm

molybdenum (Mo) max. 0,05 ppm
nickel (Ni) max. 0,02 ppm
potassium (K) max. 0,1 ppm
selenium (Se) max. 0,01 ppm
sodium (Na) max. 0,5 ppm
strontium (Sr) max. 0,02 ppm
thallium (Tl) max. 0,05 ppm
titanium (Ti) max. 0,1 ppm
vanadium (V) max. 0,05 ppm
zinc (Zn) max. 0,1 ppm
zirconium (Zr) max. 0,1 ppm
residue on ignition max. 0,002 %

ART. NO.	VOLUME	CONTAINER
AC05961000	1 l	0
AC0596025A	25 l	0

HYDROCHLORIC ACID, 37%

- Synonyms: Hydrochloric acid fuming, Muriatic acid, Hydrogen chloride solution
- HCl
- M = 36,46 g/mol
- CAS [7647-01-0]
- EINECS-No.: 231-595-7
- 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
- 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.

AC0736 Hydrochloric acid, 37%, extra pure, Pharpur®, Ph Eur, BP, NF, JP



assay (acidimetric) 36,5 - 38,0 %
identification passes test
appearance of solution clear and colourless
bromine or chlorine passes test
bromide or iodide passes test
free bromine or chlorine passes test
free chlorine (as Cl) max. 4 ppm
sulfates (SO₄) max. 20 ppm
sulfates (SO₃) passes test
sulfites (SO₃) passes test

arsenic (As) max. 1 ppm
heavy metals (as Pb) max. 5 ppm
mercury (Hg) max. 0,04 ppm
residue on ignition (as SO₄) max. 0,008 %
residue on evaporation max. 0,01 %
Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
AC07361000	1 l	0
AC07362500	2,5 l	0
AC0736005P	5 l	0
AC0736025P	25 l	0