

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 + P335 - 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%

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

- 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 (SO₄) 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

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z