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AC0741 Hydrochloric acid, 37%, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur



assay (acidimetric) 36,5 - 38,0 %
identity passes test
appearance of solution clear and colourless
colour (Hazen) max. 10
bromides (Br) max. 0,005 %
phosphates (as PO₄) max. 0,00005 %
sulfates (SO₄) max. 0,00005 %
sulfites (SO₃) max. 0,00005 %
free chlorine (as Cl) max. 0,00004 %
aluminium (Al) max. 0,05 ppm
ammonium (NH₄) max. 0,0001 %
arsenic (As) max. 0,01 ppm
barium (Ba) max. 0,01 ppm
beryllium (Be) max. 0,01 ppm
bismuth (Bi) max. 0,05 ppm
boron (B) max. 0,1 ppm
cadmium (Cd) max. 0,01 ppm
calcium (Ca) max. 0,3 ppm
chromium (Cr) max. 0,01 ppm
cobalt (Co) max. 0,01 ppm
copper (Cu) max. 0,01 ppm
gallium (Ga) max. 0,05 ppm
germanium (Ge) max. 0,02 ppm

gold (Au) max. 0,05 ppm
heavy metals max. 0,0001 %
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. 0,02 ppm
sodium (Na) max. 0,3 ppm
strontium (Sr) max. 0,01 ppm
thallium (Tl) max. 0,02 ppm
tin (Sn) max. 0,05 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. 0,0003 %
residue on evaporation max. 0,001 %

ART. NO.	VOLUME	CONTAINER
AC07411000	1 l	0
AC07411001	1 l	0
AC07412500	2,5 l	0
AC07412501	2,5 l	0
AC0741005P	5 l	P
AC0741025P	25 l	P

AC0730 Hydrochloric acid, 37%, ExpertQ®, for analysis, ACS, ISO, max. 0,0000005% Hg



assay (acidimetric) 36,5 - 38,0 %
appearance passes test
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. 0,1 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
mercury (Hg) max. 0,005 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 %
extractable organic substances passes test (about 0,0005 %)

ART. NO.	VOLUME	CONTAINER
AC07301000	1 l	0
AC07302500	2,5 l	0

AC0780 Hydrochloric acid, 37%, Ultratrace®, ppb-trace analysis grade



assay (acidimetric) 34 - 37 %
colour (Hazen) max. 10
bromides (Br) max. 0,001 %
free chlorine (as Cl) max. 0,00005 %
total phosphorus (P) max. 10 ppb
total sulfur (S) max. 300 ppb
aluminium (Al) max. 1 ppb
antimony (Sb) max. 0,5 ppb
arsenic (As) max. 0,5 ppb
barium (Ba) max. 0,1 ppb
beryllium (Be) max. 0,1 ppb
bismuth (Bi) max. 0,1 ppb
boron (B) max. 1 ppb
cadmium (Cd) max. 0,1 ppb
calcium (Ca) max. 1 ppb
cerium (Ce) max. 0,1 ppb
cesium (Cs) max. 0,1 ppb
chromium (Cr) max. 0,5 ppb
cobalt (Co) max. 0,1 ppb
copper (Cu) max. 0,5 ppb
dysprosium (Dy) max. 0,1 ppb
erbium (Er) max. 0,1 ppb
europium (Eu) max. 0,1 ppb
gadolinium (Gd) max. 0,1 ppb
gallium (Ga) max. 0,1 ppb
gold (Au) max. 0,5 ppb
hafnium (Hf) max. 0,1 ppb
holmium (Ho) max. 0,1 ppb
indium (In) max. 0,1 ppb
iron (Fe) max. 1 ppb
lanthanum (La) max. 0,1 ppb
lead (Pb) max. 0,1 ppb
lithium (Li) max. 0,1 ppb
lutetium (Lu) max. 0,1 ppb

magnesium (Mg) max. 0,5 ppb
manganese (Mn) max. 0,1 ppb
mercury (Hg) max. 0,1 ppb
molybdenum (Mo) max. 0,1 ppb
neodymium (Nd) max. 0,1 ppb
nickel (Ni) max. 0,5 ppb
niobium (Nb) max. 0,1 ppb
potassium (K) max. 1 ppb
praseodymium (Pr) max. 0,1 ppb
rhenium (Re) max. 0,1 ppb
rhodium (Rh) max. 0,1 ppb
rubidium (Rb) max. 0,1 ppb
ruthenium (Ru) max. 0,1 ppb
samarium (Sm) max. 0,1 ppb
scandium (Sc) max. 0,1 ppb
selenium (Se) max. 1 ppb
silver (Ag) max. 1 ppb
sodium (Na) max. 1 ppb
strontium (Sr) max. 0,1 ppb
tellurium (Te) max. 0,1 ppb
terbium (Tb) max. 0,1 ppb
thallium (Tl) max. 0,1 ppb
thorium (Th) max. 0,1 ppb
thulium (Tm) max. 0,1 ppb
tin (Sn) max. 0,5 ppb
titanium (Ti) max. 0,5 ppb
tungsten (W) max. 0,1 ppb
uranium (U) max. 0,1 ppb
vanadium (V) max. 0,5 ppb
ytterbium (Yb) max. 0,1 ppb
yttrium (Y) max. 0,1 ppb
zinc (Zn) max. 1 ppb
zirconium (Zr) max. 0,1 ppb

ART. NO.	VOLUME	CONTAINER
AC07800500	500 ml	0
AC07801000	1 l	0
AC07802500	2,5 l	0