



Specification

1.00317.0510 Hydrochloric acid fuming 37% for analysis EMSURE® ACS,ISO,
Reag. Ph Eur

	Specification	
Assay (alkalimetric)	37.0 - 38.0	%
Identity	passes test	
Color	≤ 10	Hazen
Appearance	passes test	
Appearance of solution	passes test	
Bromide (Br)	≤ 50	ppm
Free chlorine (Cl)	≤ 1	ppm
Phosphate (PO ₄)	≤ 0.5	ppm
Sulfate (SO ₄)	≤ 1.0	ppm
Sulfite (SO ₃)	≤ 0.5	ppm
Heavy metals (as Pb)	≤ 1	ppm
Ag (Silver)	≤ 0.020	ppm
Al (Aluminium)	≤ 0.050	ppm
As (Arsenic)	≤ 0.010	ppm
Au (Gold)	≤ 0.050	ppm
B (Boron)	≤ 0.100	ppm
Ba (Barium)	≤ 0.010	ppm
Be (Beryllium)	≤ 0.010	ppm
Bi (Bismuth)	≤ 0.050	ppm
Ca (Calcium)	≤ 0.500	ppm
Cd (Cadmium)	≤ 0.010	ppm
Co (Cobalt)	≤ 0.010	ppm
Cr (Chromium)	≤ 0.010	ppm
Cu (Copper)	≤ 0.010	ppm
Fe (Iron)	≤ 0.100	ppm
Ga (Gallium)	≤ 0.050	ppm
Ge (Germanium)	≤ 0.020	ppm
Hg (Mercury)	≤ 0.010	ppm
K (Potassium)	≤ 0.100	ppm
Li (Lithium)	≤ 0.010	ppm
Mg (Magnesium)	≤ 0.300	ppm
Mn (Manganese)	≤ 0.010	ppm
Mo (Molybdenum)	≤ 0.010	ppm
NH ₄ (Ammonium)	≤ 1	ppm
Na (Sodium)	≤ 0.500	ppm
Ni (Nickel)	≤ 0.020	ppm
Pb (Lead)	≤ 0.010	ppm
Pt (Platinum)	≤ 0.100	ppm
Sn (Tin)	≤ 0.200	ppm
Sr (Strontium)	≤ 0.010	ppm
Ti (Titanium)	≤ 0.020	ppm

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Tl (Thallium)	≤ 0.020	ppm
V (Vanadium)	≤ 0.010	ppm
Zn (Zinc)	≤ 0.300	ppm
Zr (Zirconium)	≤ 0.020	ppm
Residue on ignition (as SO ₄)	≤ 3	ppm
Non volatile matter	≤ 10	ppm

Conforms to the ACS specification for general use.

Expiry date : see product label

Dr. Nina Hegmann

Responsible laboratory manager quality control

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