



Specification

1.00316.0000 Hydrochloric acid 25% for analysis EMSURE®

	Specification	
Assay (alkalimetric)	≥ 25.0	%
Color	≤ 10	Hazen
Bromide (Br)	≤ 50	ppm
Free chlorine (Cl)	≤ 0.5	ppm
Sulfate (SO ₄)	≤ 1	ppm
Sulfite (SO ₃)	≤ 1	ppm
Al (Aluminium)	≤ 0.050	ppm
As (Arsenic)	≤ 0.01	ppm
Ba (Barium)	≤ 0.020	ppm
Be (Beryllium)	≤ 0.020	ppm
Bi (Bismuth)	≤ 0.100	ppm
Ca (Calcium)	≤ 0.500	ppm
Cd (Cadmium)	≤ 0.010	ppm
Co (Cobalt)	≤ 0.010	ppm
Cr (Chromium)	≤ 0.020	ppm
Cu (Copper)	≤ 0.020	ppm
Fe (Iron)	≤ 0.200	ppm
Ge (Germanium)	≤ 0.050	ppm
K (Potassium)	≤ 0.100	ppm
Li (Lithium)	≤ 0.010	ppm
Mg (Magnesium)	≤ 0.100	ppm
Mn (Manganese)	≤ 0.010	ppm
Mo (Molybdenum)	≤ 0.020	ppm
NH ₄ (Ammonium)	≤ 1	ppm
Na (Sodium)	≤ 0.500	ppm
Ni (Nickel)	≤ 0.020	ppm
Pb (Lead)	≤ 0.020	ppm
Sr (Strontium)	≤ 0.010	ppm
Ti (Titanium)	≤ 0.100	ppm
Tl (Thallium)	≤ 0.050	ppm
V (Vanadium)	≤ 0.010	ppm
Zn (Zinc)	≤ 0.050	ppm
Zr (Zirconium)	≤ 0.100	ppm
Residue on ignition (as SO ₄)	≤ 5	ppm
Minimum shelf life: see product label		

Christian Herrmann
Responsible laboratory manager quality control

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