Specification

1.00519.0000 Perchloric acid 70-72% for analysis EMSURE® ACS,ISO,Reag. Ph Eur

	Specification	
Assay (acidimetric)	70.0 - 72.0	%
Identity	passes test	
Density (d 20/20)	approx. 1.7	
Color	≤ 10	Hazen
Chlorate (ClO_3)	≤ 10	ppm
Chloride (Cl)	≤ 3	ppm
Free chlorine (Cl)	≤ 0.5	ppm
Phosphate and Silicate (as SiO_2)	≤ 5	ppm
Sulfate (SO_4)	≤ 10	ppm
Total nitrogen (N)	≤ 10	ppm
Heavy metals (as Pb)	≤ 1	ppm
Ag (Silver)	≤ 0.1	ppm
Al (Aluminium)	≤ 0.05	ppm
As (Arsenic)	≤ 0.05	ppm
Ba (Barium)	≤ 0.02	ppm
Be (Beryllium)	≤ 0.02	ppm
Bi (Bismuth)	≤ 0.1	ppm
Ca (Calcium)	≤ 0.5	ppm
Cd (Cadmium)	≤ 0.05	ppm
Co (Cobalt)	≤ 0.05	ppm
Cu (Copper)	≤ 0.1	ppm
Fe (Iron)	≤ 1.0	ppm
Ge (Germanium)	≤ 0.05	ppm
K (Potassium)	≤ 0.1	ppm
Li (Lithium)	≤ 0.02	ppm
Mg (Magnesium)	≤ 0.5	ppm
Mn (Manganese)	≤ 0.02	ppm
Mo (Molybdenum)	≤ 0.05	ppm
Na (Sodium)	≤ 0.5	ppm
Ni (Nickel)	≤ 0.1	ppm
Pb (Lead)	≤ 0.05	ppm
Sr (Strontium)	≤ 0.02	ppm
Ti (Titanium)	≤ 0.1	ppm
Tl (Thallium)	≤ 0.05	ppm
V (Vanadium)	≤ 0.05	ppm
Zn (Zinc)	≤ 0.1	ppm
Zr (Zirconium)	≤ 0.1	ppm
Residue on ignition (as sulfate)	≤ 0.003	%

conforms to ACS, ISO, Reag. Ph Eur

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Responsible laboratory manager quality control

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