



Specification

1.00334.0500 Hydrofluoric acid 48% for analysis EMSURE® ACS,ISO,Reag. Ph Eur

Specification		
Assay (acidimetric)	48.0 - 51.0	%
Color	≤ 10	Hazen
Chloride (Cl)	≤ 1	ppm
Hexafluorosilicate (SiF ₆)	≤ 50	ppm
Nitrate (NO ₃)	≤ 5	ppm
Phosphate (PO ₄)	≤ 0.5	ppm
Sulfate and sulphite (as SO ₄)	≤ 5	ppm
Heavy metals (as Pb)	≤ 0.5	ppm
Ag (Silver)	≤ 0.020	ppm
Al (Aluminium)	≤ 0.050	ppm
As (Arsenic)	≤ 0.030	ppm
Au (Gold)	≤ 0.100	ppm
B (Boron)	≤ 0.050	ppm
Ba (Barium)	≤ 0.010	ppm
Be (Beryllium)	≤ 0.020	ppm
Bi (Bismuth)	≤ 0.020	ppm
Ca (Calcium)	≤ 0.200	ppm
Cd (Cadmium)	≤ 0.010	ppm
Co (Cobalt)	≤ 0.020	ppm
Cr (Chromium)	≤ 0.010	ppm
Cu (Copper)	≤ 0.020	ppm
Fe (Iron)	≤ 0.100	ppm
Ga (Gallium)	≤ 0.020	ppm
Ge (Germanium)	≤ 0.020	ppm
In (Indium)	≤ 0.020	ppm
K (Potassium)	≤ 0.100	ppm
Li (Lithium)	≤ 0.010	ppm
Mg (Magnesium)	≤ 0.100	ppm
Mn (Manganese)	≤ 0.030	ppm
Mo (Molybdenum)	≤ 0.020	ppm
Na (Sodium)	≤ 0.200	ppm
Ni (Nickel)	≤ 0.020	ppm
Pb (Lead)	≤ 0.020	ppm
Pt (Platinum)	≤ 0.200	ppm
Sn (Tin)	≤ 0.100	ppm
Sr (Strontium)	≤ 0.020	ppm
Ti (Titanium)	≤ 0.020	ppm
Tl (Thallium)	≤ 0.020	ppm
V (Vanadium)	≤ 0.020	ppm
Zn (Zinc)	≤ 0.050	ppm
Zr (Zirconium)	≤ 0.020	ppm

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Residue on ignition (as sulfates) ≤ 5 ppm

Dr. Manuel Schaffroth
Responsible laboratory manager quality control

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