

Hydrochloric Acid 37%, VLSI

HCl	FW. 36.46	Density 1 L = 1.19 Kg.
CAS-No.	7647-01-0	Melting Point - 30 °C
Code	VL1107	Boiling Point 51 °C

Specifications

Assay (by acidimetry)	36.5 - 38.0%
Appearance	Passes test
Color (APHA)	10 max.
Residue after Ignition	2 ppm max.
Ammonium (NH ₄)	1 ppm max.
Free Chlorine (Cl)	0.5 ppm max.
Bromide (Br)	10 ppm max.
Phosphate (PO ₄)	0.05 ppm max.
Sulfate (SO ₄)	0.5 ppm max.
Sulfite (SO ₃)	0.5 ppm max.
Aluminium (Al)	20 ppb max.
Antimony (Sb)	1 ppb max.
Arsenic (As)	1 ppb max.
Barium (Ba)	5 ppb max.
Beryllium (Be)	1 ppb max.
Bismuth (Bi)	5 ppb max.
Boron (B)	10 ppb max.
Cadmium (Cd)	1 ppb max.
Calcium (Ca)	50 ppb max.
Chromium (Cr)	1 ppb max.
Cobalt (Co)	1 ppb max.
Copper (Cu)	1 ppb max.
Gallium (Ga)	1 ppb max.
Germanium (Ge)	5 ppb max.
Gold (Au)	1 ppb max.
Indium (In)	1 ppb max.
Iron (Fe)	50 ppb max.
Lead (Pb)	5 ppb max.
Lithium (Li)	1 ppb max.
Magnesium (Mg)	20 ppb max.
Manganese (Mn)	5 ppb max.
Molybdenum (Mo)	1 ppb max.
Nickel (Ni)	1 ppb max.
Platinum (Pt)	1 ppb max.
Potassium (K)	20 ppb max.
Silver (Ag)	5 ppb max.
Sodium (Na)	50 ppb max.
Strontium (Sr)	1 ppb max.
Thallium (Tl)	1 ppb max.
Tin (Sn)	5 ppb max.
Titanium (Ti)	10 ppb max.
Vanadium (V)	10 ppb max.
Zinc (Zn)	20 ppb max.
Zirconium (Zr)	1 ppb max.
Particle/ml	
0.5 µm and greater	250 max.
1.0 µm and greater	10 max.

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