

Hydrochloric Acid 37%, VLSI

HCl FW. 36.46
CAS-No. 7647-01-0
Code **VL1107**

Density 1 L = 1.19 Kg.
Melting Point - 30 °C
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.

Product passed through 1 micron final filter.

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S-QC03-VL-A-H037 / RV.03 / Eff.date 08-11-24