

Hydrochloric Acid 37%, Semig

HCl	FW. 36.46	Density 1 L = 1.19 Kg.
CAS-No.	7647-01-0	Melting Point - 30 °C
Code	SM1107	Boiling Point 61 °C

Specifications

Assay (by acidimetry)	36.5 - 38.0%	
Appearance	Passes test	
Color (APHA)	10	max.
Residue after Ignition	3	ppm max.
Ammonium (NH ₄)	1	ppm max.
Free Chlorine (Cl)	1	ppm max.
Bromide (Br)	10	ppm max.
Phosphate (PO ₄)	0.05	ppm max.
Sulfate (SO ₄)	0.5	ppm max.
Sulfite (SO ₃)	0.8	ppm max.
Extractable Organic Substance	5	ppm max.
Heavy metals (as Pb)	0.1	ppm max.
Aluminium (Al)	0.3	ppm max.
Antimony (Sb)	0.005	ppm max.
Arsenic (As)	0.005	ppm max.
Boron (B)	0.1	ppm max.
Calcium (Ca)	0.3	ppm max.
Chromium (Cr)	0.1	ppm max.
Copper (Cu)	0.05	ppm max.
Gold (Au)	0.3	ppm max.
Iron (Fe)	0.2	ppm max.
Lead (Pb)	0.1	ppm max.
Magnesium (Mg)	0.3	ppm max.
Manganese (Mn)	0.3	ppm max.
Nickel (Ni)	0.03	ppm max.
Potassium (K)	0.3	ppm max.
Sodium (Na)	0.3	ppm max.
Tin (Sn)	0.3	ppm max.
Titanium (Ti)	0.1	ppm max.
Zinc (Zn)	0.1	ppm max.

TN_26-08-2009

S-QC03-SM-A-H037 / RV.00 / Eff.date 01-11-12