

**Hydrochloric Acid 32% , RCI Premium**

HCl	FW. 36.46	Density 1 L	= 1.16 Kg.
CAS-No.	7647-01-0	Melting Point	- 40 °C
Code	RP1104	Boiling Point	85 °C

**Specifications**

Assay (by acidimetry)	32%	min.
Appearance of solution	Passes test	
Color (APHA)	10	max.
Residue after ignition	0.0003%	max.
Extractable Organic Substance	0.0005%	max.
Free Chlorine (as Cl)	0.0001%	max.
Ammonium (NH <sub>4</sub> )	0.0001%	max.
Bromide (Br)	0.001%	max.
Phosphate (PO <sub>4</sub> )	0.00005%	max.
Sulfate (SO <sub>4</sub> )	0.00005%	max.
Sulfite (SO <sub>3</sub> )	0.00008%	max.
Aluminium (Al)	0.00001%	max.
Heavy metal (as Pb)	0.00001%	max.
Arsenic and Antimony (as As)	0.0000005%	max.
Barium (Ba)	0.00002%	max.
Boron (B)	0.000005%	max.
Cadmium (Cd)	0.000001%	max.
Calcium (Ca)	0.00003%	max.
Chromium (Cr)	0.00001%	max.
Cobalt (Co)	0.000001%	max.
Copper (Cu)	0.000002%	max.
Gold (Au)	0.00001%	max.
Iron (Fe)	0.00001%	max.
Lead (Pb)	0.000001%	max.
Magnesium (Mg)	0.00003%	max.
Manganese (Mn)	0.000002%	max.
Mercury (Hg)	0.0000005%	max.
Molybdenum (Mo)	0.000002%	max.
Nickel (Ni)	0.000005%	max.
Potassium (K)	0.00003%	max.
Sodium (Na)	0.00003%	max.
Strontium (Sr)	0.000002%	max.
Tin (Sn)	0.00003%	max.
Titanium (Ti)	0.00001%	max.
Zinc (Zn)	0.000002%	max.