

## Hydrochloric Acid 36%, RCI Premium

HCl	FW. 36.46	Density 1 L	= 1.18 Kg.
CAS-No.	7647-01-0	Melting Point	- 30 °C
Code	<a href="#">RP1106</a>	Boiling Point	61 °C

### Specifications

(Meet A.C.S. Specifications)

Assay (by acidimetry)	36.5 - 38.0%	
Appearance of solution	Passes test	
Color (APHA)	10	max.
Residue after ignition	3	ppm max.
Extractable Organic Substance	5	ppm max.
Free Chlorine (as Cl)	1	ppm max.
Ammonium (NH <sub>4</sub> )	1	ppm max.
Bromide (Br)	10	ppm max.
Phosphate (PO <sub>4</sub> )	0.5	ppm max.
Sulfate (SO <sub>4</sub> )	0.5	ppm max.
Sulfite (SO <sub>3</sub> )	0.8	ppm max.
Aluminium (Al)	0.1	ppm max.
Heavy metal (as Pb)	0.1	ppm max.
Arsenic and Antimony (as As)	0.005	ppm max.
Barium (Ba)	0.2	ppm max.
Boron (B)	0.05	ppm max.
Cadmium (Cd)	0.01	ppm max.
Calcium (Ca)	0.3	ppm max.
Chromium (Cr)	0.1	ppm max.
Cobalt (Co)	0.01	ppm max.
Copper (Cu)	0.02	ppm max.
Gold (Au)	0.1	ppm max.
Iron (Fe)	0.1	ppm max.
Lead (Pb)	0.01	ppm max.
Magnesium (Mg)	0.3	ppm max.
Manganese (Mn)	0.02	ppm max.
Mercury (Hg)	0.005	ppm max.
Molybdenum (Mo)	0.02	ppm max.
Nickel (Ni)	0.05	ppm max.
Potassium (K)	0.3	ppm max.
Sodium (Na)	0.3	ppm max.
Strontium (Sr)	0.02	ppm max.
Tin (Sn)	0.3	ppm max.
Titanium (Ti)	0.1	ppm max.
Zinc (Zn)	0.02	ppm max.

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S-QC03-RP-A-H036 / RV.00 / Eff.date 01-11-12