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## Typical Product Specifications & Properties

# Hydrochloric Acid - Reagent Grade ACS

CAS Number: : 7647-01-0

Specifications	Limits
Density	1.639 g/l (gas, 0 c), 1.194 (liq., -26 c)
Assay	36.5 - 38%
Sulfate	1 ppm
Free Chlorine	1 ppm
Heavy Metals	1 ppm
Iron	0.2 ppm
Appearance	Free from suspended matter or sediment
Color (APHA)	10 max
Residue after ignition	5 ppm
Sulfite	1 ppm
Ammonium	3 ppm
Arsenic	0.01 ppm



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Specifications	Limits
pH	1.1 (0.1 n soln.)
Melting Point	-114.3 c
Insolubility	in hydrocarbons
Odor	pungent odor
Molecular weight	36.46
Color	colorless fuming gas or liquid
Solubility	water, alcohol, ether, benzene
Boiling Point	-84.8 c



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