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Typical Product Specifications & Properties

Hydrochloric Acid - Drilling Grade

CAS Number: : 7647-01-0

Specifications	Limits
Density	1.639 g/l (gas, 0 c), 1.194 (liq., -26 c)
Color (APHA)	15.0 Max
Calcium	2.0 ppm Max
Free Chlorine	3.0 ppm Max (as Cl ₂)
Lead	0.2 ppm Max
Fluoride	2.0 ppm Max
Degrees Baumé	20.0 - 23.0
HCl Content	31.5 - 38.0% by weight
Arsenic	0.1 ppm Max
Iron	0.5 ppm Max
Sulfate	10.0 ppm Max
Bromide	50.0 ppm Max



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Specifications	Limits
Organics	1.0 ppm Max
Non-Volatile Residue	15.0 ppm Max
pH	1.1 (0.1 n soln.)
Insolubility	in hydrocarbons
Melting Point	-114.3 c
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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