



SOLVENTS & PETROLEUM

SERVICE

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Hydrochloric Acid, Semi Grade

<u>Specification</u>	<u>Maximum Limits</u>
Assay (HCL)	36.5-38%
Color (APHA)	10
Extractable Organic Substances	5 ppm
Free Halogen (as Cl ₂)	Passes test
Residue after Ignition	5 ppm
Sulfate (SO ₄)	0.5 ppm
Sulfite (SO ₃)	0.8 ppm
Phosphate (PO ₄)	0.05 ppm
Heavy Metals (as Pb)	0.1 ppm
Arsenic & Antimony (as As)	0.005 ppm
Aluminum (Al)	1 ppm
Barium (Ba)	1 ppm
Boron (B)	0.1 ppm
Cadmium (Cd)	1 ppm
Calcium (Ca)	1 ppm
Chromium (Cr)	0.5 ppm
Cobalt (Co)	0.1 ppm
Copper (Cu)	0.1 ppm
Gallium (Ga)	0.5 ppm
Germanium (Ge)	1 ppm
Gold (Au)	0.5 ppm
Iron (Fe)	0.2 ppm
Lithium (Li)	1 ppm
Magnesium (Mg)	1 ppm
Manganese (Mn)	1 ppm
Nickel (Ni)	0.1 ppm
Potassium (K)	1 ppm
Silicon (Si)	1 ppm
Silver (Ag)	0.1 ppm
Sodium (Na)	1 ppm
Strontium (Sr)	1 ppm
Tin (Sn)	1 ppm
Zinc (Zn)	1 ppm

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For detailed safety and handling information regarding these products, please refer to the respective Solvents and Petroleum Service, Inc. Safety Data Sheets (SDS).