



Hydrochloric Acid Analyze (HCL) - Semnan

No.	Physical & Chemical Property	Standard Limit	Product Specification (Chloran Chemical Co.)	Reference Standard
1	Concentration (as HCl), wt%	Min 30	31–33	ISIRI 209
2	Density at 20°C, g/mL	Min 1.15	Min 1.15	ISIRI 209
3	Sulfate (as SO ₄ ²⁻), ppm	Max 100	Max 50	ISIRI 209
4	Heavy metals (as Pb), ppm	Max 2	Max 2	ISIRI 209
5	Free chlorine and bromine (as Cl), ppm	Max 20	Max 18	ISIRI 209
6	Iron (as Fe), ppm	Max 5	Max 0.5	ISIRI 209
7	Sulfite (as SO ₃ ²⁻), ppm	Max 50	Max 50	ISIRI 209
8	Arsenic (as As), ppm	Max 1	Max 1	ISIRI 209
9	Mercury (as Hg), ppm	Max 1	Max 0.25	ISIRI 209
10	Copper (as Cu), ppm	Max 1	Max 0.9	ISIRI 209
11	Lead (as Pb), ppm	Max 1	Max 1	ISIRI 209

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