

Hydrochloric Acid 37%, VLSI

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|---------|-----------|--------------------|-----|
| HCl | FW. 36.46 | Density 1 L = 1.19 | Kg. |
| CAS-No. | 7647-01-0 | Melting Point - 30 | °C |
| Code | VL1107 | Boiling Point 61 | °C |

Specifications

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|------------------------------|---------------|
| Assay (by acidimetry) | 36.5 - 38.0% |
| Appearance | Passes test |
| Color (APHA) | 10 max. |
| Residue after Ignition | 2 ppm max. |
| Ammonium (NH ₄) | 1 ppm max. |
| Free Chlorine (Cl) | 0.5 ppm max. |
| Bromide (Br) | 10 ppm max. |
| Phosphate (PO ₄) | 0.05 ppm max. |
| Sulfate (SO ₄) | 0.5 ppm max. |
| Sulfite (SO ₃) | 0.5 ppm max. |
| Aluminium (Al) | 20 ppb max. |
| Antimony (Sb) | 1 ppb max. |
| Arsenic (As) | 1 ppb max. |
| Barium (Ba) | 5 ppb max. |
| Beryllium (Be) | 1 ppb max. |
| Bismuth (Bi) | 5 ppb max. |
| Boron (B) | 10 ppb max. |
| Cadmium (Cd) | 1 ppb max. |
| Calcium (Ca) | 50 ppb max. |
| Chromium (Cr) | 1 ppb max. |
| Cobalt (Co) | 1 ppb max. |
| Copper (Cu) | 1 ppb max. |
| Gallium (Ga) | 1 ppb max. |
| Gold (Au) | 1 ppb max. |
| Indium (In) | 1 ppb max. |
| Iron (Fe) | 50 ppb max. |
| Lead (Pb) | 5 ppb max. |
| Lithium (Li) | 1 ppb max. |
| Magnesium (Mg) | 20 ppb max. |
| Manganese (Mn) | 5 ppb max. |
| Molybdenum (Mo) | 1 ppb max. |
| Nickel (Ni) | 1 ppb max. |
| Platinum (Pt) | 1 ppb max. |
| Potassium (K) | 20 ppb max. |
| Silver (Ag) | 5 ppb max. |
| Sodium (Na) | 50 ppb max. |
| Strontium (Sr) | 1 ppb max. |
| Thallium (Tl) | 1 ppb max. |
| Tin (Sn) | 5 ppb max. |
| Titanium (Ti) | 10 ppb max. |
| Vanadium (V) | 10 ppb max. |
| Zinc (Zn) | 20 ppb max. |
| Zirconium (Zr) | 1 ppb max. |
| Particle/ml | |
| 0.5 µm and greater | 250 max. |
| 1.0 µm and greater | 10 max. |

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