

Certificate of Analysis



Date of Release: 12/2/2024
 Name: Hydrochloric Acid
 GR ACS
 Meets ACS Specifications
 Item No: HX0603 all size codes
 Lot / Batch No: 2024112175
 Country of Origin: USA

501329
 H2505-2.5L

| Characteristic | Requirement | | Results | Units |
|---------------------------|-------------|-------|-------------|-------|
| | Min. | Max. | | |
| Aluminum (Al) | | 0.3 | < 0.3 | ppm |
| Ammonium (NH4) | | 3 | < 3 | ppm |
| Appearance | | | Passes test | |
| Arsenic (As) | | 0.01 | < 0.01 | ppm |
| Assay | 36.5 | 38.0 | 37.4 | % |
| Bromide (Br) | | 0.005 | < 0.005 | % |
| Calcium (Ca) | | 0.3 | < 0.3 | ppm |
| Chromium (Cr) | | 0.2 | < 0.2 | ppm |
| Color (APHA) | | 10 | < 10 | |
| Copper (Cu) | | 0.1 | < 0.1 | ppm |
| Free chlorine (as Cl) | | 1 | < 1 | ppm |
| Gold (Au) | | 0.3 | < 0.3 | ppm |
| Heavy Metals (by ICP-OES) | | 1 | < 1 | ppm |
| Iron (Fe) | | 0.2 | < 0.2 | ppm |
| Lead (Pb) | | 0.1 | < 0.1 | ppm |
| Magnesium (Mg) | | 0.3 | < 0.3 | ppm |
| Manganese (Mn) | | 0.3 | < 0.3 | ppm |
| Mercury (Hg) | | 0.005 | < 0.005 | ppm |
| Nickel (Ni) | | 0.1 | < 0.1 | ppm |
| Potassium (K) | | 0.3 | < 0.3 | ppm |
| Residue after ignition | | 5 | < 5 | ppm |
| Sodium (Na) | | 0.3 | < 0.3 | ppm |
| Sulfate (SO4) | | 1 | < 1 | ppm |
| Sulfite (SO3) | | 1 | < 1 | ppm |
| Tin (Sn) | | 0.3 | < 0.3 | ppm |
| Titanium (Ti) | | 0.3 | < 0.3 | ppm |
| Zinc (Zn) | | 0.3 | < 0.3 | ppm |

Michael Hutchinson,

Quality Control Manager

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