

| Test | Specification | Result |
|--------------------------------------|---------------|----------|
| Color (APHA) | ≤ 10 | < 10 |
| Assay (HClO ₄) | 69 – 72 % | 70% |
| Trace Impurities – Aluminum (Al) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Antimony (Sb) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Arsenic (As) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Barium (Ba) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Beryllium (Be) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Bismuth (Bi) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Cadmium (Cd) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Calcium (Ca) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Cerium (Ce) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Cesium (Cs) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Cobalt (Co) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Copper (Cu) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Dysprosium (Dy) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Erbium (Er) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Europium (Eu) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Gadolinium (Gd) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Gallium (Ga) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Gold (Au) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Holmium (Ho) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Indium (In) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Iron (Fe) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Lanthanum (La) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Lead (Pb) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Lithium (Li) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Lutetium (Lu) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Magnesium (Mg) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Manganese (Mn) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Molybdenum (Mo) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Neodymium (Nd) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Nickel (Ni) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Palladium (Pd) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Platinum (Pt) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Potassium (K) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Praseodymium (Pr) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Rhodium (Rh) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Rubidium (Rb) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Samarium (Sm) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Scandium (Sc) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Silver (Ag) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Sodium (Na) | ≤ 50 ppb | ≤ 30 ppb |
| Trace Impurities – Chromium (Cr) | ≤ 50 ppb | ≤ 20 ppb |
| Trace Impurities – Strontium (Sr) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Tellurium (Te) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Terbium (Tb) | ≤ 50 ppb | ≤ 10 ppb |

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| Trace Impurities – Thallium (Tl) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Thorium (Th) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Thulium (Tm) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Tin (Sn) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Titanium (Ti) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Uranium (U) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Vanadium (V) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Ytterbium (Yb) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Yttrium (Y) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Zinc (Zn) | ≤ 50 ppb | ≤ 10 ppb |
| Trace Impurities – Zirconium (Zr) | ≤ 50 ppb | ≤ 10 ppb |