



ICP Single and Multi-Component Standards

ISO 9001:2015 Registered • ISO/IEC 17025:2017 Accredited • ISO 17034:2016 Accredited

ICP Single and Multi-Component Standards

We offer a broad range of ISO 17034:2016 certified single and multi-component ICP-OES standards. The accuracy of all standards is verified against NIST Spectrometric Standard Solutions where available (otherwise against an ISO 17034 second source Certified Reference Material). We offer single-component standards in the broadest range of matrices available. You can locate the element alphabetically by name, or search by part number. The part number is based upon concentration (100, 1,000, or 10,000 (referred to as 10M)); the last 2 digits of the associated NIST SRM 3100 series; and the matrix: HNO₃ (-1), HCl (-2), HNO₃ + HF (-3), H₂O (-4), other options (-5 and up). Thus a 1,000 µg/mL solution of aluminum in nitric acid is 10001-1; a 10,000 µg/mL solution of tin in nitric and hydrofluoric acids is 10M61-3; and a 100 µg/mL solution of gold in hydrochloric acid is 100-21-2. The aluminum solution is traceable to the NIST SRM 3101, the tin to NIST SRM 3161, and the gold to NIST SRM 3121.

| ICP Single-Component Standards | | | | |
|--------------------------------|---------------|--|--------|-------------|
| Component | Concentration | Matrix | Volume | Part # |
| Aluminum | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-1-1-100 |
| Aluminum | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-1-1-250 |
| Aluminum | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-1-1-500 |
| Aluminum | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 10001-1-50 |
| Aluminum | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 10001-1-100 |
| Aluminum | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 10001-1-250 |
| Aluminum | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 10001-1-500 |
| Aluminum | 1,000 µg/mL | 2% HCl | 100 mL | 10001-2-100 |
| Aluminum | 1,000 µg/mL | 2% HCl | 250 mL | 10001-2-250 |
| Aluminum | 1,000 µg/mL | 2% HCl | 500 mL | 10001-2-500 |
| Aluminum | 10,000 µg/mL | 10% HNO ₃ | 100 mL | 10M1-1-100 |
| Aluminum | 10,000 µg/mL | 10% HNO ₃ | 250 mL | 10M1-1-250 |
| Aluminum | 10,000 µg/mL | 10% HNO ₃ | 500 mL | 10M1-1-500 |
| Aluminum | 10,000 µg/mL | 10% HCl | 100 mL | 10M1-2-100 |
| Aluminum | 10,000 µg/mL | 10% HCl | 250 mL | 10M1-2-250 |
| Aluminum | 10,000 µg/mL | 10% HCl | 500 mL | 10M1-2-500 |
| Antimony | 100 µg/mL | 2% HNO ₃ + Tr HF | 100 mL | 100-2-3-100 |
| Antimony | 100 µg/mL | 2% HNO ₃ + Tr HF | 250 mL | 100-2-3-250 |
| Antimony | 100 µg/mL | 2% HNO ₃ + Tr HF | 500 mL | 100-2-3-500 |
| Antimony | 1,000 µg/mL | 20% HCl | 50 mL | 10002-2-50 |
| Antimony | 1,000 µg/mL | 20% HCl | 100 mL | 10002-2-100 |
| Antimony | 1,000 µg/mL | 20% HCl | 250 mL | 10002-2-250 |
| Antimony | 1,000 µg/mL | 20% HCl | 500 mL | 10002-2-500 |
| Antimony | 1,000 µg/mL | 5% HNO ₃ + 0.1% HF | 50 mL | 10002-3-50 |
| Antimony | 1,000 µg/mL | 5% HNO ₃ + 0.1% HF | 100 mL | 10002-3-100 |
| Antimony | 1,000 µg/mL | 5% HNO ₃ + 0.1% HF | 250 mL | 10002-3-250 |
| Antimony | 1,000 µg/mL | 5% HNO ₃ + 0.1% HF | 500 mL | 10002-3-500 |
| Antimony | 1,000 µg/mL | 5% Tartaric Acid + 2% HNO ₃ | 100 mL | 10002-8-100 |
| Antimony | 1,000 µg/mL | 5% Tartaric Acid + 2% HNO ₃ | 250 mL | 10002-8-250 |
| Antimony | 1,000 µg/mL | 5% Tartaric Acid + 2% HNO ₃ | 500 mL | 10002-8-500 |
| Antimony | 10,000 µg/mL | 50% HCl | 100 mL | 10M2-2-100 |
| Antimony | 10,000 µg/mL | 50% HCl | 250 mL | 10M2-2-250 |
| Antimony | 10,000 µg/mL | 50% HCl | 500 mL | 10M2-2-500 |
| Antimony | 10,000 µg/mL | 10% HNO ₃ + 2% HF | 100 mL | 10M2-3-100 |
| Antimony | 10,000 µg/mL | 10% HNO ₃ + 2% HF | 250 mL | 10M2-3-250 |
| Antimony | 10,000 µg/mL | 10% HNO ₃ + 2% HF | 500 mL | 10M2-3-500 |
| Arsenic | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-3-1-100 |
| Arsenic | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-3-1-250 |
| Arsenic | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-3-1-500 |
| Arsenic | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 10003-1-50 |
| Arsenic | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 10003-1-100 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|-----------|---------------|----------------------|--------|-------------|
| Arsenic | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 10003-1-250 |
| Arsenic | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 10003-1-500 |
| Arsenic | 1,000 µg/mL | 2% HCl | 100 mL | 10003-2-100 |
| Arsenic | 1,000 µg/mL | 2% HCl | 250 mL | 10003-2-250 |
| Arsenic | 1,000 µg/mL | 2% HCl | 500 mL | 10003-2-500 |
| Arsenic | 10,000 µg/mL | 20% HNO ₃ | 100 mL | 10M3-1-100 |
| Arsenic | 10,000 µg/mL | 20% HNO ₃ | 250 mL | 10M3-1-250 |
| Arsenic | 10,000 µg/mL | 20% HNO ₃ | 500 mL | 10M3-1-500 |
| Arsenic | 10,000 µg/mL | 10% HCl | 100 mL | 10M3-2-100 |
| Arsenic | 10,000 µg/mL | 10% HCl | 250 mL | 10M3-2-250 |
| Arsenic | 10,000 µg/mL | 10% HCl | 500 mL | 10M3-2-500 |
| Barium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-4-1-100 |
| Barium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-4-1-250 |
| Barium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-4-1-500 |
| Barium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 10004-1-50 |
| Barium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 10004-1-100 |
| Barium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 10004-1-250 |
| Barium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 10004-1-500 |
| Barium | 1,000 µg/mL | 2% HCl | 100 mL | 10004-2-100 |
| Barium | 1,000 µg/mL | 2% HCl | 250 mL | 10004-2-250 |
| Barium | 1,000 µg/mL | 2% HCl | 500 mL | 10004-2-500 |
| Barium | 10,000 µg/mL | 2% HNO ₃ | 100 mL | 10M4-1-100 |
| Barium | 10,000 µg/mL | 2% HNO ₃ | 250 mL | 10M4-1-250 |
| Barium | 10,000 µg/mL | 2% HNO ₃ | 500 mL | 10M4-1-500 |
| Barium | 10,000 µg/mL | 5% HCl | 100 mL | 10M4-2-100 |
| Barium | 10,000 µg/mL | 5% HCl | 250 mL | 10M4-2-250 |
| Barium | 10,000 µg/mL | 5% HCl | 500 mL | 10M4-2-500 |
| Beryllium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-5-1-100 |
| Beryllium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-5-1-250 |
| Beryllium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-5-1-500 |
| Beryllium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 10005-1-50 |
| Beryllium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 10005-1-100 |
| Beryllium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 10005-1-250 |
| Beryllium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 10005-1-500 |
| Beryllium | 1,000 µg/mL | 2% HCl | 100 mL | 10005-2-100 |
| Beryllium | 1,000 µg/mL | 2% HCl | 250 mL | 10005-2-250 |
| Beryllium | 1,000 µg/mL | 2% HCl | 500 mL | 10005-2-500 |
| Beryllium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M5-1-100 |
| Beryllium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M5-1-250 |
| Beryllium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M5-1-500 |
| Beryllium | 10,000 µg/mL | 10% HCl | 100 mL | 10M5-2-100 |
| Bismuth | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-6-1-100 |
| Bismuth | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-6-1-250 |
| Bismuth | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-6-1-500 |
| Bismuth | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 10006-1-50 |
| Bismuth | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 10006-1-100 |
| Bismuth | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 10006-1-250 |
| Bismuth | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 10006-1-500 |
| Bismuth | 1,000 µg/mL | 2% HCl | 50 mL | 10006-2-50 |
| Bismuth | 1,000 µg/mL | 2% HCl | 100 mL | 10006-2-100 |
| Bismuth | 1,000 µg/mL | 2% HCl | 250 mL | 10006-2-250 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|-----------|---------------|-----------------------|--------|--------------|
| Bismuth | 1,000 µg/mL | 2% HCl | 500 mL | 10006-2-500 |
| Bismuth | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M6-1-100 |
| Bismuth | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M6-1-250 |
| Bismuth | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M6-1-500 |
| Boron | 100 µg/mL | H ₂ O | 100 mL | 100-7-4-100 |
| Boron | 100 µg/mL | H ₂ O | 250 mL | 100-7-4-250 |
| Boron | 1,000 µg/mL | H ₂ O | 50 mL | 10007-4-50 |
| Boron | 1,000 µg/mL | H ₂ O | 100 mL | 10007-4-100 |
| Boron | 1,000 µg/mL | H ₂ O | 250 mL | 10007-4-250 |
| Boron | 1,000 µg/mL | H ₂ O | 500 mL | 10007-4-500 |
| Boron | 5,000 µg/mL | H ₂ O | 100 mL | 5M7-4-100 |
| Boron | 5,000 µg/mL | H ₂ O | 250 mL | 5M7-4-250 |
| Boron | 5,000 µg/mL | H ₂ O | 500 mL | 5M7-4-500 |
| Boron | 10,000 µg/mL | 2% NH ₄ OH | 100 mL | 10M7-7-100 |
| Boron | 10,000 µg/mL | 2% NH ₄ OH | 250 mL | 10M7-7-250 |
| Boron | 10,000 µg/mL | 2% NH ₄ OH | 500 mL | 10M7-7-500 |
| Cadmium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-8-1-100 |
| Cadmium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-8-1-250 |
| Cadmium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-8-1-500 |
| Cadmium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 10008-1-50 |
| Cadmium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 10008-1-100 |
| Cadmium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 10008-1-250 |
| Cadmium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 10008-1-500 |
| Cadmium | 1,000 µg/mL | 2% HCl | 50 mL | 10008-2-50 |
| Cadmium | 1,000 µg/mL | 2% HCl | 100 mL | 10008-2-100 |
| Cadmium | 1,000 µg/mL | 2% HCl | 250 mL | 10008-2-250 |
| Cadmium | 1,000 µg/mL | 2% HCl | 500 mL | 10008-2-500 |
| Cadmium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M8-1-100 |
| Cadmium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M8-1-250 |
| Cadmium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M8-1-500 |
| Cadmium | 10,000 µg/mL | 10% HCl | 100 mL | 10M8-2-100 |
| Cadmium | 10,000 µg/mL | 10% HCl | 500 mL | 10M8-2-500 |
| Calcium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-9-1-100 |
| Calcium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-9-1-250 |
| Calcium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-9-1-500 |
| Calcium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 10009-1-50 |
| Calcium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 10009-1-100 |
| Calcium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 10009-1-250 |
| Calcium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 10009-1-500 |
| Calcium | 1,000 µg/mL | 2% HCl | 100 mL | 10009-2-100 |
| Calcium | 1,000 µg/mL | 2% HCl | 250 mL | 10009-2-250 |
| Calcium | 1,000 µg/mL | 2% HCl | 500 mL | 10009-2-500 |
| Calcium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M9-1-100 |
| Calcium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M9-1-250 |
| Calcium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M9-1-500 |
| Calcium | 10,000 µg/mL | 5% HCl | 100 mL | 10M9-2-100 |
| Calcium | 10,000 µg/mL | 5% HCl | 250 mL | 10M9-2-250 |
| Calcium | 10,000 µg/mL | 5% HCl | 500 mL | 10M9-2-500 |
| Carbon | 1,000 µg/mL | H ₂ O | 100 mL | 100071-4-100 |
| Carbon | 1,000 µg/mL | H ₂ O | 250 mL | 100071-4-250 |
| Carbon | 1,000 µg/mL | H ₂ O | 500 mL | 100071-4-500 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|-----------|---------------|----------------------|--------|--------------|
| Carbon | 1,000 µg/mL | H ₂ O | 100 mL | 100071-9-100 |
| Carbon | 1,000 µg/mL | H ₂ O | 250 mL | 100071-9-250 |
| Carbon | 1,000 µg/mL | H ₂ O | 500 mL | 100071-9-500 |
| Cerium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-10-1-100 |
| Cerium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-10-1-250 |
| Cerium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-10-1-500 |
| Cerium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100010-1-50 |
| Cerium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100010-1-100 |
| Cerium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100010-1-250 |
| Cerium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100010-1-500 |
| Cerium | 1,000 µg/mL | 2% HCl | 100 mL | 100010-2-100 |
| Cerium | 1,000 µg/mL | 2% HCl | 250 mL | 100010-2-250 |
| Cerium | 1,000 µg/mL | 2% HCl | 500 mL | 100010-2-500 |
| Cerium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M10-1-100 |
| Cerium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M10-1-250 |
| Cerium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M10-1-500 |
| Cerium | 10,000 µg/mL | 10% HCl | 100 mL | 10M10-2-100 |
| Cerium | 10,000 µg/mL | 10% HCl | 250 mL | 10M10-2-250 |
| Cerium | 10,000 µg/mL | 10% HCl | 500 mL | 10M10-2-500 |
| Cesium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-11-1-100 |
| Cesium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-11-1-250 |
| Cesium | 1,000 µg/mL | 1% HNO ₃ | 50 mL | 100011-1-50 |
| Cesium | 1,000 µg/mL | 1% HNO ₃ | 100 mL | 100011-1-100 |
| Cesium | 1,000 µg/mL | 1% HNO ₃ | 250 mL | 100011-1-250 |
| Cesium | 1,000 µg/mL | 1% HNO ₃ | 500 mL | 100011-1-500 |
| Cesium | 1,000 µg/mL | 1% HCl | 100 mL | 100011-2-100 |
| Cesium | 1,000 µg/mL | 1% HCl | 250 mL | 100011-2-250 |
| Cesium | 1,000 µg/mL | 1% HCl | 500 mL | 100011-2-500 |
| Cesium | 10,000 µg/mL | 1% HNO ₃ | 100 mL | 10M11-1-100 |
| Cesium | 10,000 µg/mL | 1% HNO ₃ | 250 mL | 10M11-1-250 |
| Cesium | 10,000 µg/mL | 1% HNO ₃ | 500 mL | 10M11-1-500 |
| Cesium | 10,000 µg/mL | 1% HCl | 100 mL | 10M11-2-100 |
| Cesium | 10,000 µg/mL | 1% HCl | 250 mL | 10M11-2-250 |
| Cesium | 10,000 µg/mL | 1% HCl | 500 mL | 10M11-2-500 |
| Chromium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-12-1-100 |
| Chromium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-12-1-250 |
| Chromium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-12-1-500 |
| Chromium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100012-1-50 |
| Chromium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100012-1-100 |
| Chromium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100012-1-250 |
| Chromium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100012-1-500 |
| Chromium | 1,000 µg/mL | 2% HCl | 50 mL | 100012-2-50 |
| Chromium | 1,000 µg/mL | 2% HCl | 100 mL | 100012-2-100 |
| Chromium | 1,000 µg/mL | 2% HCl | 250 mL | 100012-2-250 |
| Chromium | 1,000 µg/mL | 2% HCl | 500 mL | 100012-2-500 |
| Chromium | 10,000 µg/mL | 10% HNO ₃ | 100 mL | 10M12-1-100 |
| Chromium | 10,000 µg/mL | 10% HNO ₃ | 250 mL | 10M12-1-250 |
| Chromium | 10,000 µg/mL | 10% HNO ₃ | 500 mL | 10M12-1-500 |
| Chromium | 10,000 µg/mL | 10% HCl | 100 mL | 10M12-2-100 |
| Chromium | 10,000 µg/mL | 10% HCl | 250 mL | 10M12-2-250 |
| Chromium | 10,000 µg/mL | 10% HCl | 500 mL | 10M12-2-500 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|------------|---------------|---------------------|--------|--------------|
| Cobalt | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-13-1-100 |
| Cobalt | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-13-1-250 |
| Cobalt | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-13-1-500 |
| Cobalt | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100013-1-50 |
| Cobalt | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100013-1-100 |
| Cobalt | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100013-1-250 |
| Cobalt | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100013-1-500 |
| Cobalt | 1,000 µg/mL | 2% HCl | 100 mL | 100013-2-100 |
| Cobalt | 1,000 µg/mL | 2% HCl | 250 mL | 100013-2-250 |
| Cobalt | 1,000 µg/mL | 2% HCl | 500 mL | 100013-2-500 |
| Cobalt | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M13-1-100 |
| Cobalt | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M13-1-250 |
| Cobalt | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M13-1-500 |
| Cobalt | 10,000 µg/mL | 10% HCl | 100 mL | 10M13-2-100 |
| Cobalt | 10,000 µg/mL | 10% HCl | 250 mL | 10M13-2-250 |
| Cobalt | 10,000 µg/mL | 10% HCl | 500 mL | 10M13-2-500 |
| Copper | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-14-1-100 |
| Copper | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-14-1-250 |
| Copper | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-14-1-500 |
| Copper | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100014-1-50 |
| Copper | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100014-1-100 |
| Copper | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100014-1-250 |
| Copper | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100014-1-500 |
| Copper | 1,000 µg/mL | 2% HCl | 100 mL | 100014-2-100 |
| Copper | 1,000 µg/mL | 2% HCl | 250 mL | 100014-2-250 |
| Copper | 1,000 µg/mL | 2% HCl | 500 mL | 100014-2-500 |
| Copper | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M14-1-100 |
| Copper | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M14-1-250 |
| Copper | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M14-1-500 |
| Copper | 10,000 µg/mL | 10% HCl | 100 mL | 10M14-2-100 |
| Copper | 10,000 µg/mL | 10% HCl | 250 mL | 10M14-2-250 |
| Copper | 10,000 µg/mL | 10% HCl | 500 mL | 10M14-2-500 |
| Dysprosium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-15-1-100 |
| Dysprosium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-15-1-250 |
| Dysprosium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100015-1-50 |
| Dysprosium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100015-1-100 |
| Dysprosium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100015-1-250 |
| Dysprosium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100015-1-500 |
| Dysprosium | 1,000 µg/mL | 2% HCl | 100 mL | 100015-2-100 |
| Dysprosium | 1,000 µg/mL | 2% HCl | 250 mL | 100015-2-250 |
| Dysprosium | 1,000 µg/mL | 2% HCl | 500 mL | 100015-2-500 |
| Dysprosium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M15-1-100 |
| Dysprosium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M15-1-250 |
| Dysprosium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M15-1-500 |
| Dysprosium | 10,000 µg/mL | 4% HCl | 100 mL | 10M15-2-100 |
| Dysprosium | 10,000 µg/mL | 4% HCl | 250 mL | 10M15-2-250 |
| Dysprosium | 10,000 µg/mL | 4% HCl | 500 mL | 10M15-2-500 |
| Erbium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-16-1-100 |
| Erbium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100016-1-50 |
| Erbium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100016-1-100 |
| Erbium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100016-1-250 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|------------|---------------|---------------------|--------|--------------|
| Erbium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100016-1-500 |
| Erbium | 1,000 µg/mL | 2% HCl | 100 mL | 100016-2-100 |
| Erbium | 1,000 µg/mL | 2% HCl | 250 mL | 100016-2-250 |
| Erbium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M16-1-100 |
| Erbium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M16-1-250 |
| Erbium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M16-1-500 |
| Erbium | 10,000 µg/mL | 4% HCl | 100 mL | 10M16-2-100 |
| Europium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-17-1-100 |
| Europium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100017-1-100 |
| Europium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100017-1-250 |
| Europium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100017-1-500 |
| Europium | 1,000 µg/mL | 2% HCl | 50 mL | 100017-2-50 |
| Europium | 1,000 µg/mL | 2% HCl | 100 mL | 100017-2-100 |
| Europium | 1,000 µg/mL | 2% HCl | 250 mL | 100017-2-250 |
| Europium | 1,000 µg/mL | 2% HCl | 500 mL | 100017-2-500 |
| Europium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M17-1-100 |
| Europium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M17-1-250 |
| Europium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M17-1-500 |
| Europium | 10,000 µg/mL | 4% HCl | 100 mL | 10M17-2-100 |
| Gadolinium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-18-1-100 |
| Gadolinium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-18-1-250 |
| Gadolinium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-18-1-500 |
| Gadolinium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100018-1-50 |
| Gadolinium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100018-1-100 |
| Gadolinium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100018-1-250 |
| Gadolinium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100018-1-500 |
| Gadolinium | 1,000 µg/mL | 2% HCl | 100 mL | 100018-2-100 |
| Gadolinium | 1,000 µg/mL | 2% HCl | 250 mL | 100018-2-250 |
| Gadolinium | 1,000 µg/mL | 2% HCl | 500 mL | 100018-2-500 |
| Gadolinium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M18-1-100 |
| Gadolinium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M18-1-250 |
| Gadolinium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M18-1-500 |
| Gadolinium | 10,000 µg/mL | 4% HCl | 100 mL | 10M18-2-100 |
| Gadolinium | 10,000 µg/mL | 4% HCl | 250 mL | 10M18-2-250 |
| Gadolinium | 10,000 µg/mL | 4% HCl | 500 mL | 10M18-2-500 |
| Gallium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-19-1-100 |
| Gallium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-19-1-250 |
| Gallium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-19-1-500 |
| Gallium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100019-1-50 |
| Gallium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100019-1-100 |
| Gallium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100019-1-250 |
| Gallium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100019-1-500 |
| Gallium | 1,000 µg/mL | 2% HCl | 100 mL | 100019-2-100 |
| Gallium | 1,000 µg/mL | 2% HCl | 250 mL | 100019-2-250 |
| Gallium | 1,000 µg/mL | 2% HCl | 500 mL | 100019-2-500 |
| Gallium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M19-1-100 |
| Gallium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M19-1-250 |
| Gallium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M19-1-500 |
| Gallium | 10,000 µg/mL | 10% HCl | 100 mL | 10M19-2-100 |
| Gallium | 10,000 µg/mL | 10% HCl | 250 mL | 10M19-2-250 |
| Gallium | 10,000 µg/mL | 10% HCl | 500 mL | 10M19-2-500 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|-----------|---------------|-------------------------------|--------|--------------|
| Germanium | 100 µg/mL | 2% HNO ₃ + Tr HF | 100 mL | 100-20-3-100 |
| Germanium | 100 µg/mL | 2% HNO ₃ + Tr HF | 250 mL | 100-20-3-250 |
| Germanium | 100 µg/mL | 2% HNO ₃ + Tr HF | 500 mL | 100-20-3-500 |
| Germanium | 1,000 µg/mL | 1% HNO ₃ | 50 mL | 100020-1-50 |
| Germanium | 1,000 µg/mL | 1% HNO ₃ | 100 mL | 100020-1-100 |
| Germanium | 1,000 µg/mL | 1% HNO ₃ | 250 mL | 100020-1-250 |
| Germanium | 1,000 µg/mL | 1% HNO ₃ | 500 mL | 100020-1-500 |
| Germanium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 50 mL | 100020-3-50 |
| Germanium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 100 mL | 100020-3-100 |
| Germanium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 250 mL | 100020-3-250 |
| Germanium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 500 mL | 100020-3-500 |
| Germanium | 10,000 µg/mL | 1% HNO ₃ | 100 mL | 10M20-1-100 |
| Germanium | 10,000 µg/mL | 1% HNO ₃ | 250 mL | 10M20-1-250 |
| Germanium | 10,000 µg/mL | 1% HNO ₃ | 500 mL | 10M20-1-500 |
| Germanium | 10,000 µg/mL | 10% HNO ₃ + 2% HF | 100 mL | 10M20-3-100 |
| Germanium | 10,000 µg/mL | 10% HNO ₃ + 2% HF | 250 mL | 10M20-3-250 |
| Germanium | 10,000 µg/mL | 10% HNO ₃ + 2% HF | 500 mL | 10M20-3-500 |
| Gold | 100 µg/mL | 2% HCl | 100 mL | 100-21-2-100 |
| Gold | 100 µg/mL | 2% HCl | 250 mL | 100-21-2-250 |
| Gold | 100 µg/mL | 2% HCl | 500 mL | 100-21-2-500 |
| Gold | 1,000 µg/mL | 2% HCl | 50 mL | 100021-2-50 |
| Gold | 1,000 µg/mL | 2% HCl | 100 mL | 100021-2-100 |
| Gold | 1,000 µg/mL | 2% HCl | 250 mL | 100021-2-250 |
| Gold | 1,000 µg/mL | 2% HCl | 500 mL | 100021-2-500 |
| Gold | 10,000 µg/mL | 10% HCl | 100 mL | 10M21-2-100 |
| Gold | 10,000 µg/mL | 10% HCl | 250 mL | 10M21-2-250 |
| Gold | 10,000 µg/mL | 10% HCl | 500 mL | 10M21-2-500 |
| Hafnium | 100 µg/mL | 2% HNO ₃ + Tr HF | 100 mL | 100-22-3-100 |
| Hafnium | 100 µg/mL | 2% HNO ₃ + Tr HF | 250 mL | 100-22-3-250 |
| Hafnium | 100 µg/mL | 2% HNO ₃ + Tr HF | 500 mL | 100-22-3-500 |
| Hafnium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 50 mL | 100022-3-50 |
| Hafnium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 100 mL | 100022-3-100 |
| Hafnium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 250 mL | 100022-3-250 |
| Hafnium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 500 mL | 100022-3-500 |
| Hafnium | 10,000 µg/mL | 4% HNO ₃ + 2% HF | 100 mL | 10M22-3-100 |
| Hafnium | 10,000 µg/mL | 4% HNO ₃ + 2% HF | 250 mL | 10M22-3-250 |
| Hafnium | 10,000 µg/mL | 4% HNO ₃ + 2% HF | 500 mL | 10M22-3-500 |
| Holmium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-23-1-100 |
| Holmium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-23-1-250 |
| Holmium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100023-1-50 |
| Holmium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100023-1-100 |
| Holmium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100023-1-250 |
| Holmium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100023-1-500 |
| Holmium | 1,000 µg/mL | 2% HCl | 100 mL | 100023-2-100 |
| Holmium | 1,000 µg/mL | 2% HCl | 250 mL | 100023-2-250 |
| Holmium | 1,000 µg/mL | 2% HCl | 500 mL | 100023-2-500 |
| Holmium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M23-1-100 |
| Holmium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M23-1-250 |
| Holmium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M23-1-500 |
| Holmium | 10,000 µg/mL | 4% HCl | 100 mL | 10M23-2-100 |
| Holmium | 10,000 µg/mL | 4% HCl | 250 mL | 10M23-2-250 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|-----------|---------------|----------------------|--------|--------------|
| Indium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-24-1-100 |
| Indium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-24-1-250 |
| Indium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-24-1-500 |
| Indium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100024-1-50 |
| Indium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100024-1-100 |
| Indium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100024-1-250 |
| Indium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100024-1-500 |
| Indium | 1,000 µg/mL | 2% HCl | 100 mL | 100024-2-100 |
| Indium | 1,000 µg/mL | 2% HCl | 250 mL | 100024-2-250 |
| Indium | 1,000 µg/mL | 2% HCl | 500 mL | 100024-2-500 |
| Indium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M24-1-100 |
| Indium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M24-1-250 |
| Indium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M24-1-500 |
| Indium | 10,000 µg/mL | 10% HCl | 100 mL | 10M24-2-100 |
| Indium | 10,000 µg/mL | 10% HCl | 250 mL | 10M24-2-250 |
| Indium | 10,000 µg/mL | 10% HCl | 500 mL | 10M24-2-500 |
| Iridium | 100 µg/mL | 2% HCl | 100 mL | 100-25-2-100 |
| Iridium | 100 µg/mL | 2% HCl | 250 mL | 100-25-2-250 |
| Iridium | 100 µg/mL | 2% HCl | 500 mL | 100-25-2-500 |
| Iridium | 1,000 µg/mL | 2% HCl | 50 mL | 100025-2-50 |
| Iridium | 1,000 µg/mL | 2% HCl | 100 mL | 100025-2-100 |
| Iridium | 1,000 µg/mL | 2% HCl | 250 mL | 100025-2-250 |
| Iridium | 1,000 µg/mL | 2% HCl | 500 mL | 100025-2-500 |
| Iron | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-26-1-100 |
| Iron | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-26-1-250 |
| Iron | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-26-1-500 |
| Iron | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100026-1-50 |
| Iron | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100026-1-100 |
| Iron | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100026-1-250 |
| Iron | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100026-1-500 |
| Iron | 1,000 µg/mL | 2% HCl | 100 mL | 100026-2-100 |
| Iron | 1,000 µg/mL | 2% HCl | 250 mL | 100026-2-250 |
| Iron | 1,000 µg/mL | 2% HCl | 500 mL | 100026-2-500 |
| Iron | 10,000 µg/mL | 10% HNO ₃ | 100 mL | 10M26-1-100 |
| Iron | 10,000 µg/mL | 10% HNO ₃ | 250 mL | 10M26-1-250 |
| Iron | 10,000 µg/mL | 10% HNO ₃ | 500 mL | 10M26-1-500 |
| Iron | 10,000 µg/mL | 10% HCl | 100 mL | 10M26-2-100 |
| Iron | 10,000 µg/mL | 10% HCl | 250 mL | 10M26-2-250 |
| Iron | 10,000 µg/mL | 10% HCl | 500 mL | 10M26-2-500 |
| Lanthanum | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-27-1-100 |
| Lanthanum | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-27-1-250 |
| Lanthanum | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-27-1-500 |
| Lanthanum | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100027-1-50 |
| Lanthanum | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100027-1-100 |
| Lanthanum | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100027-1-250 |
| Lanthanum | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100027-1-500 |
| Lanthanum | 1,000 µg/mL | 2% HCl | 50 mL | 100027-2-50 |
| Lanthanum | 1,000 µg/mL | 2% HCl | 100 mL | 100027-2-100 |
| Lanthanum | 1,000 µg/mL | 2% HCl | 250 mL | 100027-2-250 |
| Lanthanum | 1,000 µg/mL | 2% HCl | 500 mL | 100027-2-500 |
| Lanthanum | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M27-1-100 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|-------------------|---------------|---------------------|--------|---------------|
| Lanthanum | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M27-1-250 |
| Lanthanum | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M27-1-500 |
| Lanthanum | 10,000 µg/mL | 2% HCl | 100 mL | 10M27-2-100 |
| Lanthanum | 10,000 µg/mL | 2% HCl | 250 mL | 10M27-2-250 |
| Lanthanum | 10,000 µg/mL | 2% HCl | 500 mL | 10M27-2-500 |
| Lead | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-28-1-100 |
| Lead | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-28-1-250 |
| Lead | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-28-1-500 |
| Lead | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100028-1-50 |
| Lead | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100028-1-100 |
| Lead | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100028-1-250 |
| Lead | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100028-1-500 |
| Lead | 1,000 µg/mL | 2% HCl | 100 mL | 100028-2-100 |
| Lead | 1,000 µg/mL | 2% HCl | 250 mL | 100028-2-250 |
| Lead | 1,000 µg/mL | 2% HCl | 500 mL | 100028-2-500 |
| Lead | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M28-1-100 |
| Lead | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M28-1-250 |
| Lead | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M28-1-500 |
| Lithium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-29-1-100 |
| Lithium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-29-1-250 |
| Lithium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-29-1-500 |
| Lithium | 1,000 µg/mL | 1% HNO ₃ | 50 mL | 100029-1-50 |
| Lithium | 1,000 µg/mL | 1% HNO ₃ | 100 mL | 100029-1-100 |
| Lithium | 1,000 µg/mL | 1% HNO ₃ | 250 mL | 100029-1-250 |
| Lithium | 1,000 µg/mL | 1% HNO ₃ | 500 mL | 100029-1-500 |
| Lithium | 1,000 µg/mL | 1% HCl | 100 mL | 100029-2-100 |
| Lithium | 1,000 µg/mL | 1% HCl | 250 mL | 100029-2-250 |
| Lithium | 1,000 µg/mL | 1% HCl | 500 mL | 100029-2-500 |
| Lithium | 10,000 µg/mL | 1% HNO ₃ | 100 mL | 10M29-1-100 |
| Lithium | 10,000 µg/mL | 1% HNO ₃ | 250 mL | 10M29-1-250 |
| Lithium | 10,000 µg/mL | 1% HNO ₃ | 500 mL | 10M29-1-500 |
| Lithium | 10,000 µg/mL | 1% HCl | 100 mL | 10M29-2-100 |
| Lithium | 10,000 µg/mL | 1% HCl | 250 mL | 10M29-2-250 |
| Lithium | 10,000 µg/mL | 1% HCl | 500 mL | 10M29-2-500 |
| Lithium 6 Isotope | 1,000 µg/mL | 1% HNO ₃ | 50 mL | 100029-6I-50 |
| Lithium 6 Isotope | 1,000 µg/mL | 1% HNO ₃ | 100 mL | 100029-6I-100 |
| Lithium 6 Isotope | 1,000 µg/mL | 1% HNO ₃ | 250 mL | 100029-6I-250 |
| Lithium 6 Isotope | 1,000 µg/mL | 1% HNO ₃ | 500 mL | 100029-6I-500 |
| Lutetium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-30-1-100 |
| Lutetium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-30-1-250 |
| Lutetium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-30-1-500 |
| Lutetium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100030-1-50 |
| Lutetium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100030-1-100 |
| Lutetium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100030-1-250 |
| Lutetium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100030-1-500 |
| Lutetium | 1,000 µg/mL | 2% HCl | 100 mL | 100030-2-100 |
| Lutetium | 1,000 µg/mL | 2% HCl | 250 mL | 100030-2-250 |
| Lutetium | 1,000 µg/mL | 2% HCl | 500 mL | 100030-2-500 |
| Lutetium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M30-1-100 |
| Lutetium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M30-1-250 |
| Lutetium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M30-1-500 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|-----------|---------------|------------------------------|--------|---------------|
| Lutetium | 10,000 µg/mL | 4% HCl | 100 mL | 10M30-2-100 |
| Lutetium | 10,000 µg/mL | 4% HCl | 250 mL | 10M30-2-250 |
| Lutetium | 10,000 µg/mL | 4% HCl | 500 mL | 10M30-2-500 |
| Magnesium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-31-1-100 |
| Magnesium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-31-1-250 |
| Magnesium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-31-1-500 |
| Magnesium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100031-1-50 |
| Magnesium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100031-1-100 |
| Magnesium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100031-1-250 |
| Magnesium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100031-1-500 |
| Magnesium | 1,000 µg/mL | 2% HCl | 100 mL | 100031-2-100 |
| Magnesium | 1,000 µg/mL | 2% HCl | 250 mL | 100031-2-250 |
| Magnesium | 1,000 µg/mL | 2% HCl | 500 mL | 100031-2-500 |
| Magnesium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M31-1-100 |
| Magnesium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M31-1-250 |
| Magnesium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M31-1-500 |
| Magnesium | 10,000 µg/mL | 10% HCl | 100 mL | 10M31-2-100 |
| Magnesium | 10,000 µg/mL | 10% HCl | 250 mL | 10M31-2-250 |
| Magnesium | 10,000 µg/mL | 10% HCl | 500 mL | 10M31-2-500 |
| Manganese | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-32-1-100 |
| Manganese | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-32-1-250 |
| Manganese | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-32-1-500 |
| Manganese | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100032-1-50 |
| Manganese | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100032-1-100 |
| Manganese | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100032-1-250 |
| Manganese | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100032-1-500 |
| Manganese | 1,000 µg/mL | 2% HCl | 100 mL | 100032-2-100 |
| Manganese | 1,000 µg/mL | 2% HCl | 250 mL | 100032-2-250 |
| Manganese | 1,000 µg/mL | 2% HCl | 500 mL | 100032-2-500 |
| Manganese | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M32-1-100 |
| Manganese | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M32-1-250 |
| Manganese | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M32-1-500 |
| Manganese | 10,000 µg/mL | 10% HCl | 100 mL | 10M32-2-100 |
| Manganese | 10,000 µg/mL | 10% HCl | 250 mL | 10M32-2-250 |
| Manganese | 10,000 µg/mL | 10% HCl | 500 mL | 10M32-2-500 |
| Mercury | 100 µg/mL | 5% HNO ₃ | 100 mL | 100-33-1-100 |
| Mercury | 100 µg/mL | 5% HNO ₃ | 250 mL | 100-33-1-250 |
| Mercury | 100 µg/mL | 5% HNO ₃ | 500 mL | 100-33-1-500 |
| Mercury | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100033-1-50 |
| Mercury | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100033-1-100 |
| Mercury | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100033-1-250 |
| Mercury | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100033-1-500 |
| Mercury | 1,000 µg/mL | 2% HCl | 100 mL | 100033-2-100 |
| Mercury | 1,000 µg/mL | 2% HCl | 250 mL | 100033-2-250 |
| Mercury | 1,000 µg/mL | 2% HCl | 500 mL | 100033-2-500 |
| Mercury | 1,000 µg/mL | 4% HCl + 3% HNO ₃ | 50 mL | 100077-12-50 |
| Mercury | 1,000 µg/mL | 4% HCl + 3% HNO ₃ | 100 mL | 100077-12-100 |
| Mercury | 1,000 µg/mL | 4% HCl + 3% HNO ₃ | 250 mL | 100077-12-250 |
| Mercury | 1,000 µg/mL | 4% HCl + 3% HNO ₃ | 500 mL | 100077-12-500 |
| Mercury | 10,000 µg/mL | 10% HNO ₃ | 100 mL | 10M33-1-100 |
| Mercury | 10,000 µg/mL | 10% HNO ₃ | 250 mL | 10M33-1-250 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|------------|---------------|-------------------------------|--------|--------------|
| Mercury | 10,000 µg/mL | 10% HNO ₃ | 500 mL | 10M33-1-500 |
| Molybdenum | 100 µg/mL | 2% HNO ₃ + Tr HF | 100 mL | 100-34-3-100 |
| Molybdenum | 100 µg/mL | 2% HNO ₃ + Tr HF | 250 mL | 100-34-3-250 |
| Molybdenum | 100 µg/mL | 2% HNO ₃ + Tr HF | 500 mL | 100-34-3-500 |
| Molybdenum | 1,000 µg/mL | 2% HCl | 50 mL | 100034-2-50 |
| Molybdenum | 1,000 µg/mL | 2% HCl | 100 mL | 100034-2-100 |
| Molybdenum | 1,000 µg/mL | 2% HCl | 250 mL | 100034-2-250 |
| Molybdenum | 1,000 µg/mL | 2% HCl | 500 mL | 100034-2-500 |
| Molybdenum | 1,000 µg/mL | 2% HNO ₃ + 0.1% HF | 50 mL | 100034-3-50 |
| Molybdenum | 1,000 µg/mL | 2% HNO ₃ + 0.1% HF | 100 mL | 100034-3-100 |
| Molybdenum | 1,000 µg/mL | 2% HNO ₃ + 0.1% HF | 250 mL | 100034-3-250 |
| Molybdenum | 1,000 µg/mL | 2% HNO ₃ + 0.1% HF | 500 mL | 100034-3-500 |
| Molybdenum | 1,000 µg/mL | H ₂ O | 50 mL | 100034-4-50 |
| Molybdenum | 1,000 µg/mL | H ₂ O | 100 mL | 100034-4-100 |
| Molybdenum | 1,000 µg/mL | H ₂ O | 250 mL | 100034-4-250 |
| Molybdenum | 1,000 µg/mL | H ₂ O | 500 mL | 100034-4-500 |
| Molybdenum | 10,000 µg/mL | 10% HCl | 100 mL | 10M34-2-100 |
| Molybdenum | 10,000 µg/mL | 10% HCl | 250 mL | 10M34-2-250 |
| Molybdenum | 10,000 µg/mL | 10% HCl | 500 mL | 10M34-2-500 |
| Molybdenum | 10,000 µg/mL | 4% HNO ₃ + 2% HF | 100 mL | 10M34-3-100 |
| Molybdenum | 10,000 µg/mL | 4% HNO ₃ + 2% HF | 250 mL | 10M34-3-250 |
| Molybdenum | 10,000 µg/mL | 4% HNO ₃ + 2% HF | 500 mL | 10M34-3-500 |
| Neodymium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-35-1-100 |
| Neodymium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-35-1-250 |
| Neodymium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100035-1-50 |
| Neodymium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100035-1-100 |
| Neodymium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100035-1-250 |
| Neodymium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100035-1-500 |
| Neodymium | 1,000 µg/mL | 2% HCl | 100 mL | 100035-2-100 |
| Neodymium | 1,000 µg/mL | 2% HCl | 250 mL | 100035-2-250 |
| Neodymium | 1,000 µg/mL | 2% HCl | 500 mL | 100035-2-500 |
| Neodymium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M35-1-100 |
| Neodymium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M35-1-250 |
| Neodymium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M35-1-500 |
| Neodymium | 10,000 µg/mL | 4% HCl | 100 mL | 10M35-2-100 |
| Neodymium | 10,000 µg/mL | 4% HCl | 250 mL | 10M35-2-250 |
| Neodymium | 10,000 µg/mL | 4% HCl | 500 mL | 10M35-2-500 |
| Nickel | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-36-1-100 |
| Nickel | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-36-1-250 |
| Nickel | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-36-1-500 |
| Nickel | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100036-1-50 |
| Nickel | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100036-1-100 |
| Nickel | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100036-1-250 |
| Nickel | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100036-1-500 |
| Nickel | 1,000 µg/mL | 2% HCl | 50 mL | 100036-2-50 |
| Nickel | 1,000 µg/mL | 2% HCl | 100 mL | 100036-2-100 |
| Nickel | 1,000 µg/mL | 2% HCl | 250 mL | 100036-2-250 |
| Nickel | 1,000 µg/mL | 2% HCl | 500 mL | 100036-2-500 |
| Nickel | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M36-1-100 |
| Nickel | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M36-1-250 |
| Nickel | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M36-1-500 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|------------|---------------|--|--------|---------------|
| Nickel | 10,000 µg/mL | 10% HCl | 100 mL | 10M36-2-100 |
| Nickel | 10,000 µg/mL | 10% HCl | 250 mL | 10M36-2-250 |
| Nickel | 10,000 µg/mL | 10% HCl | 500 mL | 10M36-2-500 |
| Niobium | 100 µg/mL | 2% HNO ₃ + Tr HF | 100 mL | 100-37-3-100 |
| Niobium | 100 µg/mL | 2% HNO ₃ + Tr HF | 250 mL | 100-37-3-250 |
| Niobium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 50 mL | 100037-3-50 |
| Niobium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 100 mL | 100037-3-100 |
| Niobium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 250 mL | 100037-3-250 |
| Niobium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 500 mL | 100037-3-500 |
| Niobium | 10,000 µg/mL | 4% HNO ₃ + 1% HF | 100 mL | 10M37-3-100 |
| Niobium | 10,000 µg/mL | 4% HNO ₃ + 1% HF | 250 mL | 10M37-3-250 |
| Niobium | 10,000 µg/mL | 4% HNO ₃ + 1% HF | 500 mL | 10M37-3-500 |
| Osmium | 100 µg/mL | 2% HCl | 100 mL | 100-70-2-100 |
| Osmium | 100 µg/mL | 2% HCl | 500 mL | 100-70-2-500 |
| Osmium | 1,000 µg/mL | 20% HCl | 50 mL | 100070-2-50 |
| Osmium | 1,000 µg/mL | 20% HCl | 100 mL | 100070-2-100 |
| Osmium | 1,000 µg/mL | 20% HCl | 250 mL | 100070-2-250 |
| Osmium | 1,000 µg/mL | 20% HCl | 500 mL | 100070-2-500 |
| Palladium | 100 µg/mL | 2% HNO ₃ + Tr HCl | 100 mL | 100-38-1-100 |
| Palladium | 100 µg/mL | 2% HNO ₃ + Tr HCl | 250 mL | 100-38-1-250 |
| Palladium | 100 µg/mL | 2% HNO ₃ + Tr HCl | 500 mL | 100-38-1-500 |
| Palladium | 100 µg/mL | 2% HCl | 100 mL | 100-38-2-100 |
| Palladium | 100 µg/mL | 2% HCl | 250 mL | 100-38-2-250 |
| Palladium | 100 µg/mL | 2% HCl | 500 mL | 100-38-2-500 |
| Palladium | 1,000 µg/mL | 10% HNO ₃ + Tr HCl | 50 mL | 100038-1-50 |
| Palladium | 1,000 µg/mL | 10% HNO ₃ + Tr HCl | 100 mL | 100038-1-100 |
| Palladium | 1,000 µg/mL | 10% HNO ₃ + Tr HCl | 250 mL | 100038-1-250 |
| Palladium | 1,000 µg/mL | 10% HNO ₃ + Tr HCl | 500 mL | 100038-1-500 |
| Palladium | 1,000 µg/mL | 5% HCl | 50 mL | 100038-2-50 |
| Palladium | 1,000 µg/mL | 5% HCl | 100 mL | 100038-2-100 |
| Palladium | 1,000 µg/mL | 5% HCl | 250 mL | 100038-2-250 |
| Palladium | 1,000 µg/mL | 5% HCl | 500 mL | 100038-2-500 |
| Palladium | 10,000 µg/mL | 10% HNO ₃ + Tr HCl | 100 mL | 10M38-1-100 |
| Palladium | 10,000 µg/mL | 10% HNO ₃ + Tr HCl | 250 mL | 10M38-1-250 |
| Palladium | 10,000 µg/mL | 10% HNO ₃ + Tr HCl | 500 mL | 10M38-1-500 |
| Palladium | 10,000 µg/mL | 10% HCl | 100 mL | 10M38-2-100 |
| Palladium | 10,000 µg/mL | 10% HCl | 250 mL | 10M38-2-250 |
| Palladium | 10,000 µg/mL | 10% HCl | 500 mL | 10M38-2-500 |
| Phosphorus | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-39-1-100 |
| Phosphorus | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-39-1-250 |
| Phosphorus | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-39-1-500 |
| Phosphorus | 1,000 µg/mL | 0.05% HNO ₃ from NH ₄ H ₂ PO ₄ | 50 mL | 100039-1-50 |
| Phosphorus | 1,000 µg/mL | 0.05% HNO ₃ from NH ₄ H ₂ PO ₄ | 100 mL | 100039-1-100 |
| Phosphorus | 1,000 µg/mL | 0.05% HNO ₃ from NH ₄ H ₂ PO ₄ | 250 mL | 100039-1-250 |
| Phosphorus | 1,000 µg/mL | 0.05% HNO ₃ from NH ₄ H ₂ PO ₄ | 500 mL | 100039-1-500 |
| Phosphorus | 1,000 µg/mL | 0.05% HNO ₃ from KH ₂ PO ₄ | 100 mL | 100039-1K-100 |
| Phosphorus | 1,000 µg/mL | 0.05% HNO ₃ from KH ₂ PO ₄ | 250 mL | 100039-1K-250 |
| Phosphorus | 1,000 µg/mL | 0.05% HNO ₃ from KH ₂ PO ₄ | 500 mL | 100039-1K-500 |
| Phosphorus | 10,000 µg/mL | 0.05% HNO ₃ from KH ₂ PO ₄ | 100 mL | 10M39-1K-100 |
| Phosphorus | 10,000 µg/mL | 0.05% HNO ₃ from KH ₂ PO ₄ | 250 mL | 10M39-1K-250 |
| Phosphorus | 10,000 µg/mL | 0.05% HNO ₃ from KH ₂ PO ₄ | 500 mL | 10M39-1K-500 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|--------------|---------------|--|--------|--------------|
| Phosphorus | 10,000 µg/mL | 0.05% HNO ₃ from NH ₄ H ₂ PO ₄ | 100 mL | 10M39-1-100 |
| Phosphorus | 10,000 µg/mL | 0.05% HNO ₃ from NH ₄ H ₂ PO ₄ | 250 mL | 10M39-1-250 |
| Phosphorus | 10,000 µg/mL | 0.05% HNO ₃ from NH ₄ H ₂ PO ₄ | 500 mL | 10M39-1-500 |
| Platinum | 100 µg/mL | 2% HCl | 100 mL | 100-40-2-100 |
| Platinum | 100 µg/mL | 2% HCl | 250 mL | 100-40-2-250 |
| Platinum | 100 µg/mL | 2% HCl | 500 mL | 100-40-2-500 |
| Platinum | 1,000 µg/mL | 5% HCl | 50 mL | 100040-2-50 |
| Platinum | 1,000 µg/mL | 5% HCl | 100 mL | 100040-2-100 |
| Platinum | 1,000 µg/mL | 5% HCl | 250 mL | 100040-2-250 |
| Platinum | 1,000 µg/mL | 5% HCl | 500 mL | 100040-2-500 |
| Platinum | 10,000 µg/mL | 10% HCl | 100 mL | 10M40-2-100 |
| Platinum | 10,000 µg/mL | 10% HCl | 250 mL | 10M40-2-250 |
| Platinum | 10,000 µg/mL | 10% HCl | 500 mL | 10M40-2-500 |
| Potassium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-41-1-100 |
| Potassium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-41-1-250 |
| Potassium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-41-1-500 |
| Potassium | 1,000 µg/mL | 1% HNO ₃ | 50 mL | 100041-1-50 |
| Potassium | 1,000 µg/mL | 1% HNO ₃ | 100 mL | 100041-1-100 |
| Potassium | 1,000 µg/mL | 1% HNO ₃ | 250 mL | 100041-1-250 |
| Potassium | 1,000 µg/mL | 1% HNO ₃ | 500 mL | 100041-1-500 |
| Potassium | 1,000 µg/mL | 1% HCl | 50 mL | 100041-2-50 |
| Potassium | 1,000 µg/mL | 1% HCl | 100 mL | 100041-2-100 |
| Potassium | 1,000 µg/mL | 1% HCl | 250 mL | 100041-2-250 |
| Potassium | 1,000 µg/mL | 1% HCl | 500 mL | 100041-2-500 |
| Potassium | 10,000 µg/mL | 1% HNO ₃ | 100 mL | 10M41-1-100 |
| Potassium | 10,000 µg/mL | 1% HNO ₃ | 250 mL | 10M41-1-250 |
| Potassium | 10,000 µg/mL | 1% HNO ₃ | 500 mL | 10M41-1-500 |
| Potassium | 10,000 µg/mL | 1% HCl | 100 mL | 10M41-2-100 |
| Potassium | 10,000 µg/mL | 1% HCl | 250 mL | 10M41-2-250 |
| Potassium | 10,000 µg/mL | 1% HCl | 500 mL | 10M41-2-500 |
| Praseodymium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-42-1-100 |
| Praseodymium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100042-1-50 |
| Praseodymium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100042-1-100 |
| Praseodymium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100042-1-250 |
| Praseodymium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100042-1-500 |
| Praseodymium | 1,000 µg/mL | 2% HCl | 100 mL | 100042-2-100 |
| Praseodymium | 1,000 µg/mL | 2% HCl | 250 mL | 100042-2-250 |
| Praseodymium | 1,000 µg/mL | 2% HCl | 500 mL | 100042-2-500 |
| Praseodymium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M42-1-100 |
| Praseodymium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M42-1-250 |
| Praseodymium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M42-1-500 |
| Praseodymium | 10,000 µg/mL | 4% HCl | 100 mL | 10M42-2-100 |
| Praseodymium | 10,000 µg/mL | 4% HCl | 250 mL | 10M42-2-250 |
| Praseodymium | 10,000 µg/mL | 4% HCl | 500 mL | 10M42-2-500 |
| Rhenium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-43-1-100 |
| Rhenium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-43-1-250 |
| Rhenium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-43-1-500 |
| Rhenium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100043-1-50 |
| Rhenium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100043-1-100 |
| Rhenium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100043-1-250 |
| Rhenium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100043-1-500 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|-----------|---------------|---------------------|--------|--------------|
| Rhenium | 1,000 µg/mL | 2% HCl | 100 mL | 100043-2-100 |
| Rhenium | 1,000 µg/mL | 2% HCl | 250 mL | 100043-2-250 |
| Rhenium | 1,000 µg/mL | 2% HCl | 500 mL | 100043-2-500 |
| Rhenium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M43-1-100 |
| Rhenium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M43-1-250 |
| Rhenium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M43-1-500 |
| Rhodium | 100 µg/mL | 2% HCl | 100 mL | 100-44-2-100 |
| Rhodium | 100 µg/mL | 2% HCl | 250 mL | 100-44-2-250 |
| Rhodium | 100 µg/mL | 2% HCl | 500 mL | 100-44-2-500 |
| Rhodium | 1,000 µg/mL | 10% HCl | 50 mL | 100044-2-50 |
| Rhodium | 1,000 µg/mL | 10% HCl | 100 mL | 100044-2-100 |
| Rhodium | 1,000 µg/mL | 10% HCl | 250 mL | 100044-2-250 |
| Rhodium | 1,000 µg/mL | 10% HCl | 500 mL | 100044-2-500 |
| Rhodium | 10,000 µg/mL | 10% HCl | 100 mL | 10M44-2-100 |
| Rhodium | 10,000 µg/mL | 10% HCl | 250 mL | 10M44-2-250 |
| Rhodium | 10,000 µg/mL | 10% HCl | 500 mL | 10M44-2-500 |
| Rubidium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-45-1-100 |
| Rubidium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-45-1-500 |
| Rubidium | 1,000 µg/mL | 1% HNO ₃ | 100 mL | 100045-1-100 |
| Rubidium | 1,000 µg/mL | 1% HNO ₃ | 250 mL | 100045-1-250 |
| Rubidium | 1,000 µg/mL | 1% HNO ₃ | 500 mL | 100045-1-500 |
| Rubidium | 1,000 µg/mL | 1% HCl | 100 mL | 100045-2-100 |
| Rubidium | 1,000 µg/mL | 1% HCl | 250 mL | 100045-2-250 |
| Rubidium | 1,000 µg/mL | 1% HCl | 500 mL | 100045-2-500 |
| Rubidium | 10,000 µg/mL | 1% HNO ₃ | 100 mL | 10M45-1-100 |
| Rubidium | 10,000 µg/mL | 1% HNO ₃ | 250 mL | 10M45-1-250 |
| Rubidium | 10,000 µg/mL | 1% HNO ₃ | 500 mL | 10M45-1-500 |
| Rubidium | 10,000 µg/mL | 1% HCl | 100 mL | 10M45-2-100 |
| Rubidium | 10,000 µg/mL | 1% HCl | 250 mL | 10M45-2-250 |
| Rubidium | 10,000 µg/mL | 1% HCl | 500 mL | 10M45-2-500 |
| Ruthenium | 100 µg/mL | 2% HCl | 100 mL | 100-46-2-100 |
| Ruthenium | 100 µg/mL | 2% HCl | 250 mL | 100-46-2-250 |
| Ruthenium | 1,000 µg/mL | 2% HCl | 50 mL | 100046-2-50 |
| Ruthenium | 1,000 µg/mL | 2% HCl | 100 mL | 100046-2-100 |
| Ruthenium | 1,000 µg/mL | 2% HCl | 250 mL | 100046-2-250 |
| Ruthenium | 1,000 µg/mL | 2% HCl | 500 mL | 100046-2-500 |
| Ruthenium | 10,000 µg/mL | 5% HCl | 100 mL | 10M46-2-100 |
| Ruthenium | 10,000 µg/mL | 5% HCl | 250 mL | 10M46-2-250 |
| Ruthenium | 10,000 µg/mL | 5% HCl | 500 mL | 10M46-2-500 |
| Samarium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-47-1-100 |
| Samarium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100047-1-50 |
| Samarium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100047-1-100 |
| Samarium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100047-1-250 |
| Samarium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100047-1-500 |
| Samarium | 1,000 µg/mL | 2% HCl | 100 mL | 100047-2-100 |
| Samarium | 1,000 µg/mL | 2% HCl | 250 mL | 100047-2-250 |
| Samarium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M47-1-100 |
| Samarium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M47-1-250 |
| Samarium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M47-1-500 |
| Samarium | 10,000 µg/mL | 4% HCl | 100 mL | 10M47-2-100 |
| Samarium | 10,000 µg/mL | 4% HCl | 250 mL | 10M47-2-250 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|-----------|---------------|-----------------------------|--------|-----------------|
| Scandium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-48-1-100 |
| Scandium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-48-1-250 |
| Scandium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-48-1-500 |
| Scandium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100048-1-50 |
| Scandium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100048-1-100 |
| Scandium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100048-1-250 |
| Scandium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100048-1-500 |
| Scandium | 1,000 µg/mL | 2% HCl | 50 mL | 100048-2-50 |
| Scandium | 1,000 µg/mL | 2% HCl | 100 mL | 100048-2-100 |
| Scandium | 1,000 µg/mL | 2% HCl | 250 mL | 100048-2-250 |
| Scandium | 1,000 µg/mL | 2% HCl | 500 mL | 100048-2-500 |
| Scandium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M48-1-100 |
| Scandium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M48-1-250 |
| Scandium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M48-1-500 |
| Scandium | 10,000 µg/mL | 10% HCl | 100 mL | 10M48-2-100 |
| Scandium | 10,000 µg/mL | 10% HCl | 250 mL | 10M48-2-250 |
| Scandium | 10,000 µg/mL | 10% HCl | 500 mL | 10M48-2-500 |
| Selenium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-49-1-100 |
| Selenium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-49-1-250 |
| Selenium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-49-1-500 |
| Selenium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100049-1-50 |
| Selenium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100049-1-100 |
| Selenium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100049-1-250 |
| Selenium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100049-1-500 |
| Selenium | 1,000 µg/mL | 2% HCl | 50 mL | 100049-2-50 |
| Selenium | 1,000 µg/mL | 2% HCl | 100 mL | 100049-2-100 |
| Selenium | 1,000 µg/mL | 2% HCl | 250 mL | 100049-2-250 |
| Selenium | 1,000 µg/mL | 2% HCl | 500 mL | 100049-2-500 |
| Selenium | 10,000 µg/mL | 10% HNO ₃ | 100 mL | 10M49-1-100 |
| Selenium | 10,000 µg/mL | 10% HNO ₃ | 250 mL | 10M49-1-250 |
| Selenium | 10,000 µg/mL | 10% HNO ₃ | 500 mL | 10M49-1-500 |
| Selenium | 10,000 µg/mL | 10% HCl | 100 mL | 10M49-2-100 |
| Selenium | 10,000 µg/mL | 10% HCl | 250 mL | 10M49-2-250 |
| Selenium | 10,000 µg/mL | 10% HCl | 500 mL | 10M49-2-500 |
| Silica | 1,000 µg/mL | H ₂ O | 100 mL | 1000SIO2-4F-100 |
| Silica | 1,000 µg/mL | H ₂ O | 250 mL | 1000SIO2-4F-250 |
| Silica | 1,000 µg/mL | H ₂ O | 500 mL | 1000SIO2-4F-500 |
| Silicon | 100 µg/mL | H ₂ O | 100 mL | 100-50-4-100 |
| Silicon | 100 µg/mL | H ₂ O | 250 mL | 100-50-4-250 |
| Silicon | 100 µg/mL | H ₂ O | 500 mL | 100-50-4-500 |
| Silicon | 100 µg/mL | H ₂ O | 100 mL | 100-50-4F-100 |
| Silicon | 100 µg/mL | H ₂ O | 250 mL | 100-50-4F-250 |
| Silicon | 100 µg/mL | H ₂ O | 500 mL | 100-50-4F-500 |
| Silicon | 1,000 µg/mL | 1% HNO ₃ + Tr HF | 50 mL | 100050-3-50 |
| Silicon | 1,000 µg/mL | 1% HNO ₃ + Tr HF | 100 mL | 100050-3-100 |
| Silicon | 1,000 µg/mL | 1% HNO ₃ + Tr HF | 250 mL | 100050-3-250 |
| Silicon | 1,000 µg/mL | 1% HNO ₃ + Tr HF | 500 mL | 100050-3-500 |
| Silicon | 1,000 µg/mL | H ₂ O | 50 mL | 100050-4-50 |
| Silicon | 1,000 µg/mL | H ₂ O | 100 mL | 100050-4-100 |
| Silicon | 1,000 µg/mL | H ₂ O | 250 mL | 100050-4-250 |
| Silicon | 1,000 µg/mL | H ₂ O | 500 mL | 100050-4-500 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|-----------|---------------|---------------------|--------|---------------|
| Silicon | 1,000 µg/mL | H ₂ O | 50 mL | 100050-4F-50 |
| Silicon | 1,000 µg/mL | H ₂ O | 100 mL | 100050-4F-100 |
| Silicon | 1,000 µg/mL | H ₂ O | 250 mL | 100050-4F-250 |
| Silicon | 1,000 µg/mL | H ₂ O | 500 mL | 100050-4F-500 |
| Silicon | 10,000 µg/mL | H ₂ O | 100 mL | 10M50-4-100 |
| Silicon | 10,000 µg/mL | H ₂ O | 250 mL | 10M50-4-250 |
| Silicon | 10,000 µg/mL | H ₂ O | 500 mL | 10M50-4-500 |
| Silicon | 10,000 µg/mL | H ₂ O | 100 mL | 10M50-4F-100 |
| Silicon | 10,000 µg/mL | H ₂ O | 250 mL | 10M50-4F-250 |
| Silicon | 10,000 µg/mL | H ₂ O | 500 mL | 10M50-4F-500 |
| Silver | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-51-1-100 |
| Silver | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-51-1-250 |
| Silver | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-51-1-500 |
| Silver | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100051-1-50 |
| Silver | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100051-1-100 |
| Silver | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100051-1-250 |
| Silver | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100051-1-500 |
| Silver | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M51-1-100 |
| Silver | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M51-1-250 |
| Silver | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M51-1-500 |
| Sodium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-52-1-100 |
| Sodium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-52-1-250 |
| Sodium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-52-1-500 |
| Sodium | 1,000 µg/mL | 1% HNO ₃ | 50 mL | 100052-1-50 |
| Sodium | 1,000 µg/mL | 1% HNO ₃ | 100 mL | 100052-1-100 |
| Sodium | 1,000 µg/mL | 1% HNO ₃ | 250 mL | 100052-1-250 |
| Sodium | 1,000 µg/mL | 1% HNO ₃ | 500 mL | 100052-1-500 |
| Sodium | 1,000 µg/mL | 1% HCl | 100 mL | 100052-2-100 |
| Sodium | 1,000 µg/mL | 1% HCl | 250 mL | 100052-2-250 |
| Sodium | 1,000 µg/mL | 1% HCl | 500 mL | 100052-2-500 |
| Sodium | 10,000 µg/mL | 1% HNO ₃ | 100 mL | 10M52-1-100 |
| Sodium | 10,000 µg/mL | 1% HNO ₃ | 250 mL | 10M52-1-250 |
| Sodium | 10,000 µg/mL | 1% HNO ₃ | 500 mL | 10M52-1-500 |
| Strontium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-53-1-100 |
| Strontium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-53-1-250 |
| Strontium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-53-1-500 |
| Strontium | 1,000 µg/mL | 1% HNO ₃ | 50 mL | 100053-1-50 |
| Strontium | 1,000 µg/mL | 1% HNO ₃ | 100 mL | 100053-1-100 |
| Strontium | 1,000 µg/mL | 1% HNO ₃ | 250 mL | 100053-1-250 |
| Strontium | 1,000 µg/mL | 1% HNO ₃ | 500 mL | 100053-1-500 |
| Strontium | 1,000 µg/mL | 2% HCl | 100 mL | 100053-2-100 |
| Strontium | 1,000 µg/mL | 2% HCl | 250 mL | 100053-2-250 |
| Strontium | 1,000 µg/mL | 2% HCl | 500 mL | 100053-2-500 |
| Strontium | 10,000 µg/mL | 1% HNO ₃ | 100 mL | 10M53-1-100 |
| Strontium | 10,000 µg/mL | 1% HNO ₃ | 250 mL | 10M53-1-250 |
| Strontium | 10,000 µg/mL | 1% HNO ₃ | 500 mL | 10M53-1-500 |
| Strontium | 10,000 µg/mL | 10% HCl | 100 mL | 10M53-2-100 |
| Strontium | 10,000 µg/mL | 10% HCl | 250 mL | 10M53-2-250 |
| Strontium | 10,000 µg/mL | 10% HCl | 500 mL | 10M53-2-500 |
| Sulfur | 100 µg/mL | H ₂ O | 100 mL | 100-54-5-100 |
| Sulfur | 100 µg/mL | H ₂ O | 250 mL | 100-54-5-250 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|-----------|---------------|-------------------------------|--------|--------------|
| Sulfur | 100 µg/mL | H ₂ O | 500 mL | 100-54-5-500 |
| Sulfur | 1,000 µg/mL | H ₂ O | 50 mL | 100054-5-50 |
| Sulfur | 1,000 µg/mL | H ₂ O | 100 mL | 100054-5-100 |
| Sulfur | 1,000 µg/mL | H ₂ O | 250 mL | 100054-5-250 |
| Sulfur | 1,000 µg/mL | H ₂ O | 500 mL | 100054-5-500 |
| Sulfur | 10,000 µg/mL | H ₂ O | 100 mL | 10M54-5-100 |
| Sulfur | 10,000 µg/mL | H ₂ O | 250 mL | 10M54-5-250 |
| Sulfur | 10,000 µg/mL | H ₂ O | 500 mL | 10M54-5-500 |
| Sodium | 10,000 µg/mL | 1% HCl | 100 mL | 10M52-2-100 |
| Sodium | 10,000 µg/mL | 1% HCl | 250 mL | 10M52-2-250 |
| Sodium | 10,000 µg/mL | 1% HCl | 500 mL | 10M52-2-500 |
| Tantalum | 100 µg/mL | 2% HNO ₃ + Tr HF | 100 mL | 100-55-3-100 |
| Tantalum | 100 µg/mL | 2% HNO ₃ + Tr HF | 250 mL | 100-55-3-250 |
| Tantalum | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 50 mL | 100055-3-50 |
| Tantalum | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 100 mL | 100055-3-100 |
| Tantalum | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 250 mL | 100055-3-250 |
| Tantalum | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 500 mL | 100055-3-500 |
| Tantalum | 10,000 µg/mL | 5% HNO ₃ + 2% HF | 100 mL | 10M55-3-100 |
| Tantalum | 10,000 µg/mL | 5% HNO ₃ + 2% HF | 250 mL | 10M55-3-250 |
| Tantalum | 10,000 µg/mL | 5% HNO ₃ + 2% HF | 500 mL | 10M55-3-500 |
| Tellurium | 100 µg/mL | 2% HNO ₃ + Tr HF | 100 mL | 100-56-3-100 |
| Tellurium | 100 µg/mL | 2% HNO ₃ + Tr HF | 250 mL | 100-56-3-250 |
| Tellurium | 100 µg/mL | 2% HNO ₃ + Tr HF | 500 mL | 100-56-3-500 |
| Tellurium | 1,000 µg/mL | 20% HCl | 100 mL | 100056-2-100 |
| Tellurium | 1,000 µg/mL | 20% HCl | 250 mL | 100056-2-250 |
| Tellurium | 1,000 µg/mL | 20% HCl | 500 mL | 100056-2-500 |
| Tellurium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 50 mL | 100056-3-50 |
| Tellurium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 100 mL | 100056-3-100 |
| Tellurium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 250 mL | 100056-3-250 |
| Tellurium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 500 mL | 100056-3-500 |
| Tellurium | 10,000 µg/mL | 40% HCl | 100 mL | 10M56-2-100 |
| Tellurium | 10,000 µg/mL | 40% HCl | 250 mL | 10M56-2-250 |
| Tellurium | 10,000 µg/mL | 40% HCl | 500 mL | 10M56-2-500 |
| Tellurium | 10,000 µg/mL | 5% HNO ₃ + 2% HF | 100 mL | 10M56-3-100 |
| Tellurium | 10,000 µg/mL | 5% HNO ₃ + 2% HF | 250 mL | 10M56-3-250 |
| Tellurium | 10,000 µg/mL | 5% HNO ₃ + 2% HF | 500 mL | 10M56-3-500 |
| Terbium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-57-1-100 |
| Terbium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-57-1-250 |
| Terbium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100057-1-50 |
| Terbium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100057-1-100 |
| Terbium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100057-1-250 |
| Terbium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100057-1-500 |
| Terbium | 1,000 µg/mL | 2% HCl | 100 mL | 100057-2-100 |
| Terbium | 1,000 µg/mL | 2% HCl | 250 mL | 100057-2-250 |
| Terbium | 1,000 µg/mL | 2% HCl | 500 mL | 100057-2-500 |
| Terbium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M57-1-100 |
| Terbium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M57-1-250 |
| Terbium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M57-1-500 |
| Terbium | 10,000 µg/mL | 4% HCl | 100 mL | 10M57-2-100 |
| Thallium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-58-1-100 |
| Thallium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-58-1-250 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|-----------|---------------|-------------------------------|--------|--------------|
| Thallium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-58-1-500 |
| Thallium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100058-1-50 |
| Thallium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100058-1-100 |
| Thallium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100058-1-250 |
| Thallium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100058-1-500 |
| Thallium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M58-1-100 |
| Thallium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M58-1-250 |
| Thallium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M58-1-500 |
| Thorium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-59-1-100 |
| Thorium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-59-1-250 |
| Thorium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-59-1-500 |
| Thorium | 1,000 µg/mL | 2% HCl | 100 mL | 100059-2-100 |
| Thorium | 1,000 µg/mL | 2% HCl | 250 mL | 100059-2-250 |
| Thorium | 1,000 µg/mL | 2% HCl | 500 mL | 100059-2-500 |
| Thorium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M59-1-100 |
| Thorium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M59-1-250 |
| Thorium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M59-1-500 |
| Thulium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-60-1-100 |
| Thulium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100060-1-100 |
| Thulium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100060-1-250 |
| Thulium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100060-1-500 |
| Thulium | 1,000 µg/mL | 2% HCl | 100 mL | 100060-2-100 |
| Thulium | 1,000 µg/mL | 2% HCl | 250 mL | 100060-2-250 |
| Thulium | 1,000 µg/mL | 2% HCl | 500 mL | 100060-2-500 |
| Thulium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M60-1-100 |
| Thulium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M60-1-250 |
| Thulium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M60-1-500 |
| Thulium | 10,000 µg/mL | 4% HCl | 100 mL | 10M60-2-100 |
| Thulium | 10,000 µg/mL | 4% HCl | 500 mL | 10M60-2-500 |
| Tin | 100 µg/mL | 2% HNO ₃ + Tr HF | 100 mL | 100-61-3-100 |
| Tin | 100 µg/mL | 2% HNO ₃ + Tr HF | 250 mL | 100-61-3-250 |
| Tin | 100 µg/mL | 2% HNO ₃ + Tr HF | 500 mL | 100-61-3-500 |
| Tin | 100 µg/mL | H ₂ O | 100 mL | 100-61-4-100 |
| Tin | 100 µg/mL | H ₂ O | 250 mL | 100-61-4-250 |
| Tin | 1,000 µg/mL | 20% HCl | 50 mL | 100061-2-50 |
| Tin | 1,000 µg/mL | 20% HCl | 100 mL | 100061-2-100 |
| Tin | 1,000 µg/mL | 20% HCl | 250 mL | 100061-2-250 |
| Tin | 1,000 µg/mL | 20% HCl | 500 mL | 100061-2-500 |
| Tin | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 50 mL | 100061-3-50 |
| Tin | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 100 mL | 100061-3-100 |
| Tin | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 250 mL | 100061-3-250 |
| Tin | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 500 mL | 100061-3-500 |
| Tin | 1,000 µg/mL | H ₂ O | 100 mL | 100061-4-100 |
| Tin | 1,000 µg/mL | H ₂ O | 250 mL | 100061-4-250 |
| Tin | 1,000 µg/mL | H ₂ O | 500 mL | 100061-4-500 |
| Tin | 10,000 µg/mL | 60% HCl | 100 mL | 10M61-2-100 |
| Tin | 10,000 µg/mL | 60% HCl | 250 mL | 10M61-2-250 |
| Tin | 10,000 µg/mL | 60% HCl | 500 mL | 10M61-2-500 |
| Tin | 10,000 µg/mL | 5% HNO ₃ + 2% HF | 100 mL | 10M61-3-100 |
| Tin | 10,000 µg/mL | 5% HNO ₃ + 2% HF | 250 mL | 10M61-3-250 |
| Tin | 10,000 µg/mL | 5% HNO ₃ + 2% HF | 500 mL | 10M61-3-500 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|-----------|---------------|-------------------------------|--------|--------------|
| Tin | 10,000 µg/mL | H ₂ O | 100 mL | 10M61-4-100 |
| Tin | 10,000 µg/mL | H ₂ O | 250 mL | 10M61-4-250 |
| Titanium | 100 µg/mL | 2% HNO ₃ + Tr HF | 100 mL | 100-62-3-100 |
| Titanium | 100 µg/mL | 2% HNO ₃ + Tr HF | 250 mL | 100-62-3-250 |
| Titanium | 100 µg/mL | 2% HNO ₃ + Tr HF | 500 mL | 100-62-3-500 |
| Titanium | 100 µg/mL | H ₂ O | 100 mL | 100-62-4-100 |
| Titanium | 1,000 µg/mL | 20% HCl | 50 mL | 100062-2-50 |
| Titanium | 1,000 µg/mL | 20% HCl | 100 mL | 100062-2-100 |
| Titanium | 1,000 µg/mL | 20% HCl | 250 mL | 100062-2-250 |
| Titanium | 1,000 µg/mL | 20% HCl | 500 mL | 100062-2-500 |
| Titanium | 1,000 µg/mL | 2% HNO ₃ + 0.1% HF | 50 mL | 100062-3-50 |
| Titanium | 1,000 µg/mL | 2% HNO ₃ + 0.1% HF | 100 mL | 100062-3-100 |
| Titanium | 1,000 µg/mL | 2% HNO ₃ + 0.1% HF | 250 mL | 100062-3-250 |
| Titanium | 1,000 µg/mL | 2% HNO ₃ + 0.1% HF | 500 mL | 100062-3-500 |
| Titanium | 1,000 µg/mL | H ₂ O | 50 mL | 100062-4-50 |
| Titanium | 1,000 µg/mL | H ₂ O | 100 mL | 100062-4-100 |
| Titanium | 1,000 µg/mL | H ₂ O | 250 mL | 100062-4-250 |
| Titanium | 1,000 µg/mL | H ₂ O | 500 mL | 100062-4-500 |
| Titanium | 10,000 µg/mL | 40% HCl | 100 mL | 10M62-2-100 |
| Titanium | 10,000 µg/mL | 40% HCl | 250 mL | 10M62-2-250 |
| Titanium | 10,000 µg/mL | 40% HCl | 500 mL | 10M62-2-500 |
| Titanium | 10,000 µg/mL | 5% HNO ₃ + 2% HF | 100 mL | 10M62-3-100 |
| Titanium | 10,000 µg/mL | 5% HNO ₃ + 2% HF | 250 mL | 10M62-3-250 |
| Titanium | 10,000 µg/mL | 5% HNO ₃ + 2% HF | 500 mL | 10M62-3-500 |
| Titanium | 10,000 µg/mL | H ₂ O | 100 mL | 10M62-4-100 |
| Titanium | 10,000 µg/mL | H ₂ O | 250 mL | 10M62-4-250 |
| Titanium | 10,000 µg/mL | H ₂ O | 500 mL | 10M62-4-500 |
| Tungsten | 100 µg/mL | 2% HNO ₃ + Tr HF | 100 mL | 100-63-3-100 |
| Tungsten | 100 µg/mL | 2% HNO ₃ + Tr HF | 250 mL | 100-63-3-250 |
| Tungsten | 100 µg/mL | 2% HNO ₃ + Tr HF | 500 mL | 100-63-3-500 |
| Tungsten | 1,000 µg/mL | 2% HNO ₃ + 1% HF | 50 mL | 100063-3-50 |
| Tungsten | 1,000 µg/mL | 2% HNO ₃ + 1% HF | 100 mL | 100063-3-100 |
| Tungsten | 1,000 µg/mL | 2% HNO ₃ + 1% HF | 250 mL | 100063-3-250 |
| Tungsten | 1,000 µg/mL | 2% HNO ₃ + 1% HF | 500 mL | 100063-3-500 |
| Tungsten | 1,000 µg/mL | 0.1% NH ₄ OH | 100 mL | 100063-4-100 |
| Tungsten | 1,000 µg/mL | 0.1% NH ₄ OH | 250 mL | 100063-4-250 |
| Tungsten | 10,000 µg/mL | 5% HNO ₃ + 2% HF | 100 mL | 10M63-3-100 |
| Tungsten | 10,000 µg/mL | 5% HNO ₃ + 2% HF | 250 mL | 10M63-3-250 |
| Tungsten | 10,000 µg/mL | 5% HNO ₃ + 2% HF | 500 mL | 10M63-3-500 |
| Tungsten | 10,000 µg/mL | H ₂ O | 100 mL | 10M63-4-100 |
| Tungsten | 10,000 µg/mL | H ₂ O | 500 mL | 10M63-4-500 |
| Thorium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100059-1-50 |
| Thorium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100059-1-100 |
| Thorium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100059-1-250 |
| Thorium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100059-1-500 |
| Uranium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-64-1-100 |
| Uranium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-64-1-250 |
| Uranium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-64-1-500 |
| Uranium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100064-1-50 |
| Uranium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100064-1-100 |
| Uranium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100064-1-250 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|-----------|---------------|------------------------------|--------|---------------|
| Uranium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100064-1-500 |
| Uranium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100064-1D-50 |
| Uranium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100064-1D-100 |
| Uranium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100064-1D-250 |
| Uranium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100064-1D-500 |
| Uranium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M64-1-100 |
| Uranium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M64-1-250 |
| Uranium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M64-1-500 |
| Uranium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M64-1D-100 |
| Uranium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M64-1D-250 |
| Uranium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M64-1D-500 |
| Vanadium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-65-1-100 |
| Vanadium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-65-1-250 |
| Vanadium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-65-1-500 |
| Vanadium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100065-1-50 |
| Vanadium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100065-1-100 |
| Vanadium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100065-1-250 |
| Vanadium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100065-1-500 |
| Vanadium | 1,000 µg/mL | 2% HCl | 100 mL | 100065-2-100 |
| Vanadium | 1,000 µg/mL | 2% HCl | 250 mL | 100065-2-250 |
| Vanadium | 1,000 µg/mL | 2% HCl | 500 mL | 100065-2-500 |
| Vanadium | 5,000 µg/mL | 5% HNO ₃ | 100 mL | 5M65-1-100 |
| Vanadium | 5,000 µg/mL | 5% HNO ₃ | 250 mL | 5M65-1-250 |
| Vanadium | 5,000 µg/mL | 5% HNO ₃ | 500 mL | 5M65-1-500 |
| Vanadium | 10,000 µg/mL | 10% HCl | 100 mL | 10M65-2-100 |
| Vanadium | 10,000 µg/mL | 10% HCl | 250 mL | 10M65-2-250 |
| Vanadium | 10,000 µg/mL | 10% HCl | 500 mL | 10M65-2-500 |
| Vanadium | 10,000 µg/mL | 10% HNO ₃ + Tr HF | 100 mL | 10M65-3-100 |
| Vanadium | 10,000 µg/mL | 10% HNO ₃ + Tr HF | 250 mL | 10M65-3-250 |
| Vanadium | 10,000 µg/mL | 10% HNO ₃ + Tr HF | 500 mL | 10M65-3-500 |
| Ytterbium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-66-1-100 |
| Ytterbium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-66-1-250 |
| Ytterbium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-66-1-500 |
| Ytterbium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100066-1-50 |
| Ytterbium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100066-1-100 |
| Ytterbium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100066-1-250 |
| Ytterbium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100066-1-500 |
| Ytterbium | 1,000 µg/mL | 2% HCl | 100 mL | 100066-2-100 |
| Ytterbium | 1,000 µg/mL | 2% HCl | 250 mL | 100066-2-250 |
| Ytterbium | 1,000 µg/mL | 2% HCl | 500 mL | 100066-2-500 |
| Ytterbium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M66-1-100 |
| Ytterbium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M66-1-250 |
| Ytterbium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M66-1-500 |
| Ytterbium | 10,000 µg/mL | 4% HCl | 100 mL | 10M66-2-100 |
| Ytterbium | 10,000 µg/mL | 4% HCl | 500 mL | 10M66-2-500 |
| Yttrium | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-67-1-100 |
| Yttrium | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-67-1-250 |
| Yttrium | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-67-1-500 |
| Yttrium | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100067-1-50 |
| Yttrium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100067-1-100 |
| Yttrium | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100067-1-250 |

ICP Single-Component Standards (cont'd)

| Component | Concentration | Matrix | Volume | Part # |
|-----------|---------------|-------------------------------|--------|--------------|
| Yttrium | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100067-1-500 |
| Yttrium | 1,000 µg/mL | 2% HCl | 100 mL | 100067-2-100 |
| Yttrium | 1,000 µg/mL | 2% HCl | 250 mL | 100067-2-250 |
| Yttrium | 1,000 µg/mL | 2% HCl | 500 mL | 100067-2-500 |
| Yttrium | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M67-1-100 |
| Yttrium | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M67-1-250 |
| Yttrium | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M67-1-500 |
| Yttrium | 10,000 µg/mL | 4% HCl | 100 mL | 10M67-2-100 |
| Yttrium | 10,000 µg/mL | 4% HCl | 250 mL | 10M67-2-250 |
| Yttrium | 10,000 µg/mL | 4% HCl | 500 mL | 10M67-2-500 |
| Zinc | 100 µg/mL | 2% HNO ₃ | 100 mL | 100-68-1-100 |
| Zinc | 100 µg/mL | 2% HNO ₃ | 250 mL | 100-68-1-250 |
| Zinc | 100 µg/mL | 2% HNO ₃ | 500 mL | 100-68-1-500 |
| Zinc | 1,000 µg/mL | 2% HNO ₃ | 50 mL | 100068-1-50 |
| Zinc | 1,000 µg/mL | 2% HNO ₃ | 100 mL | 100068-1-100 |
| Zinc | 1,000 µg/mL | 2% HNO ₃ | 250 mL | 100068-1-250 |
| Zinc | 1,000 µg/mL | 2% HNO ₃ | 500 mL | 100068-1-500 |
| Zinc | 1,000 µg/mL | 2% HCl | 100 mL | 100068-2-100 |
| Zinc | 1,000 µg/mL | 2% HCl | 250 mL | 100068-2-250 |
| Zinc | 1,000 µg/mL | 2% HCl | 500 mL | 100068-2-500 |
| Zinc | 10,000 µg/mL | 4% HNO ₃ | 100 mL | 10M68-1-100 |
| Zinc | 10,000 µg/mL | 4% HNO ₃ | 250 mL | 10M68-1-250 |
| Zinc | 10,000 µg/mL | 4% HNO ₃ | 500 mL | 10M68-1-500 |
| Zinc | 10,000 µg/mL | 10% HCl | 100 mL | 10M68-2-100 |
| Zinc | 10,000 µg/mL | 10% HCl | 250 mL | 10M68-2-250 |
| Zinc | 10,000 µg/mL | 10% HCl | 500 mL | 10M68-2-500 |
| Zirconium | 100 µg/mL | 2% HNO ₃ + Tr HF | 100 mL | 100-69-3-100 |
| Zirconium | 100 µg/mL | 2% HNO ₃ + Tr HF | 250 mL | 100-69-3-250 |
| Zirconium | 100 µg/mL | 2% HNO ₃ + Tr HF | 500 mL | 100-69-3-500 |
| Zirconium | 1,000 µg/mL | 0.5% HNO ₃ | 50 mL | 100069-1-50 |
| Zirconium | 1,000 µg/mL | 0.5% HNO ₃ | 100 mL | 100069-1-100 |
| Zirconium | 1,000 µg/mL | 0.5% HNO ₃ | 250 mL | 100069-1-250 |
| Zirconium | 1,000 µg/mL | 0.5% HNO ₃ | 500 mL | 100069-1-500 |
| Zirconium | 1,000 µg/mL | 2% HCl | 100 mL | 100069-2-100 |
| Zirconium | 1,000 µg/mL | 2% HCl | 250 mL | 100069-2-250 |
| Zirconium | 1,000 µg/mL | 2% HCl | 500 mL | 100069-2-500 |
| Zirconium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 50 mL | 100069-3-50 |
| Zirconium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 100 mL | 100069-3-100 |
| Zirconium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 250 mL | 100069-3-250 |
| Zirconium | 1,000 µg/mL | 2% HNO ₃ + 0.5% HF | 500 mL | 100069-3-500 |
| Zirconium | 10,000 µg/mL | 2% HCl | 100 mL | 10M69-2-100 |
| Zirconium | 10,000 µg/mL | 2% HCl | 250 mL | 10M69-2-250 |
| Zirconium | 10,000 µg/mL | 2% HCl | 500 mL | 10M69-2-500 |
| Zirconium | 10,000 µg/mL | 4% HNO ₃ + 2% HF | 100 mL | 10M69-3-100 |
| Zirconium | 10,000 µg/mL | 4% HNO ₃ + 2% HF | 250 mL | 10M69-3-250 |
| Zirconium | 10,000 µg/mL | 4% HNO ₃ + 2% HF | 500 mL | 10M69-3-500 |

ICP Multi-Component Standards - Starter Kits

NOTE: Each kit contains individual 100 mL or 250 mL bottles of the listed elements at 1,000 µg/mL

| Components | Concentration | Matrix | Volume | Part # |
|--|---------------|-------------------------------|--------|-----------------|
| Aluminum, Arsenic, Barium, Beryllium, Bismuth, Cadmium, Calcium, Chromium, Cobalt, Copper, Indium, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Selenium, Silicon*, Silver, Sodium, Strontium, Thallium, Vanadium, Zinc | 1,000 µg/mL | 2% HNO ₃ | 100 mL | ICP-KIT-A-100 |
| | | | 250 mL | ICP-KIT-A-250 |
| Antimony, Hafnium, Molybdenum, Niobium, Tantalum, Tellurium, Tin, Titanium, Tungsten, Zirconium | 1,000 µg/mL | 2-5% HNO ₃ + Tr HF | 100 mL | ICP-KIT-B-100 |
| | | | 250 mL | ICP-KIT-B-250 |
| Boron, Phosphorus, Sulfur | 1,000 µg/mL | H ₂ O | 100 mL | ICP-KIT-C-100 |
| | | | 250 mL | ICP-KIT-C-250 |
| Gold, Palladium**, Platinum | 1,000 µg/mL | 2-5% HCl | 100 mL | ICP-KIT-D-100 |
| | | | 250 mL | ICP-KIT-D-250 |
| Cerium, Dysprosium, Erbium, Europium, Gadolinium, Holmium, Lanthanum, Lutetium, Neodymium, Praseodymium, Samarium, Scandium, Terbium, Thorium, Thulium, Uranium, Ytterbium, Yttrium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | ICP-KIT-E-100 |
| | | | 250 mL | ICP-KIT-E-250 |
| Complete Kit: Contains all 60 single-element solutions in kits ICP-KIT-A through ICP-KIT-E | 1,000 µg/mL | Multiple | 100 mL | ICP-KIT-A-E-100 |
| | | | 250 mL | ICP-KIT-A-E-250 |

ICP Multi-Component Standards - Analytical Mixtures

| Components | Concentration | Matrix | Volume | Part # |
|--|---------------|-----------------------------|-------------------------------|--|
| Mercury | 5 µg/mL | 2% HNO ₃ | 100 mL 250 mL 500 mL | ICP-AM-3-100 ICP-AM-3-250 ICP-AM-3-500 |
| Beryllium | 10 µg/mL | | | |
| Arsenic, Iron, Nickel, Selenium | 50 µg/mL | | | |
| Aluminum, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Vanadium, Zinc | 100 µg/mL | | | |
| Antimony, Calcium, Magnesium, Selenium, Sodium, Sulfur, Tellurium, Tin | 100 µg/mL | 20% HCl | 100 mL | ICP-AM-4-100 |
| | | | 250 mL | ICP-AM-4-250 |
| | | | 500 mL | ICP-AM-4-500 |
| Aluminum, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Manganese, Nickel, Zinc | 100 µg/mL | 5% HCl | 100 mL | ICP-AM-5-100 |
| | | | 250 mL | ICP-AM-5-250 |
| | | | 500 mL | ICP-AM-5-500 |
| Solution A [†] | 100 µg/mL | 4% HNO ₃ + Tr HF | 2 solution set at 100 mL each | ICP-AM-6-100 |
| | | | 2 solution set at 250 mL each | ICP-AM-6-250 |
| Solution B [†] | | Silver | 4% HNO ₃ | 2 solution set at 500 mL each |

* Silicon from (NH₄)₂SiF₆

** Available as Nitrate. (must specify).

† Solution A and B can also be sold separately.

ICP Multi-Component Standards - Analytical Mixtures (cont'd)

| Components | | Concentration | Matrix | Volume | Part # |
|--|---|---------------------|-----------------------------|-------------------------------|---------------|
| Solution A* | Aluminum, Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Thallium, Uranium, Vanadium, Zinc | 100 µg/mL | 4% HNO ₃ + Tr HF | 2 solution set at 100 mL each | ICP-AM-12-100 |
| Solution B* | Thorium | | 4% HNO ₃ | 2 solution set at 250 mL each | ICP-AM-12-250 |
| | | | | 2 solution set at 500 mL each | ICP-AM-12-500 |
| Calcium, Magnesium, Potassium, Sodium | 1,000 µg/mL | 2% HNO ₃ | 100 mL | ICP-AM-15-1M-100 | |
| | | | 250 mL | ICP-AM-15-1M-250 | |
| | | | 500 mL | ICP-AM-15-1M-500 | |
| Calcium, Magnesium, Potassium, Sodium | 10,000 µg/mL | 5% HNO ₃ | 100 mL | ICP-AM-15-100 | |
| | | | 250 mL | ICP-AM-15-250 | |
| | | | 500 mL | ICP-AM-15-500 | |
| Calcium, Iron, Magnesium, Potassium, Sodium | 1,000 µg/mL | 5% HNO ₃ | 100 mL | ICP-AM-16-100 | |
| | | | 250 mL | ICP-AM-16-250 | |
| | | | 500 mL | ICP-AM-16-500 | |
| Aluminum, Calcium, Iron, Magnesium, Phosphorus, Potassium, Sodium | 1,000 µg/mL | 5% HNO ₃ | 100 mL | ICP-AM-17-100 | |
| | | | 250 mL | ICP-AM-17-250 | |
| | | | 500 mL | ICP-AM-17-500 | |
| Cerium, Dysprosium, Erbium, Europium, Gadolinium, Holmium, Lanthanum, Lutetium, Neodymium, Praseodymium, Samarium, Scandium, Terbium, Thorium, Thulium, Ytterbium, Yttrium | 100 µg/mL | 2% HNO ₃ | 100 mL | ICP-AM-MISA5-100 | |
| | | | 250 mL | ICP-AM-MISA5-250 | |
| | | | 500 mL | ICP-AM-MISA5-500 | |
| Aluminum, Barium, Boron, Cadmium, Calcium, Cesium, Chromium, Cobalt, Copper, Gallium, Indium, Iron, Lead, Lithium, Magnesium, Manganese, Nickel, Phosphorus, Potassium, Rubidium, Silver, Sodium, Strontium, Thallium, Uranium, Vanadium, Zinc | 100 µg/mL | 2% HNO ₃ | 100 mL | ICP-AM-MISA6-100 | |
| | | | 250 mL | ICP-AM-MISA6-250 | |
| | | | 500 mL | ICP-AM-MISA6-500 | |

ICP Multi-Component Standards - Calibration Standards

| Components | Concentration | Matrix | Volume | Part # |
|---|---------------|---------------------|--------|---------------|
| Beryllium | 50 µg/mL | 2% HNO ₃ | 100 mL | ICP-MCS-1-100 |
| Boron, Cadmium, Manganese, Zinc | 100 µg/mL | | 250 mL | ICP-MCS-1-250 |
| Selenium | 200 µg/mL | | 500 mL | ICP-MCS-1-500 |
| Arsenic, Lead | 500 µg/mL | | | |
| Barium, Calcium, Cobalt, Iron, Magnesium, Nickel, Silicon, Vanadium | 100 µg/mL | 2% HNO ₃ | 100 mL | ICP-MCS-2-100 |
| | | | 250 mL | ICP-MCS-2-250 |
| | | | 500 mL | ICP-MCS-2-500 |
| Chromium | 20 µg/mL | 5% HCl | 100 mL | ICP-MCS-3-100 |
| Molybdenum | 100 µg/mL | | 250 mL | ICP-MCS-3-250 |
| Aluminum, Antimony, Sodium | 200 µg/mL | | 500 mL | ICP-MCS-3-500 |
| Potassium | 400 µg/mL | | | |

* Solution A and B can also be sold separately.

ICP Multi-Component Standards - Calibration Standards (cont'd)

| Components | Concentration | Matrix | Volume | Part # | | | |
|---|---------------|---------------------|----------------------------|--|---------|------------------|----------------------------------|
| Strontium | 10 µg/mL | 2% HNO ₃ | 100 mL 250 mL 500 mL | ICP-MCS-8-100 ICP-MCS-8-250 ICP-MCS-8-500 | | | |
| Chromium, Nickel | 20 µg/mL | | | | | | |
| Lithium | 100 µg/mL | | | | | | |
| Aluminum, Sodium | 200 µg/mL | | | | | | |
| Potassium | 400 µg/mL | | | | | | |
| Calcium | 1,000 µg/mL | | | | | | |
| Beryllium | 50 µg/mL | 4% HNO ₃ | 100 mL 250 mL 500 mL | ICP-MCS-10-100 ICP-MCS-10-250 ICP-MCS-10-500 | | | |
| Copper | 250 µg/mL | | | | | | |
| Cobalt, Vanadium | 500 µg/mL | | | | | | |
| Iron | 1,000 µg/mL | | | | | | |
| Aluminum, Barium | 2,000 µg/mL | | | | | | |
| Cerium, Dysprosium, Erbium, Europium, Gadolinium, Holmium, Lanthanum, Lutetium, Neodymium, Praseodymium, Samarium, Scandium, Terbium, Thorium, Thulium, Uranium, Ytterbium, Yttrium | 100 µg/mL | 5% HNO ₃ | 100 mL 250 mL 500 mL | ICP-MCS-11-100 ICP-MCS-11-250 ICP-MCS-11-500 | | | |
| Gold, Iridium, Palladium, Platinum, Rhodium, Ruthenium | 100 µg/mL | | | | 10% HCl | 100 mL 250 mL | ICP-MCS-12-100 ICP-MCS-12-250 |
| | | | | | | | |

ICP Multi-Component Standards - Working Calibration Standards

| Components | Concentration | Matrix | Volume | Part # | | | |
|---|---------------|-----------------------------|----------------------------|--|---------------------|----------------------------|--|
| Beryllium, Silver | 1 µg/mL | 2% HNO ₃ + Tr HF | 100 mL 250 mL 500 mL | ICP-WS-1-100 ICP-WS-1-250 ICP-WS-1-500 | | | |
| Aluminum, Antimony, Arsenic, Iron, Lead, Molybdenum, Selenium, Thallium, Tin, Titanium, Zinc | 10 µg/mL | | | | | | |
| Barium, Bismuth, Boron, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Strontium, Vanadium | 10 µg/mL | | | | | | |
| Calcium, Magnesium, Potassium, Sodium | 50 µg/mL | 2% HNO ₃ | 100 mL 250 mL 500 mL | ICP-WS-2-100 ICP-WS-2-250 ICP-WS-2-500 | | | |
| Gold, Iridium, Osmium, Palladium, Rhodium, Ruthenium | 10 µg/mL | | | | | | |
| Platinum, Tellurium | 50 µg/mL | 5% HCl | 100 mL 250 mL 500 mL | ICP-WS-3-100 ICP-WS-3-250 ICP-WS-3-500 | | | |
| Cerium, Dysprosium, Erbium, Europium, Gadolinium, Holmium, Lanthanum, Lutetium, Neodymium, Praseodymium, Samarium, Scandium, Terbium, Thorium, Thulium, Uranium, Ytterbium, Yttrium | 10 µg/mL | | | | 2% HNO ₃ | 100 mL 250 mL 500 mL | ICP-WS-4-100 ICP-WS-4-250 ICP-WS-4-500 |
| | | | | | | | |

ICP Multi-Component Standards - EPA Method Standards

| Components | | Concentration | Matrix | Volume | Part # | |
|--|---|---------------|---|--|--|---------------|
| Antimony | | 1,000 µg/mL | 5% Tartaric Acid + 2% HNO ₃ | 100 mL | CLP-CAL-2-100 | |
| | | | | 250 mL | CLP-CAL-2-250 | |
| Barium, Beryllium, Chromium, Cobalt, Copper, Manganese, Vanadium | | 50 µg/mL | 2% HNO ₃ | 100 mL | ANALCS-100 | |
| Cadmium, Lead, Nickel, Silver, Zinc | | 100 µg/mL | | 250 mL | ANALCS-250 | |
| | | | | 500 mL | ANALCS-500 | |
| Lead, Selenium | | 5 µg/mL | 2% HNO ₃ + Tr HF | 100 mL | ANALCS-R-100 | |
| Arsenic, Thallium | | 10 µg/mL | | | | |
| Silver | | 20 µg/mL | | | | |
| Barium, Beryllium, Chromium, Cobalt, Copper, Manganese, Vanadium | | 50 µg/mL | | | | |
| Antimony | | 60 µg/mL | | | | |
| Cadmium, Nickel, Zinc | | 100 µg/mL | | | | |
| | | | | | | |
| Solution A* | Beryllium | 50 µg/mL | 4% HNO ₃ | 2 solution set at 100 mL each | CLP-CAL-1-100 | |
| | Chromium | 200 µg/mL | | | | |
| | Copper | 250 µg/mL | | | | |
| | Cobalt, Manganese, Nickel, Vanadium, Zinc | | | 500 µg/mL | 2 solution set at 250 mL each | CLP-CAL-1-250 |
| | Iron | | | 1,000 µg/mL | | |
| | Aluminum, Barium | | | 2,000 µg/mL | | |
| | Calcium, Potassium, Magnesium, Sodium | | | 5,000 µg/mL | | |
| Solution B* | Silver | 250 µg/mL | | | | |
| Beryllium | | 25 µg/mL | 4% HNO ₃ | 100 mL | CLP-CV-1-100 | |
| Chromium | | 100 µg/mL | | | | |
| Copper, Silver | | 125 µg/mL | | | | |
| Cobalt, Manganese, Nickel, Vanadium, Zinc | | 250 µg/mL | | | | |
| Iron | | 500 µg/mL | | | | |
| Aluminum, Barium | | 1,000 µg/mL | | | | |
| Calcium, Magnesium, Potassium, Sodium | | 2,500 µg/mL | | | | |
| | | | | | | |
| Iron | | 2,000 µg/mL | 5% HNO ₃ | 100 mL | CLP-INF-1-100 | |
| | | | | 250 mL | CLP-INF-1-250 | |
| Aluminum, Calcium, Magnesium | | 5,000 µg/mL | | 500 mL | CLP-INF-1-500 | |
| Beryllium, Cadmium, Silver | | 5 µg/mL | 2% HNO ₃ + Tr HF | 100 mL | CLP-SS-100 | |
| Chromium | | 20 µg/mL | | | | |
| Copper | | 25 µg/mL | | | | |
| Antimony, Cobalt, Lead, Manganese, Nickel, Vanadium, Zinc | | 50 µg/mL | | | | |
| Iron | | 100 µg/mL | | | | |
| Aluminum, Arsenic, Barium, Selenium, Thallium | | 200 µg/mL | | | | |

* Solution A and B can also be sold separately.

ICP Multi-Component Standards - EPA Method Standards (cont'd)

| Components | | Concentration | Matrix | Volume | Part # |
|---|--|---------------|-----------------------------|-------------------------------|------------------|
| Lead | | 6 µg/mL | 2% HNO ₃ + Tr HF | 100 mL | CRDL-100 |
| Beryllium, Cadmium, Selenium | | 10 µg/mL | | | |
| Arsenic, Chromium, Silver, Thallium | | 20 µg/mL | | | |
| Manganese | | 30 µg/mL | | | |
| Zinc | | 40 µg/mL | | | |
| Copper | | 50 µg/mL | | 250 mL | CRDL-250 |
| Nickel | | 80 µg/mL | | | |
| Cobalt, Vanadium | | 100 µg/mL | | | |
| Antimony | | 120 µg/mL | | | |
| Solution A* | Chromium, Nickel, Zinc | 500 µg/mL | 2% HNO ₃ | 2 solution set at 100 mL each | ICP-200.7-1-100 |
| | Aluminum, Calcium, Magnesium, Potassium, Sodium | 1,000 µg/mL | | 2 solution set at 250 mL each | ICP-200.7-1-250 |
| Solution B* | Silver | 500 µg/mL | | 2 solution set at 500 mL each | ICP-200.7-1-500 |
| Silver | | 2.5 µg/mL | 2% HNO ₃ + Tr HF | 100 mL | ICP-200.7-5-100 |
| Beryllium, Mercury | | 5 µg/mL | | | |
| Cadmium, Cobalt, Molybdenum, Tin, Vanadium | | 10 µg/mL | | 250 mL | ICP-200.7-5-250 |
| Aluminum, Antimony, Arsenic, Barium, Boron, Chromium, Copper, Iron, Lead, Lithium, Manganese, Nickel, Selenium, Silicon, Strontium, Thallium, Zinc | | 25 µg/mL | | | |
| Phosphorus | | 50 µg/mL | | | |
| Solution A* | Silver | 5 µg/mL | 2% HNO ₃ + Tr HF | 2 solution set at 100 mL each | ICP-200.7-6-100 |
| | Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Lithium, Magnesium, Manganese, Molybdenum, Nickel, Selenium, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc | 20 µg/mL | | 2 solution set at 250 mL each | ICP-200.7-6-250 |
| | Phosphorus, Potassium, Silicon | 100 µg/mL | | 2 Solution set at 500 mL each | ICP-200.7-6-500 |
| Solution B* | Mercury | 20 µg/mL | 5% HNO ₃ | | |
| Silver | | 25 µg/mL | 5% HNO ₃ | 100 mL | ICP-200.7-10-100 |
| Aluminum, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Cerium, Chromium, Cobalt, Copper, Iron, Lead, Lithium, Magnesium, Manganese, Mercury, Nickel, Selenium, Thallium, Vanadium, Zinc | | 200 µg/mL | | | |
| | | | | 500 mL | ICP-200.7-10-500 |
| Phosphorus, Potassium | | 1,000 µg/mL | | | |

* Solution A and B can also be sold separately.

ICP Multi-Component Standards - EPA Method Standards (cont'd)

| Components | Concentration | Matrix | Volume | Part # |
|---|---------------|-----------------------------|--------|----------------|
| Silver | 1.5 µg/mL | 2% HNO ₃ + Tr HF | 100 mL | ICP-SS-100 |
| Thallium | 10 µg/mL | | | |
| Barium, Beryllium, Boron, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Tin, Vanadium | 20 µg/mL | | | |
| Arsenic, Lead | 25 µg/mL | | | |
| Antimony, Selenium | 50 µg/mL | | | |
| Aluminum, Iron, Strontium, Zinc | 100 µg/mL | | | |
| Potassium | 150 µg/mL | | | |
| Magnesium, Silicon | 500 µg/mL | | | |
| Calcium, Sodium | 2,000 µg/mL | | | |
| Beryllium, Cadmium, Silver | 5 µg/mL | 2% HNO ₃ + Tr HF | 100 mL | ICP-SSWS-100 |
| Chromium | 20 µg/mL | | | |
| Copper | 25 µg/mL | | | |
| Antimony, Cobalt, Lead, Manganese, Nickel, Vanadium, Zinc | 50 µg/mL | | | |
| Iron | 100 µg/mL | | | |
| Aluminum, Arsenic, Barium, Selenium, Thallium | 200 µg/mL | | | |
| Selenium | 1 µg/mL | 2% HNO ₃ + Tr HF | 100 mL | ICP-SSWS-M-100 |
| Lead | 2 µg/mL | | | |
| Arsenic | 4 µg/mL | | | |
| Beryllium, Cadmium, Silver, Thallium | 5 µg/mL | | | |
| Chromium | 20 µg/mL | | | |
| Copper | 25 µg/mL | | | |
| Antimony, Cobalt, Manganese, Nickel, Vanadium, Zinc | 50 µg/mL | | | |
| Iron | 100 µg/mL | | | |
| Aluminum, Barium | 200 µg/mL | | | |
| | | | 500 mL | ICP-SSWS-M-500 |

ICP Multi-Component Standards - Check Verification Standards

| Components | | Concentration | Matrix | Volume | Part # |
|---------------------------------------|---|---------------|-----------------------------|--|--|
| Solution A* | Barium, Beryllium, Cadmium, Chromium, Cobalt, Manganese, Vanadium, Zinc | 50 µg/mL | 4% HNO ₃ + Tr HF | 2 solution set at 100 mL each | ICV-1-100 |
| | Aluminum, Arsenic, Bismuth, Boron, Calcium, Copper, Iron, Lead, Lithium, Magnesium, Molybdenum, Nickel, Strontium, Thallium | 100 µg/mL | | | |
| | Phosphorus, Potassium, Selenium | 200 µg/mL | | | |
| Solution B* | Silicon | 100 µg/mL | H ₂ O | 2 solution set at 500 mL each | ICV-1-500 |
| | Sodium | 160 µg/mL | | | |
| | Sulfur | 200 µg/mL | | | |
| Antimony, Tin, Titanium | | 100 µg/mL | 15% HCl | 100 mL 250 mL 500 mL | ICV-2-100 ICV-2-250 ICV-2-500 |
| Beryllium, Cadmium, Lead, Selenium | | 5 µg/mL | 4% HNO ₃ + Tr HF | 100 mL 500 mL | ICV-4-100 ICV-4-500 |
| Arsenic, Chromium, Silver, Thallium | | 10 µg/mL | | | |
| Manganese | | 15 µg/mL | | | |
| Zinc | | 20 µg/mL | | | |
| Copper | | 25 µg/mL | | | |
| Nickel | | 40 µg/mL | | | |
| Cobalt, Vanadium | | 50 µg/mL | | | |
| Antimony | | 60 µg/mL | | | |
| Iron | | 100 µg/mL | | | |
| Aluminum, Barium | | 200 µg/mL | | | |
| Calcium, Magnesium, Potassium, Sodium | | 5,000 µg/mL | | | |
| Solution A* | Chromium | 50 µg/mL | | | |
| | Barium, Beryllium, Cadmium, Cobalt, Manganese, Vanadium, Zinc | 100 µg/mL | | | |
| | Aluminum, Arsenic, Bismuth, Boron, Calcium, Copper, Iron, Lead, Lithium, Magnesium, Molybdenum, Nickel, Selenium, Strontium, Thallium | 200 µg/mL | | | |
| | Phosphorus, Potassium | 500 µg/mL | | | |
| Solution B* | Silicon, Sodium**, Sulfur | 500 µg/mL | H ₂ O | | |
| Gold, Palladium, Platinum | | 100 µg/mL | 2% HCl | 100 mL 250 mL 500 mL | CCV-3-100 CCV-3-250 CCV-3-500 |

* Solution A and B can also be sold separately.

** Concentration varies slightly.

ICP Multi-Component Standards - Interference Check Standards

| Components | | Concentration | Matrix | Volume | Part # |
|---|---|---------------|-------------------------------|-------------------------------|-------------|
| Solution A* | Mercury | 50 µg/mL | 4% HNO ₃ | 2 solution set at 100 mL each | INFCS-1-100 |
| | Beryllium | 100 µg/mL | | | |
| | Manganese | 200 µg/mL | | | |
| | Barium, Cadmium, Chromium, Cobalt, Copper, Nickel, Vanadium, Zinc | 300 µg/mL | | 2 solution set at 250 mL each | INFCS-1-250 |
| | Selenium | 500 µg/mL | | | |
| | Arsenic, Lead, Thallium | 1,000 µg/mL | | | |
| | Potassium | 20,000 µg/mL | | | |
| Solution B* | Silver | 300 µg/mL | 2 solution set at 500 mL each | INFCS-1-500 | |
| Antimony | | 1,000 µg/mL | 20% HCl | 100 mL | INFCS-2-100 |
| | | | | 250 mL | INFCS-2-250 |
| | | | | 500 mL | INFCS-2-500 |
| Aluminum, Calcium, Iron, Magnesium | | 5,000 µg/mL | 5% HNO ₃ | 100 mL | INFCS-4-100 |
| | | | | 250 mL | INFCS-4-250 |
| | | | | 500 mL | INFCS-4-500 |
| Potassium, Sodium | | 5,000 µg/mL | 2% HCl | 100 mL | INFCS-5-100 |
| | | | | 500 mL | INFCS-5-500 |
| Sodium | | 1,000 µg/mL | 4% HNO ₃ | 100 mL | INFCS-6-100 |
| Aluminum | | 1,200 µg/mL | | | |
| Magnesium | | 3,000 µg/mL | | | |
| Iron | | 5,000 µg/mL | | | |
| Calcium | | 6,000 µg/mL | | | |
| Aluminum, Calcium, Iron, Magnesium, Potassium, Sodium | | 1,000 µg/mL | 5% HNO ₃ | 100 mL | INFCS-7-100 |
| | | | | 250 mL | INFCS-7-250 |
| | | | | 500 mL | INFCS-7-500 |

ICP Multi-Component Standards - Quality Control Standards

| Components | | Concentration | Matrix | Volume | Part # |
|-------------|---|---------------|-----------------------------|-------------------------------|-------------------------------|
| Solution A* | Aluminum, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Iron, Lithium, Magnesium, Manganese, Molybdenum, Nickel, Phosphorus, Potassium, Selenium, Silicon, Uranium, Vanadium, Zinc | 100 µg/mL | 4% HNO ₃ + Tr HF | 2 solution set at 100 mL each | QCS-1-100 |
| | Yttrium | 500 µg/mL | | 2 solution set at 250 mL each | QCS-1-250 |
| Solution B* | Sulfur | 100 µg/mL | | H ₂ O | 2 solution set at 500 mL each |

* Solution A and B can also be sold separately.

ICP Multi-Component Standards - Quality Control Standards (cont'd)

| Components | Concentration | Matrix | Volume | Part # |
|--|---------------|-----------------------------|--------|--------------|
| Silicon | 50 µg/mL | 2% HNO ₃ | 100 mL | QCS-7-100 |
| Aluminum, Barium, Boron, Silver, Sodium | 100 µg/mL | | 250 mL | QCS-7-250 |
| Potassium | 1,000 µg/mL | | 500 mL | QCS-7-500 |
| Silver | 50 µg/mL | 2% HNO ₃ | 100 mL | QCS-7-M-100 |
| Aluminum, Barium, Boron, Silicon, Sodium | 100 µg/mL | | 250 mL | QCS-7-M-250 |
| Potassium | 1,000 µg/mL | | 500 mL | QCS-7-M-500 |
| Antimony, Arsenic, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Selenium, Thallium, Titanium, Vanadium, Zinc | 100 µg/mL | 4% HNO ₃ + Tr HF | 100 mL | QCS-19-100 |
| | | | 250 mL | QCS-19-250 |
| | | | 500 mL | QCS-19-500 |
| Antimony, Arsenic, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Lithium, Magnesium, Manganese, Molybdenum, Nickel, Selenium, Strontium, Thallium, Titanium, Vanadium, Zinc | 100 µg/mL | 4% HNO ₃ + Tr HF | 100 mL | QCS-21-100 |
| | | | 250 mL | QCS-21-250 |
| | | | 500 mL | QCS-21-500 |
| Aluminum, Barium, Bismuth, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Gallium, Indium, Iron, Lead, Lithium, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Strontium, Thallium, Zinc | 1,000 µg/mL | 5% HNO ₃ | 100 mL | QCS-23-100 |
| | | | 250 mL | QCS-23-250 |
| | | | 500 mL | QCS-23-500 |
| Silicon | 50 µg/mL | 4% HNO ₃ + Tr HF | 100 mL | QCS-26-100 |
| Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Selenium, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc | 100 µg/mL | | 250 mL | QCS-26-250 |
| Potassium | 1,000 µg/mL | | 500 mL | QCS-26-500 |
| Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Selenium, Silicon, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc | 100 µg/mL | 5% HNO ₃ + Tr HF | 100 mL | QCS-26-R-100 |
| | | | 250 mL | QCS-26-R-250 |
| | | | 500 mL | QCS-26-R-500 |
| Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Selenium, Silicon, Silver, Sodium, Strontium, Thallium, Titanium, Vanadium, Zinc | 100 µg/mL | 4% HNO ₃ + Tr HF | 100 mL | QCS-27-100 |
| | | | 250 mL | QCS-27-250 |
| | | | 500 mL | QCS-27-500 |

ICP Multi-Component Standards - Wavelength Calibration Solutions

| Components | Concentration | Matrix | Volume | Part # |
|--|---------------|---------------------|--------|----------------|
| Arsenic, Lanthanum, Lithium, Manganese, Molybdenum, Nickel, Scandium, Sodium | 20 µg/mL | 2% HCl | 100 mL | WAVECAL-100 |
| | | | 250 mL | WAVECAL-250 |
| | | | 500 mL | WAVECAL-500 |
| Phosphorus, Potassium, Sulfur | 100 µg/mL | 5% HNO ₃ | 100 mL | WAVECAL-2-100 |
| Aluminum, Arsenic, Barium, Cadmium, Cobalt, Chromium, Copper, Manganese, Molybdenum, Nickel, Lead, Selenium, Strontium, Zinc | 50 µg/mL | | 250 mL | WAVECAL-2-250 |
| Potassium | 500 µg/mL | | 500 mL | WAVECAL-2-500 |
| Barium, Calcium | 1 µg/mL | 2% HNO ₃ | 100 mL | WAVECAL-PE-100 |
| Lanthanum, Lithium, Manganese, Sodium, Strontium | 10 µg/mL | | 250 mL | WAVECAL-PE-250 |
| Potassium | 50 µg/mL | | 500 mL | WAVECAL-PE-500 |



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* = Required Field

| | | | |
|--|-------------------------|------------------------------|--|
| *Company Name: | | *Contact Name: | |
| *Phone: | | *E-mail: | |
| *Fax: | | Preferred Method of Contact: | |
| *Analytical Method/Intended Use: | | | |
| *Concentration Units: | *Total Volume Required: | *Bottled As: | |
| *Desired Matrix/Solvent: (Matrix may change due to compatibility) | | | |

Fill in desired concentration of required elements/components. Use the blank/other fields to fill in any components not listed.

| Comp | Conc. | Comp | Conc. | Comp | Conc. | Comp | Conc. | Comp | Conc. |
|-----------------------|-------|------|-------|------|-------|-----------|-------|------|-------|
| Al | | In | | Ru | | Bromide | | | |
| Sb | | Ir | | Sm | | Chloride | | | |
| As | | Fe | | Sc | | Cyanide | | | |
| Ba | | La | | Se | | Iodide | | | |
| Be | | Pb | | Si | | Phosphate | | | |
| Bi | | Li | | Ag | | Sulfate | | | |
| B | | 6Li | | Na | | Other | | | |
| Cd | | Lu | | Sr | | | | | |
| Ca | | Mg | | S | | | | | |
| C | | Mn | | Ta | | | | | |
| Ce | | Hg | | Te | | | | | |
| Cs | | Mo | | Tb | | | | | |
| Cr** | | Nd | | Tl | | | | | |
| Co | | Ni | | Th | | | | | |
| Cu | | Nb | | Tm | | | | | |
| Dy | | Os | | Sn | | | | | |
| Er | | Pd | | Ti | | | | | |
| Eu | | P | | W | | | | | |
| Gd | | Pt | | U*** | | | | | |
| Ga | | K | | V | | | | | |
| Ge | | Pr | | Yb | | | | | |
| Au | | Re | | Y | | | | | |
| Hf | | Rh | | Zn | | | | | |
| Ho | | Rb | | Zr | | | | | |
| Special Instructions: | | | | | | | | | |

** Cr is provided as Cr (III) + certified as total Cr.

*** Depleted, Natural U available upon request.