

## Common Mixed Standards

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## Interference Check Standard Solutions

### Interference Check Standard Solution A (4 Elements)

Element	Conc.	Element	Conc.
Aluminum(Al)	5,000 mg/L	Magnesium (Mg)	5,000 mg/L
Calcium(Ca)	5,000 mg/L	Iron (Fe)	2,000 mg/L

✓	Matrix	Volume	P/N	Qty	Price
	5% HNO <sub>3</sub>	100 mL	M2-ICSA-100		\$80.00
	5% HNO <sub>3</sub>	250 mL	M2-ICSA-250		\$110.00
	5% HNO <sub>3</sub>	500 mL	M2-ICSA-500		\$185.00

### Interference Check Standard Solution B (16 Elements)

Element	Conc.	Element	Conc.
Cadmium (Cd)	100 mg/L	Copper (Cu)	50 mg/L
Nickel (Ni)	100 mg/L	Manganese (Mn)	50 mg/L
Zinc (Zn)	100 mg/L	Vanadium (V)	50 mg/L
Antimony (Sb)	60 mg/L	Silver (Ag)	20 mg/L
Barium (Ba)	50 mg/L	Arsenic (As)	10 mg/L
Beryllium (Be)	50 mg/L	Thallium (Tl)	10 mg/L
Chromium (Cr)	50 mg/L	Lead (Pb)	5 mg/L
Cobalt (Co)	50 mg/L	Selenium (Se)	5 mg/L

✓	Matrix	Volume	P/N	Qty	Price
	5% HNO <sub>3</sub> +Tr HF	100 mL	M2-ICSB-100		\$100.00
	5% HNO <sub>3</sub> +Tr HF	250 mL	M2-ICSB-250		\$140.00
	5% HNO <sub>3</sub> +Tr HF	500 mL	M2-ICSB-500		\$190.00

### Alternate Analytes Standard (12 Elements)

Element	Conc.	Element	Conc.
Aluminum (Al)	100 mg/L	Sodium (Na)	100 mg/L
Antimony (Sb)	100 mg/L	Thallium (Tl)	100 mg/L
Arsenic (As)	100 mg/L	Cadmium (Cd)	10 mg/L
Boron (B)	100 mg/L	Iron (Fe)	10 mg/L
Molybdenum (Mo)	100 mg/L	Magnesium (Mg)	10 mg/L
Selenium (Se)	100 mg/L	Silicon (Si)	10 mg/L

✓	Matrix	Volume	P/N	Qty	Price
	5% HNO <sub>3</sub> +Tr HF	100 mL	M2-ICSBALT-100		\$110.00
	5% HNO <sub>3</sub> +Tr HF	250 mL	M2-ICSBALT-250		\$165.00
	5% HNO <sub>3</sub> +Tr HF	500 mL	M2-ICSBALT-500		\$235.00

# Elemental Scientific

## Primary Analytes Standard (12 Elements)

Element	Conc.	Element	Conc.
Cadmium (Cd)	100 mg/L	Beryllium (Be)	50 mg/L
Lead (Pb)	100 mg/L	Chromium (Cr)	50 mg/L
Nickel (Ni)	100 mg/L	Cobalt (Co)	50 mg/L
Silver (Ag)	100 mg/L	Copper (Cu)	50 mg/L
Zinc (Zn)	100 mg/L	Manganese (Mn)	50 mg/L
Barium (Ba)	50 mg/L	Vanadium (V)	50 mg/L

✓	Matrix	Volume	P/N	Qty	Price
	5% HNO <sub>3</sub>	100 mL	M2-ICSBPRIME-100		\$110.00
	5% HNO <sub>3</sub>	250 mL	M2-ICSBPRIME-250		\$165.00
	5% HNO <sub>3</sub>	500 mL	M2-ICSBPRIME-500		\$235.00

## Method 6010A Mixed Standard Solution #1 (6 Elements)

Element	Conc.	Element	Conc.
Lead (Pb)	500 mg/L	Zinc (Zn)	150 mg/L
Selenium (Se)	200 mg/L	Manganese (Mn)	100 mg/L
Cadmium (Cd)	150 mg/L	Beryllium (Be)	50 mg/L

✓	Matrix	Volume	P/N	Qty	Price
	2% HNO <sub>3</sub>	100 mL	M2-ICAL6010A1-100		\$120.00
	2% HNO <sub>3</sub>	250 mL	M2-ICAL6010A1-250		\$165.00
	2% HNO <sub>3</sub>	500 mL	M2-ICAL6010A1-500		\$245.00

## Method 6010A Mixed Standard Solution #2 (5 Elements)

Element	Con.	Element	Conc.
Iron (Fe)	10,000 mg/L	Copper (Cu)	100 mg/L
Barium (Ba)	100 mg/L	Vanadium (V)	100 mg/L
Cobalt (Co)	100 mg/L		

✓	Matrix	Volume	P/N	Qty	Price
	2% HNO <sub>3</sub>	100 mL	M2-ICAL6010A2-100		\$115.00
	2% HNO <sub>3</sub>	250 mL	M2-ICAL6010A2-250		\$150.00
	2% HNO <sub>3</sub>	500 mL	M2-ICAL6010A2-500		\$225.00

## Trace Metals Standard #1 (15 Elements)

Element	Conc.	Element	Conc.
Aluminum (Al)	500 mg/L	Lead (Pb)	100 mg/L
Vanadium (V)	250 mg/L	Manganese (Mn)	100 mg/L
Arsenic (As)	100 mg/L	Nickel (Ni)	100 mg/L
Beryllium (Be)	100 mg/L	Zinc (Zn)	100 mg/L
Chromium (Cr)	100 mg/L	Cadmium (Cd)	25 mg/L
Cobalt (Co)	100 mg/L	Selenium (Se)	25 mg/L
Copper (Cu)	100 mg/L	Mercury (Hg)	5 mg/L
Iron (Fe)	100 mg/L		

✓	Matrix	Volume	P/N	Qty	Price
	5% HNO <sub>3</sub>	100 mL	M2-ICALTRACE1-100		\$135.00
	5% HNO <sub>3</sub>	250 mL	M2-ICALTRACE1-250		\$195.00
	5% HNO <sub>3</sub>	500 mL	M2-ICALTRACE1-500		\$294.00

## Trace Metals Standard #2 (3 Elements)

Element	Conc.	Element	Conc.
Antimony (Sb)	20 mg/L	Silver (Ag)	10 mg/L
Thallium (Tl)	20 mg/L		

✓	Matrix	Volume	P/N	Qty	Price
	2% HNO <sub>3</sub> +Tr HF	100 mL	M2-ICALTRACE2-100		\$43.00
	2% HNO <sub>3</sub> +Tr HF	250 mL	M2-ICALTRACE2-250		\$75.00
	2% HNO <sub>3</sub> +Tr HF	500 mL	M2-ICALTRACE2-500		\$117.00

## Trace Metals Standard #3 (6 Elements)

Element	Conc.	Element	Conc.
Barium (Ba)	500 mg/L	Sodium (Na)	500 mg/L
Calcium (Ca)	500 mg/L	Magnesium (Mg)	100 mg/L
Molybdenum (Mo)	500 mg/L	Potassium (K)	100 mg/L

✓	Matrix	Volume	P/N	Qty	Price
	2% HNO <sub>3</sub> +Tr HF	100 mL	M2-ICALTRACE3-100		\$75.00
	2% HNO <sub>3</sub> +Tr HF	250 mL	M2-ICALTRACE3-250		\$105.00
	2% HNO <sub>3</sub> +Tr HF	500 mL	M2-ICALTRACE3-500		\$158.00

# Elemental Scientific

## Primary Drinking Water Metals Solution and TCLP Metal Spike Solution (8 Elements)

Element	Conc.	Element	Conc.
Arsenic (As)	100 mg/L	Cadmium (Cd)	50 mg/L
Chromium (Cr)	100 mg/L	Selenium (Se)	50 mg/L
Lead (Pb)	100 mg/L	Mercury (Hg)*	20 mg/L
Barium (Ba)	50 mg/L	Silver (Ag)	10 mg/L

✓	Matrix	Volume	P/N	Qty	Price
	2% HNO <sub>3</sub>	100 mL	M2-SPIKETCLP-100		\$43.00
	2% HNO <sub>3</sub>	250 mL	M2-SPIKETCLP-250		\$75.00
	2% HNO <sub>3</sub>	500 mL	M2-SPIKETCLP-500		\$110.00

\*Mercury shipped in separate bottle

## Instrument Calibration Standard 200.7-3 (6 Elements)

Element	Conc.	Element	Conc.
Arsenic (As)	1,000 mg/L	Cadmium (Cd)	500 mg/L
Lead (Pb)	1,000 mg/L	Selenium (Se)	500 mg/L
Thallium (Tl)	1,000 mg/L	Boron (B)	200 mg/L

✓	Matrix	Volume	P/N	Qty	Price
	2% HNO <sub>3</sub>	100 mL	M2-ICAL20073-100		\$55.00
	2% HNO <sub>3</sub>	250 mL	M2-ICAL20073-250		\$95.00
	2% HNO <sub>3</sub>	500 mL	M2-ICAL20073-500		\$135.00

## Instrument Calibration Standard 200.7-4 (3 Elements)

Element	Conc.	Element	Conc.
Antimony (Sb)	1,000 mg/L	Titanium (Ti)	1000 mg/L
Molybdenum (Mo)	1,000 mg/L		

✓	Matrix	Volume	P/N	Qty	Price
	4% HNO <sub>3</sub> +Tr HF	100 mL	M2-ICAL20074-100		\$35.00
	4% HNO <sub>3</sub> +Tr HF	250 mL	M2-ICAL20074-250		\$45.00
	4% HNO <sub>3</sub> +Tr HF	500 mL	M2-ICAL20074-500		\$75.00

## Quality Control Standards

### Quality Control Standard Solution #7 (7 Elements)

Element	Conc.	Element	Conc.
Potassium (K)	1,000 mg/L	Silver (Ag)	100 mg/L
Aluminum (Al)	100 mg/L	Sodium (Na)	100 mg/L
Barium (Ba)	100 mg/L	Silicon (Si)	50 mg/L
Boron (B)	100 mg/L		

✓	Matrix	Volume	P/N	Qty	Price
	5% HNO <sub>3</sub>	100 mL	M2-QC7-100		\$65.00
	5% HNO <sub>3</sub>	250 mL	M2-QC7-250		\$95.00
	5% HNO <sub>3</sub>	500 mL	M2-QC7-500		\$145.00

### Quality Control Standard Solution #19 (19 Elements)

Element	Conc.	Element	Conc.
Antimony (Sb)	100 mg/L	Magnesium (Mg)	100 mg/L
Arsenic (As)	100 mg/L	Manganese (Mn)	100 mg/L
Beryllium (Be)	100 mg/L	Molybdenum (Mo)	100 mg/L
Cadmium (Cd)	100 mg/L	Nickel (Ni)	100 mg/L
Calcium (Ca)	100 mg/L	Selenium (Se)	100 mg/L
Chromium (Cr)	100 mg/L	Thallium (Tl)	100 mg/L
Cobalt (Co)	100 mg/L	Titanium (Ti)	100 mg/L
Copper (Cu)	100 mg/L	Vanadium (V)	100 mg/L
Iron (Fe)	100 mg/L	Zinc (Zn)	100 mg/L
Lead (Pb)	100 mg/L		

✓	Matrix	Volume	P/N	Qty	Price
	5% HNO <sub>3</sub> +Tr HF	100 mL	M2-QC19-100		\$103.00
	5% HNO <sub>3</sub> +Tr HF	250 mL	M2-QC19-250		\$143.00
	5% HNO <sub>3</sub> +Tr HF	500 mL	M2-QC19-500		\$214.00

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## Quality Control Standard Solution #23 (23 Elements)

Element	Conc.	Element	Conc.
Antimony (Sb)	100 mg/L	Manganese (Mn)	100 mg/L
Arsenic (As)	100 mg/L	Molybdenum (Mo)	100 mg/L
Beryllium (Be)	100 mg/L	Nickel (Ni)	100 mg/L
Cadmium (Cd)	100 mg/L	Phosphorus (P)	100 mg/L
Calcium (Ca)	100 mg/L	Selenium (Se)	100 mg/L
Chromium (Cr)	100 mg/L	Strontium (Sr)	100 mg/L
Cobalt (Co)	100 mg/L	Thallium (Tl)	100 mg/L
Copper (Cu)	100 mg/L	Tin (Sn)	100 mg/L
Iron (Fe)	100 mg/L	Titanium (Ti)	100 mg/L
Lead (Pb)	100 mg/L	Vanadium (V)	100 mg/L
Lithium (Li)	100 mg/L	Zinc (Zn)	100 mg/L
Magnesium (Mg)	100 mg/L		

✓	Matrix	Volume	P/N	Qty	Price
	5% HNO <sub>3</sub> +Tr HF	100 mL	M2-QC23-100		\$135.00
	5% HNO <sub>3</sub> +Tr HF	250 mL	M2-QC23-250		\$210.00
	5% HNO <sub>3</sub> +Tr HF	500 mL	M2-QC23-500		\$285.00

## Quality Control Standard Solution #26 (26 Elements)

Element	Conc.	Element	Conc.
Potassium (K)	1,000 mg/L	Lead (Pb)	100 mg/L
Aluminum (Al)	100 mg/L	Magnesium (Mg)	100 mg/L
Antimony (Sb)	100 mg/L	Manganese (Mn)	100 mg/L
Arsenic (As)	100 mg/L	Molybdenum (Mo)	100 mg/L
Barium (Ba)	100 mg/L	Nickel (Ni)	100 mg/L
Beryllium (Be)	100 mg/L	Selenium (Se)	100 mg/L
Boron (B)	100 mg/L	Silver (Ag)	100 mg/L
Cadmium (Cd)	100 mg/L	Sodium (Na)	100 mg/L
Calcium (Ca)	100 mg/L	Thallium (Tl)	100 mg/L
Chromium (Cr)	100 mg/L	Titanium (Ti)	100 mg/L
Cobalt (Co)	100 mg/L	Vanadium (V)	100 mg/L
Copper (Cu)	100 mg/L	Zinc (Zn)	100 mg/L
Iron (Fe)	100 mg/L	Silicon (Si)	50 mg/L

✓	Matrix	Volume	P/N	Qty	Price
	5% HNO <sub>3</sub> +Tr HF	100 mL	M2-QC26-100		\$143.00
	5% HNO <sub>3</sub> +Tr HF	250 mL	M2-QC26-250		\$215.00
	5% HNO <sub>3</sub> +Tr HF	500 mL	M2-QC26-500		\$298.00

# Elemental Scientific

## ICP-MS Internal Standard Solution #1 (7 Elements)

Element	Conc.	Element	Conc.
Bismuth (Bi)	10 mg/L	Scandium (Sc)	10 mg/L
Holmium (Ho)	10 mg/L	Terbium (Tb)	10 mg/L
Indium (In)	10 mg/L	Yttrium (Y)	10 mg/L
Lithium <sup>6</sup> (Li <sup>6</sup> )	10 mg/L		

✓	Matrix	Volume	P/N	Qty	Price
	2% HNO <sub>3</sub>	100 mL	M2-IS1-100		\$65.00
	2% HNO <sub>3</sub>	250 mL	M2-IS1-250		\$95.00
	2% HNO <sub>3</sub>	500 mL	M2-IS1-500		\$145.00

## ICP-MS Internal Standard Solution #2 (7 Elements)

Element	Conc.	Element	Conc.
Germanium (Ge)	100 mg/L	Scandium (Sc)	100 mg/L
Indium (In)	100 mg/L	Tantalum (Ta)	100 mg/L
Lutetium (Lu)	100 mg/L	Yttrium (Y)	100 mg/L
Rhodium (Rh)	100 mg/L		

✓	Matrix	Volume	P/N	Qty	Price
	2% HNO <sub>3</sub> +Tr HF	100 mL	M2-IS2-100		\$145.00
	2% HNO <sub>3</sub> +Tr HF	250 mL	M2-IS2-250		\$200.00
	2% HNO <sub>3</sub> +Tr HF	500 mL	M2-IS2-500		\$305.00

## ICP-MS Internal Standard Solution #3 (5 Elements)

Element	Conc.	Element	Conc.
Germanium (Ge)	100 mg/L	Lutetium (Lu)	10 mg/L
Scandium (Sc)	100 mg/L	Tantalum (Ta)	10 mg/L
Indium (In)	10 mg/L		

✓	Matrix	Volume	P/N	Qty	Price
	2% HNO <sub>3</sub> +Tr HF	100 mL	M2-IS3-100		\$78.00
	2% HNO <sub>3</sub> +Tr HF	250 mL	M2-IS3-250		\$110.00
	2% HNO <sub>3</sub> +Tr HF	500 mL	M2-IS3-500		\$163.00

## ICP-MS Internal Standard Solution #4 (5 Elements)

Element	Conc.	Element	Conc.
Bismuth (Bi)	10 mg/L	Terbium (Tb)	10 mg/L
Indium (In)	10 mg/L	Yttrium (Y)	10 mg/L
Scandium (Sc)	10 mg/L		

✓	Matrix	Volume	P/N	Qty	Price
	0.5% HNO <sub>3</sub>	100 mL	M2-IS4-100		\$115.00
	0.5% HNO <sub>3</sub>	250 mL	M2-IS4-250		\$165.00
	0.5% HNO <sub>3</sub>	500 mL	M2-IS4-500		\$240.00

## EPA Method 200.8 Calibration Standard (20 Elements)

Element	Conc.	Element	Conc.
Selenium (Se)	50 mg/L	Lead (Pb)	10 mg/L
Aluminum (Al)	10 mg/L	Manganese (Mn)	10 mg/L
Antimony (Sb)	10 mg/L	Molybdenum (Mo)	10 mg/L
Arsenic (As)	10 mg/L	Nickel (Ni)	10 mg/L
Barium (Ba)	10 mg/L	Silver (Ag)	10 mg/L
Beryllium (Be)	10 mg/L	Thallium (Tl)	10 mg/L
Cadmium (Cd)	10 mg/L	Thorium (Th)	10 mg/L
Chromium (Cr)	10 mg/L	Uranium (U)	10 mg/L
Cobalt (Co)	10 mg/L	Vanadium (v)	10 mg/L
Copper (Cu)	10 mg/L	Zinc (Zn)	10 mg/L

✓	Matrix	Volume	P/N	Qty	Price
	2% HNO <sub>3</sub> + Tr HF	100 mL	M1-ICAL2008-100		\$130.00
	2% HNO <sub>3</sub> + Tr HF	250 mL	M1-ICAL2008-250		\$175.00
	2% HNO <sub>3</sub> + Tr HF	500 mL	M1-ICAL2008-500		\$260.00

# Elemental Scientific

## Interference Check Standard A & AB (23 Elements)

### Standard A

Element	Conc.	Element	Conc.
Chlorine (Cl)	3600 mg/L	Phosphorous (P)	500 mg/L
Carbon (C)	1000 mg/L	Potassium (K)	500 mg/L
Aluminum (Al)	500 mg/L	Sodium (Na)	500 mg/L
Calcium (Ca)	500 mg/L	Sulfur (S)	500 mg/L
Iron (Fe)	500 mg/L	Titanium (Ti)	10 mg/L
Magnesium (Mg)	500 mg/L	Molybdenum (Mo)	10 mg/L

✓	Matrix	Volume	P/N	Qty	Price
	2% HNO <sub>3</sub> + Tr HF	100 mL	M1-ICSAB-100		\$175.00
	2% HNO <sub>3</sub> + Tr HF	250 mL	M1-ICSAB-250		\$247.00
	2% HNO <sub>3</sub> + Tr HF	500 mL	M1-ICSAB-500		\$370.00

### Standard AB

Element	Conc.	Element	Conc.
Chlorine (Cl)	3600 mg/L	Cobalt (Co)	0.2 mg/L
Carbon (C)	1000 mg/L	Nickel (Ni)	0.2 mg/L
Aluminum (Al)	500 mg/L	Vanadium (V)	0.2 µg/mL
Calcium (Ca)	500 mg/L	Arsenic (As)	0.1 mg/L
Iron (Fe)	500 mg/L	Chromium (Cr)	0.1 mg/L
Magnesium (Mg)	500 mg/L	Copper (Cu)	0.1 mg/L
Phosphorous (P)	500 mg/L	Manganese (Mn)	0.1 mg/L
Potassium (K)	500 mg/L	Selenium (Se)	0.1 mg/L
Sodium (Na)	500 mg/L	Silver (Ag)	0.1 mg/L
Sulfur (S)	500 mg/L	Zinc (Zn)	0.1 mg/L
Titanium (Ti)	10 mg/L	Cadmium (Cd)	0.05 mg/L
Molybdenum (Mo)	10 mg/L		

## ICPMS Interference Check Standard 6020, Solution A (12 Elements)

Element	Conc.	Element	Conc.
Chlorine (Cl)	10000 mg/L	Magnesium (Mg)	1000 mg/L
Carbon (C)	2000 mg/L	Sodium (Na)	1000 mg/L
Aluminum (Al)	1000 mg/L	Phosphorus (P)	1000 mg/L
Calcium (Ca)	1000 mg/L	Sulfur (S)	1000 mg/L
Iron (Fe)	1000 mg/L	Titanium (Ti)	20 mg/L
Potassium (K)	1000 mg/L	Molybdenum (Mo)	20 mg/L

✓	Matrix	Volume	P/N	Qty	Price
	5% HNO <sub>3</sub> + Tr HF	100 mL	M2-ICS6020A-100		\$275.00
	5% HNO <sub>3</sub> + Tr HF	250 mL	M2-ICS6020A-250		\$400.00
	5% HNO <sub>3</sub> + Tr HF	500 mL	M2-ICS6020A-500		\$510.00

# Elemental Scientific

## ICPMS Interference Check Standard 6020, Solution A (11 Elements)

Element	Conc.	Element	Conc.
Silver (Ag)	10 mg/L	Copper (Cu)	10 mg/L
Arsenic (As)	10 mg/L	Manganese (Mn)	10 mg/L
Cadmium (Cd)	10 mg/L	Nickel (Ni)	10 mg/L
Cobalt (Co)	10 mg/L	Zinc (Zn)	10 mg/L
Chromium (Cr)	10 mg/L		

✓	Matrix	Volume	P/N	Qty	Price
	2% HNO <sub>3</sub> + Tr HF	100 mL	M2-ICS6020B-100		\$110.00
	2% HNO <sub>3</sub> + Tr HF	250 mL	M2-ICS6020B-250		\$165.00
	2% HNO <sub>3</sub> + Tr HF	500 mL	M2-ICS6020B-500		\$210.00



**A flat rate Hazardous Material Shipping Charge of \$30 will be added to your order total.**

All standards have a 12-month shelf life. Standards are shipped with Certificate of Analysis and MSDS sheets.