



TOP INORGANIC STANDARDS

ICP

Description	Ref. number
	volume (ml)
Standard Solution 100 mg/l Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn, in HNO ₃ 5%	MB56A.K1.5N,
	50, 100, 500
Standard Solution 1mg/l each of Al; Ag; As; B; Ba; Be; Bi; Ca; Cd; Co; Cr; Cu; Fe; K; Li; Mg; Mn; Mo; Na; Ni; Pb; Sb; Se; Sr; Ti; Tl; V; Zn in HNO ₃ 2%	MB56A.1.2N
	100, 500
Standard Solution 100 mg/l Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Cs, Co, Cr, Cu, Fe, In, K, Li, Mg, Mn, Mo, Na, Ni, Nb, Pb, Rb, Sb, Se, Sr, Ti, Tl, V, U, Zn in HNO ₃ 5%	M8A96.K1.5N
	50, 100, 500
Standard Solution 1 mg/l each of Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Cs, Co, Cr, Cu, Fe, In, K, Li, Mg, Mn, Mo, Na, Ni, Nb, Pb, Rb, Sb, Se, Sr, Ti, Tl, V, U, Zn, in HNO ₃ 5%	M8A96.1.5N
	100, 500
ICP Calibration Standard (IV) 23 components; 1000mg/l each of Ag; Al; B; Ba; Bi; Ca; Cd; Co; Cr; Cu; Fe; Ga; In; K; Li; Mg; Mn; Na; Ni; Pb; Sr; Tl; Zn in HNO ₃ 2%	8263.1K.2N
	100
ICP Calibration Standard 4 components; 1000mg/l each of Ca; Mg; K; Na in HNO ₃ 2%	91C8.1K.2N
	100, 500
21 components; 100mg/l each of Al; As; B; Ca; Cd; Cr; Co; Cu; Fe; K; Mg; Mn; Mo; Na; Ni; Pb; P; Ti; Zn; Si; S in HNO ₃ 5%	BE89.K1.5N
	100, 500
Standard Solution 100 mg/l each of As, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn, all in 5% HNO ₃	M52B5.K1.5N
	50, 100, 500
Calibration solution - 26 components; 100ppm each of Al; As; Ba; Be; Bi; B; Cd; Ca; Cr; Co; Cu; Fe; Pb; Li; Mg; Mn; Mo; Ni; K; Se; Na; Sr; Tl; Ti; V; Zn in HNO ₃ 5%	MU01100100
	100
36 components; 10mg/l each of Ag; Al; As; Ba; B; Ca; Cd; Ce; Co; Cr; Cu; Dy; Er; Eu; Fe; Gd; Ho; K; La; Li; Lu; Mg; Mn; Na; Nd; Ni; P; Pb; Rb; Se; Sm; Sr; Tl; Tm; V; Zn in HNO ₃ 2%	3256.10.2N
	100, 500
Standard Solution 1 mg/l each of: As, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn in 5% HNO ₃	M52B5.1.5N
	100, 500
32 components; 100mg/l each of Ag; Al; Ba; Bi; Ca; Cd; Co; Cr; Cu; Fe; Ga; Ge; In; K; Li; Mg; Mn; Mo; Na; Nb; Ni; P; Pb; Re; Sb; Si; Sn; Ta; Ti; V; W; Zn in HNO ₃ 5%	0C6A.K1.5N
	100, 500



ICP

Description	Ref. number
	volume (ml)
17 components; Ag 2mg/l; Al 20mg/l; As 2mg/l; Ba 5mg/l; Cd 0.2mg/l; Cr 3mg/l; Cu 4mg/l; Fe 20mg/l; Mn 10mg/l; Mo 1mg/l; Ni 2mg/l; Pb 5mg/l; Se 0.5mg/l; Sb 2mg/l; Sn 5mg/l; Tl 2mg/l; Zn 10mg/l in HNO3 2%	006B.2.2N
	100, 500
ICP-OES Wavelength Calibration Solution Concentrate 15 components; Al 50ug/ml; As 50ug/ml; Ba 50ug/ml; Cd 50ug/ml; Co 50ug/ml; Cr 50ug/ml; Cu 50ug/ml; Mn 50ug/ml; Mo 50ug/ml; Ni 50ug/ml; Pb 50ug/ml; Se 50ug/ml; Sr 50ug/ml; Zn 50ug/ml; K 500ug/ml in HNO3 5%	6610030000
	100, 500
13 components; Ca 100mg/l; Mg 25mg/l; Cu 0.2mg/l; Zn 0.2mg/l; Mn 0.2mg/l; Fe 0.1mg/l; Na 50mg/l; K 25mg/l; Al 0.02mg/l; Ba 0.2mg/l; V 0.2mg/l; Mo 0.2mg/l; Be 0.2mg/l in HNO3 5%	9E24.D02.5N
	100, 500
Solution ICP 21 components; 1000mg/l each of Ag; As; Al; B; Ba; Bi; Cd; Co; Cr; Cu; Fe; Ga; In; Li; Mn; Ni; Pb; Sr; Tl; Zn; Si in HNO3 4%	B09A.1K.4N
	100, 500
2 components; 100mg/l each of P; S in H2O	F4AD.K1.W
	100, 500
12 components; Ca 3000mg/l; Mg 450mg/l; K 1200mg/l; Na 150mg/l; S042- 3000mg/l; P 234.8mg/l; Fe 30mg/l; Mn 30mg/l; Cu 15mg/l; Zn 15mg/l; B 30mg/l; Mo 6mg/l in Nitric Acid 2%	9C24.30.2N
	100, 500
2 components; 200ug/l each of Cd; Pb in HNO3 2%	1B92.D2.2N
	100, 500
12 components; Ca 3000mg/l; Mg 450mg/l; K 1200mg/l; Na 3000mg/l; S042- 3000mg/l; P 234.8mg/l; Fe 30mg/l; Mn 30mg/l; Cu 15mg/l; Zn 15mg/l; B 30mg/l; Mo 6mg/l in Nitric Acid 2%	F8AA.30.2N
	100, 500

ICP-MS

Description	Ref. number
	volume (ml)
Standard 4 components; 1000mg/l each of Ca; Mg; K; Na in HNO ₃ 2%	MS91C8.1K.2N
	100
Tuning Solution for ICP-MS 6 components: 1ug/l each of Li; Mg; Y; Ce; Tl; Co in HNO ₃ 2%	5185-5959
	500
QC-MS 18 elements : Silver 10mg/l; Aluminium 10mg/l; Arsenic 10mg/l; Barium 10mg/l; Beryllium 10mg/l; Cadmium 10mg/l; Chromium 10mg/l; Cobalt 10mg/l; Copper 10mg/l; Manganese 10mg/l; Nickel 10mg/l; Lead 10mg/l; Selenium 10mg/l; Thorium 10mg/l; Thallium 10mg/l; Uranium 10mg/l; Vanadium 10mg/l; Zinc 10mg/l; Nitric Acid 2%;	MSBEDC.10.2N
	100
Calibration Standard 31 components: Silver 10mg/l; Aluminium 10mg/l; Arsenic 10mg/l; Barium 10mg/l; Boron 10mg/l; Cadmium 10mg/l; Cerium 10mg/l; Cobalt 10mg/l; Chromium 10mg/l; Copper 10mg/l; Dysprosium 10mg/l; Erbium 10mg/l; Gadolinium 10mg/l; Holmium 10mg/l; Lanthanum 10mg/l; Lithium 10mg/l; Lutetium 10mg/l; Manganese 10mg/l; Neodymium 10mg/l; Nickel 10mg/l; Phosphorus 10mg/l; Lead 10mg/l; Rubidium 10mg/l; Selenium 10mg/l; Samarium 10mg/l; Strontium 10mg/l; Thallium 10mg/l; Thulium 10mg/l; Uranium 10mg/l; Vanadium 10mg/l; Zinc 10mg/l; Nitric Acid 2%;	MSE194.10.2N
	100, 250
QC 31 components: Silver 0.01mg/l; Aluminium 0.01mg/l; Arsenic 0.01mg/l; Boron 0.01mg/l; Barium 0.01mg/l; Cadmium 0.01mg/l; Cerium 0.01mg/l; Cobalt 0.01mg/l; Chromium 0.01mg/l; Copper 0.01mg/l; Dysprosium 0.01mg/l; Erbium 0.01mg/l; Gadolinium 0.01mg/l; Holmium 0.01mg/l; Lanthanum 0.01mg/l; Lithium 0.01mg/l; Lutetium 0.01mg/l; Manganese 0.01mg/l; Neodymium 0.01mg/l; Nickel 0.01mg/l; Phosphorus 0.01mg/l; Lead 0.01mg/l; Rubidium 0.01mg/l; Selenium 0.01mg/l; Samarium 0.01mg/l; Strontium 0.01mg/l; Thallium 0.01mg/l; Thulium 0.01mg/l; Uranium 0.01mg/l; Vanadium 0.01mg/l; Zinc 0.01mg/l; Nitric Acid 1%;	MSE194.D01.1N
	100, 500
4 components; 10mg/l each of Mo; Sb; Sn; Ti in HNO ₃ 2%; HF 0.1%	D298.10.2N01F
	100, 500
6020 Interference Check Solution A for ICP-MS systems 12 components; Chlorides (Cl-) 20000ug/ml; Calcium (Ca) 3000ug/ml; Iron (Fe) 2500ug/ml; Sodium (Na) 2500ug/ml; Carbon (C) 2000ug/ml; Aluminium (Al) 1000ug/ml; Magnesium (Mg) 1000ug/ml; Phosphorus (P) 1000ug/ml; Potassium (K) 1000ug/ml; Sulphur (S) 1000ug/ml; Molybdenum (Mo) 20ug/ml; Titanium (Ti) 20ug/ml in Nitric Acid 5%; Hydrofluoric acid tr%	5188-6526
	100, 500



ICP-MS

Description	Ref. number
	volume (ml)
12 components; As 2.5mg/l; Cd 0.5mg/l; Cr 5mg/l; Hg 0.2mg/l; Ni 5mg/l; Pb 5mg/l; Zn 5mg/l; Ba 2.5mg/l; Cu 5mg/l; Mo 3mg/l; Sb 0.5mg/l; Se 0.7mg/l in HNO3 2%	E9A6.2D5.2N
	100, 500
12 components; 10mg/l each of Ba; Be; Ce; Co; Li; In; Mg; Pb; Rh; Tl; U; Y in HNO3 2% for ICP-MS	MS2047.10.2N
	100, 250, 500
21 components; 100ug/ml each of Al; Ag; As; Ba; Be; Cd; Co; Cr; Cu; Fe; K; Mn; Mo; Ni; Pb; Sb; Se; Tl; V; Zn; Sn in HNO3 5%	E5B8.K1.5N
	100, 250, 500
Tuning Solution for ICP-MS 6 components; 1ug/l each of Li; Mg; Y; Ce; Tl; Co in HNO3 2%	MS2768.D001.2N
	100, 500
27 components; B 40mg/l; Be 40mg/l; Cd 40mg/l; Se 40mg/l; Tl 40mg/l; Li 40mg/l; Ti 40mg/l; In 40mg/l; Ag 50mg/l; Ba 50mg/l; Co 50mg/l; Cr 50mg/l; Cu 50mg/l; Fe 50mg/l; Mn 50mg/l; Ni 50mg/l; Sr 50mg/l; V 50mg/l; Zn 50mg/l; Al 80mg/l; As 80mg/l; K 80mg/l; Pb 80mg/l; Na 80mg/l; Mg 80mg/l; Ca 80mg/l; P 200mg/l in HNO3 2%	0F49.50.2N
	100, 500
8 components; As 2mg/l; Cd 2mg/l; Cr 3mg/l; Cu 10mg/l; Fe 4mg/l; Ni 2mg/l; Pb 5mg/l; Zn 10mg/l in HNO3 2%	2407.2.2N
	100, 250, 500
10 components; W 40mg/l; Rh 40mg/l; Pt 40mg/l; Pd 40mg/l; Te 40mg/l; Zr 40mg/l; Si 40mg/l; Mo 50mg/l; Sb 80mg/l; Sn 80mg/l in HCl 2%; HF tr	C304.50.2CtrF
	100, 500
Tuning Solution for ICP/MS 9 components; 10mg/l each of Ba; Be; Ce; Co; In; Mg; Pb; Th; Tl in HNO3 2%	190024400
	100, 500
Calibration standard 8 components: 10 mg/l each of Ge, Hf, Mo, Sb, Sn, Te, W, Zr, in HNO3 2%; HF 0.1%;	MSBD60.10.2N01F
	100, 500
28 elements; Al 0.050mg/l; As 0.050mg/l; B 0.2mg/l; Ba 0.050mg/l; Bi 0.050mg/l; Ca 0.5mg/l; Cd 0.005mg/l; Co 0.050mg/l; Cr 0.1mg/l; Be 0.010mg/l; Cu 0.050mg/l; Fe 0.1mg/l; K 0.2mg/l; Na 0.5mg/l; Li 0.020mg/l; Mg 0.250mg/l; Mn 0.050mg/l; Mo 0.050mg/l; Ni 0.1mg/l; P 0.3mg/l; Pb 0.050mg/l; Se 0.05mg/l; Si 1mg/l; S 1mg/l; Ti 0.050mg/l; U 0.050mg/l; V 0.050mg/l; Zn 0.1mg/l; HNO3 5%;	0956.D05.5N
	100, 500
ICP-MS Stock Tuning Solution- 5 components; 10mg/l each of Li; Y; Ce; Co; Tl in HNO3 2%	5188-6564
	100

ICP-MS

Description	Ref. number
	volume (ml)
3 components; Cr 4mg/l; Sr 4mg/l; Fe 20mg/l in HNO3 2%	61D0.4.2N
	100, 500
Multi-element calibration standard-2A for ICP-MS - 28 components; 10mg/l each of Ag; Al; As; Ba; Be; Ca; Cd; Co; Cr; Cs; Cu; Fe; Ga; Hg; K; Li; Mg; Mn; Na; Ni; Pb; Rb; Se; Sr; Tl; U; V; Zn in HNO3 5%	8500-6940
	100
22 components; Ag 5mg/l; Al 30mg/l; As 10mg/l; B 30mg/l; Ba 10mg/l; Be 3mg/l; Cd 3mg/l; Co 5mg/l; Cr 10mg/l; Cu 10mg/l; Mn 5mg/l; Mo 3mg/l; Ni 10mg/l; Pb 5mg/l; Se 5mg/l; Sn 10mg/l; Tl 2mg/l; Te 10mg/l; V 10mg/l; Zn 100mg/l; Sr 100mg/l; Ti 3mg/l in HNO3 2%	MS069C.5.2N
	100, 500
ICP/MS Calibration standard 4 components: Calcium 1000mg/l; Magnesium 1000mg/l; Potassium 1000mg/l; Sodium 1000mg/l; Iron 1000mg/l; Nitric Acid 2%	MS13BF.1K.2N
	100, 250
16 components; 10ug/ml each of Cu; Sr; Mn; Li; Co; As; Zn; Se; Cs; Rb; Pb; Sc; Ni; V; Cr; Be in HNO3 5%	MSE5D8.10.5N
	100, 500
ICP-MS Calibration Standard (XXI) - 29 components; 10mg/l each of Ag; Al; As; Ba; Be; Bi; Ca; Cd; Co; Cr; Cs; Cu; Fe; Ga; In; K; Li; Mg; Mn; Na; Ni; Pb; Rb; Se; Sr; Tl; U; V; Zn in HNO3 5%	109498, N9300233
	100, 500
Multi-Element Solution 4 - 10 components; 10mg/l each of Au; Hf; Ir; Pd; Pt; Rh; Ru; Sb; Sn; Te in HCl 10%; HNO3 1%	N9300234
	100
Tuning Solution for ICP/MS 9 components; 10mg/l each of Ba; Be; Ce; Co; In; Mg; Pb; Th; Tl in HNO3 2%	190024400
	100



Ion Chromatography

Description	Ref. number
	volume (ml)
Standard 7 ions: 1000mg/l each of Fluorides (F-); Chlorides (Cl-); Nitrites (NO ₂ -); Bromides (Br-); Nitrates (NO ₃ -); Sulphates (SO ₄ 2-); Phosphates (PO ₄ 3-) in Water	1521.1K.W
	100, 250
Mixed Anions Standard - 7 components; 100mg/l each of Chlorides (Cl-); Fluorides (F-); Sulphates (SO ₄ 2-); Nitrates (NO ₃ -); Nitrites (NO ₂ -); Bromides (Br-); Phosphates (PO ₄ 3-) in Water	1521.K1.W
	100, 500
	REAIC1035.L1
7 components; 10mg/l each of Fluorides (F-); Chlorides (Cl-); Nitrites (NO ₂ -); Bromides (Br-); Nitrates (NO ₃ -); Sulphates (SO ₄ 2-); Phosphates (PO ₄ 3-) in Water	1521.10.W
	100, 500
Fluorides 5mg/l; Chlorides 10mg/l; Nitrites 15mg/l; Bromides 25mg/l; Nitrates 25mg/l; Phosphates 40mg/l; Sulphates 30mg/l; Water	ACE63.25.W
	100, 500
Standard Solution 3 components; 1000mg/l each of Chlorides (Cl-); Nitrates (NO ₃ -); Sulphates (SO ₄ 2-) in Water	3905.1K.W
	100
3 components; Phosphates (PO ₄ 3-) 50mg/l; Chlorides (Cl-) 0.5mg/l; Sulphates (SO ₄ 2-) 0.5mg/l in Water	3784.D5.W
	100, 500
3 components; Phosphates (PO ₄ 3-) 20mg/l; Chlorides (Cl-) 0.2mg/l; Sulphates (SO ₄ 2-) 0.2mg/l in Water	3784.D2.W
	100, 500
6 components; 1000mg/l each of Nitrates (NO ₃ -); Chlorides (Cl-); Sulphates (SO ₄ 2-); Bromides (Br-); Phosphates (PO ₄ 3-); Fluorides (F-) in Water	E3A7.1K.W
	100
Standard Solution 6 components; 100mg/l each of Fluorides (F-); Chlorides (Cl-); Bromides (Br-); Nitrates (NO ₃ -); Phosphates (PO ₄ 3-); Sulphates (SO ₄ 2-) in Water	E3A7.K1.W
	100
2 components; Phosphates (PO ₄ 3-) 50mg/l; Chlorides (Cl-) 0.5mg/l in Water	3029.D5.W
	100, 500
2 components; Phosphates (PO ₄ 3-) 20mg/l; Chlorides (Cl-) 0.2mg/l in Water	3029.D2.W
	100, 500
Standard Solution 6 components: Lithium 10mg/l; Sodium 20mg/l; Ammonium 40mg/l; Calcium 40mg/l; Magnesium 20mg/l; Potassium 20mg/l; Nitric Acid 0.1%	A3DCF.40.01N
	100, 500

Ion Chromatography

Description	Ref. number
	volume (ml)
2 components; Phosphates (PO ₄ ³⁻) 50mg/l; Chlorides (Cl ⁻) 5mg/l in Water	23A9.5.W
	100, 500
Multi-Ion Standard 4 components; 1000mg/l each of Sodium (Na ⁺); Potassium (K ⁺); Magnesium (Mg ²⁺); Calcium (Ca ²⁺) in Water	4C79.1K.W
	100
Standard Solution 5 components; 100mg/l each of Ammonium (NH ₄ ⁺); Magnesium (Mg ²⁺); Calcium (Ca ²⁺); Sodium (Na ⁺); Potassium (K ⁺) in Water	1A15.K1.W
	100
3 components; 1000mg/l each of Fluorides (F ⁻); Bromides (Br ⁻); Phosphates (PO ₄ ³⁻) in Water	60DB.1K.W
	100, 250, 500
6 components; Fluorides (F ⁻) 100mg/l; Chlorides (Cl ⁻) 300mg/l; Nitrites (NO ₂ ⁻) 50mg/l; Nitrates (NO ₃ ⁻) 100mg/l; Phosphates (PO ₄ ³⁻) 100mg/l; Sulphates (SO ₄ ²⁻) 300mg/l in Water	0F6C.K3.W
	100, 250
Standard Solution 6 components: Lithium 0.5mg/l; Sodium 2mg/l; Ammonium 2.5mg/l; Potassium 5mg/l; Magnesium 2.5mg/l; Calcium 5mg/l; Nitric Acid 0.1%	A7A40.5.01N
	100, 500
7 components; Chlorides (Cl ⁻) 100mg/l; Fluorides (F ⁻) 25mg/l; Sulphates (SO ₄ ²⁻) 100mg/l; Nitrates (NO ₃ ⁻) 100mg/l; Nitrites (NO ₂ ⁻) 100mg/l; Bromides (Br ⁻) 100mg/l; Phosphates (PO ₄ ³⁻) 100mg/l in Water	7344.K1.W
	100, 250, 500
5 components; Chlorides (Cl ⁻) 40mg/l; Nitrites (NO ₂ ⁻) 10mg/l; Nitrates (NO ₃ ⁻) 40mg/l; Phosphates (PO ₄ ³⁻) 20mg/l; Sulphates (SO ₄ ²⁻) 100mg/l in Water	D371.40.W
	100, 500



Water Check

Description	Ref. number
	volume (ml)
Calcium 1mg/l; Magnesium 0.2mg/l; Sodium 0.5mg/l; Potassium 0.5mg/l; Phosphorus 0.5mg/l; Sulphur 2mg/l; Silicon 1mg/l; Aluminium 0.005mg/l; Silver 0.005mg/l; Arsenic 0.01mg/l; Boron 0.05mg/l; Barium 0.005mg/l; Beryllium 0.002mg/l; Bismuth 0.01mg/l; Cadmium 0.0005mg/l; Cobalt 0.002mg/l; Chromium 0.002mg/l; Copper 0.005mg/l; Iron 0.01mg/l; Lithium 0.05mg/l; Manganese 0.002mg/l; Molybdenum 0.005mg/l; Nickel 0.005mg/l; Lead 0.005mg/l; Antimony 0.01mg/l; Selenium 0.01mg/l; Strontium 0.005mg/l; Titanium 0.002mg/l; Thallium 0.01mg/l; Vanadium 0.005mg/l; Zinc 0.01mg/l; Water/ tr. HNO3	QCCPAWater1
	100, 400
Calcium 10mg/l; Magnesium 2mg/l; Sodium 5mg/l; Potassium 5mg/l; Phosphorus 5mg/l; Sulphur 20mg/l; Silicon 10mg/l; Aluminium 0.05mg/l; Silver 0.05mg/l; Arsenic 0.1mg/l; Boron 0.5mg/l; Barium 0.05mg/l; Beryllium 0.02mg/l; Bismuth 0.1mg/l; Cadmium 0.005mg/l; Cobalt 0.02mg/l; Chromium 0.02mg/l; Copper 0.05mg/l; Iron 0.1mg/l; Lithium 0.5mg/l; Manganese 0.02mg/l; Molybdenum 0.05mg/l; Nickel 0.05mg/l; Lead 0.05mg/l; Antimony 0.1mg/l; Selenium 0.1mg/l; Strontium 0.05mg/l; Titanium 0.02mg/l; Thallium 0.1mg/l; Vanadium 0.05mg/l; Zinc 0.1mg/l; Water/ tr. HNO3	QCCPAWater2
	100, 400
Calcium 100mg/l; Magnesium 20mg/l; Sodium 5mg/l; Potassium 5mg/l; Phosphorus 5mg/l; Sulphur 20mg/l; Silicon 10mg/l; Aluminium 0.05mg/l; Silver 0.05mg/l; Arsenic 0.1mg/l; Boron 0.5mg/l; Barium 0.05mg/l; Beryllium 0.02mg/l; Bismuth 0.1mg/l; Cadmium 0.005mg/l; Cobalt 0.02mg/l; Chromium 0.02mg/l; Copper 0.05mg/l; Iron 0.1mg/l; Lithium 0.5mg/l; Manganese 0.02mg/l; Molybdenum 0.05mg/l; Nickel 0.05mg/l; Lead 0.05mg/l; Antimony 0.1mg/l; Selenium 0.1mg/l; Strontium 0.05mg/l; Titanium 0.02mg/l; Thallium 0.1mg/l; Vanadium 0.05mg/l; Zinc 0.1mg/l; Nitric Acid 2%	CPAWater3
	100
Calcium 1000mg/l; Magnesium 200mg/l; Sodium 50mg/l; Potassium 50mg/l; Phosphorus 50mg/l; Sulphur 200mg/l; Silicon 100mg/l; Aluminium 0.5mg/l; Silver 0.5mg/l; Arsenic 1mg/l; Boron 5mg/l; Barium 0.5mg/l; Beryllium 0.2mg/l; Bismuth 1mg/l; Cadmium 0.05mg/l; Cobalt 0.2mg/l; Chromium 0.2mg/l; Copper 0.5mg/l; Iron 1mg/l; Lithium 5mg/l; Manganese 0.2mg/l; Molybdenum 0.5mg/l; Nickel 0.5mg/l; Lead 0.5mg/l; Antimony 1mg/l; Selenium 1mg/l; Strontium 0.5mg/l; Titanium 0.2mg/l; Thallium 1mg/l; Vanadium 0.5mg/l; Zinc 1mg/l; Nitric Acid 2%	CPAWater4
	100

Water Check

Description	Ref. number
	volume (ml)
Calcium 2000mg/l; Magnesium 400mg/l; Sodium 100mg/l; Potassium 100mg/l; Phosphorus 100mg/l; Sulphur 400mg/l; Silicon 200mg/l; Aluminium 1mg/l; Silver 1mg/l; Arsenic 2mg/l; Boron 10mg/l; Barium 1mg/l; Beryllium 0.4mg/l; Bismuth 2mg/l; Cadmium 0.1mg/l; Cobalt 0.4mg/l; Chromium 0.4mg/l; Copper 1mg/l; Iron 2mg/l; Lithium 10mg/l; Manganese 0.4mg/l; Molybdenum 1mg/l; Nickel 1mg/l; Lead 1mg/l; Antimony 2mg/l; Selenium 2mg/l; Strontium 1mg/l; Titanium 0.4mg/l; Thallium 2mg/l; Vanadium 1mg/l; Zinc 2mg/l; Nitric Acid 5%	CPAWater5
	100
CRM water 1 (Ca 1000 µg/l): Calcium 1mg/l; Magnesium 0.2mg/l; Sodium 0.5mg/l; Potassium 0.5mg/l; Phosphorus 0.5mg/l; Sulphur 2mg/l; Silicon 1mg/l; Aluminium 0.005mg/l; Silver 0.005mg/l; Arsenic 0.01mg/l; Boron 0.05mg/l; Barium 0.005mg/l; Beryllium 0.002mg/l; Bismuth 0.01mg/l; Cadmium 0.0005mg/l; Cobalt 0.002mg/l; Chromium 0.002mg/l; Copper 0.005mg/l; Iron 0.01mg/l; Lithium 0.05mg/l; Manganese 0.002mg/l; Molybdenum 0.005mg/l; Nickel 0.005mg/l; Lead 0.005mg/l; Antimony 0.01mg/l; Selenium 0.01mg/l; Strontium 0.005mg/l; Titanium 0.002mg/l; Thallium 0.01mg/l; Vanadium 0.005mg/l; Zinc 0.01mg/l; Nitric Acid 0.05%	WCEBF.D005.005N.L1
	100
CRM water 2 (Ca 10 000 µg/l): Calcium 10mg/l; Magnesium 2mg/l; Sodium 5mg/l; Potassium 5mg/l; Phosphorus 5mg/l; Sulphur 20mg/l; Silicon 10mg/l; Aluminium 0.05mg/l; Silver 0.05mg/l; Arsenic 0.1mg/l; Boron 0.5mg/l; Barium 0.05mg/l; Beryllium 0.02mg/l; Bismuth 0.1mg/l; Cadmium 0.005mg/l; Cobalt 0.02mg/l; Chromium 0.02mg/l; Copper 0.05mg/l; Iron 0.1mg/l; Lithium 0.5mg/l; Manganese 0.02mg/l; Molybdenum 0.05mg/l; Nickel 0.05mg/l; Lead 0.05mg/l; Antimony 0.1mg/l; Selenium 0.1mg/l; Strontium 0.05mg/l; Titanium 0.02mg/l; Thallium 0.1mg/l; Vanadium 0.05mg/l; Zinc 0.1mg/l; Nitric Acid 0.5%	WCEBF.D05.05N.L1
	100
CRM water 3 (Ca 100 000 µg/l): Calcium 100mg/l; Magnesium 20mg/l; Sodium 50mg/l; Potassium 50mg/l; Phosphorus 50mg/l; Sulphur 200mg/l; Silicon 100mg/l; Aluminium 0.5mg/l; Silver 0.5mg/l; Arsenic 1mg/l; Boron 5mg/l; Barium 0.5mg/l; Beryllium 0.2mg/l; Bismuth 1mg/l; Cadmium 0.05mg/l; Cobalt 0.2mg/l; Chromium 0.2mg/l; Copper 0.5mg/l; Iron 1mg/l; Lithium 5mg/l; Manganese 0.2mg/l; Molybdenum 0.5mg/l; Nickel 0.5mg/l; Lead 0.5mg/l; Antimony 1mg/l; Selenium 1mg/l; Strontium 0.5mg/l; Titanium 0.2mg/l; Thallium 1mg/l; Vanadium 0.5mg/l; Zinc 1mg/l; Nitric Acid 5%	WCEBF.D5.5N.L1
	100



Water Check

Description	Ref. number
	volume (ml)
CRM water 4 (Ca 1000 000 µg/l): Calcium 1000mg/l; Magnesium 200mg/l; Sodium 500mg/l; Potassium 500mg/l; Phosphorus 500mg/l; Sulphur 2000mg/l; Silicon 1000mg/l; Aluminium 5mg/l; Silver 5mg/l; Arsenic 10mg/l; Boron 50mg/l; Barium 5mg/l; Beryllium 2mg/l; Bismuth 10mg/l; Cadmium 0.5mg/l; Cobalt 2mg/l; Chromium 2mg/l; Copper 5mg/l; Iron 10mg/l; Lithium 50mg/l; Manganese 2mg/l; Molybdenum 5mg/l; Nickel 5mg/l; Lead 5mg/l; Antimony 10mg/l; Selenium 10mg/l; Strontium 5mg/l; Titanium 2mg/l; Thallium 10mg/l; Vanadium 5mg/l; Zinc 10mg/l; Nitric Acid 5%	WCEBF.5.5N.L1
	100
CRM water 5 (Ca 2 000 000 mg/l): Calcium 2000mg/l; Magnesium 400mg/l; Sodium 1000mg/l; Potassium 1000mg/l; Phosphorus 1000mg/l; Sulphur 4000mg/l; Silicon 2000mg/l; Aluminium 10mg/l; Silver 10mg/l; Arsenic 20mg/l; Boron 100mg/l; Barium 10mg/l; Beryllium 4mg/l; Bismuth 20mg/l; Cadmium 1mg/l; Cobalt 4mg/l; Chromium 4mg/l; Copper 10mg/l; Iron 20mg/l; Lithium 100mg/l; Manganese 4mg/l; Molybdenum 10mg/l; Nickel 10mg/l; Lead 10mg/l; Antimony 20mg/l; Selenium 20mg/l; Strontium 10mg/l; Titanium 4mg/l; Thallium 20mg/l; Vanadium 10mg/l; Zinc 20mg/l; Nitric Acid 5%	WCEBF.10.5N.L1
	100
Synthetic Sea Water acc. to ASTM D665 : 10 components; NaCl 24.54g/l; MgCl ₂ ·6H ₂ O 11.10g/l; Na ₂ SO ₄ 4.09g/l; CaCl ₂ 1.16g/l; KCl 0.69g/l; NaHCO ₃ 0.20g/l; KBr 0.1g/l; H ₃ BO ₃ 0.03g/l; SrCl ₂ 0.04g/l; NaF 0.003g/l in H ₂ O	SSW
	100, 500
Standard Quality Control for Chlorine - Chlorides (Cl ⁻) 10000mg/l in Water	JYICP-QC2
	100, 500
29 components; Al 120ug/l; Sb 10ug/l; As 80ug/l; Ba 50ug/l; Be 20ug/l; Bi 10ug/l; Cd 10ug/l; Ca 35000ug/l; Cr 20ug/l; Co 25ug/l; Cu 20ug/l; Fe 100ug/l; Pb 40ug/l; Li 20ug/l; Mg 9000ug/l; Mn 40ug/l; Mo 100ug/l; Ni 60ug/l; K 2500ug/l; Rb 10ug/l; Se 10ug/l; Ag 2ug/l; Na 6000ug/l; Sr 250ug/l; Te 3ug/l; Tl 10ug/l; U 10ug/l; V 30ug/l; Zn 70ug/l in HNO ₃ 2%; HF 0.1%	A19C.D002.2N01F
	100, 250
25 components; Ag 6ug/l; Al 10ug/l; Ba 4ug/l; Be 35ug/l; Bi 3ug/l; Ce 3ug/l; Co 8ug/l; Cs 3ug/l; Cu 15ug/l; Ga 10ug/l; Ho 3ug/l; In 3ug/l; Li 8ug/l; Mg 10ug/l; Mn 6ug/l; Ni 15ug/l; Rh 3ug/l; Sc 8ug/l; Sr 5ug/l; Ta 3ug/l; Tb 3ug/l; Tl 4ug/l; U 3ug/l; Y 3ug/l; Zn 20ug/l in HNO ₃ 2% for ICP/MS - (Rh as mono)	30D3.D006.2N
	100, 250, 500

REQUEST FORM FOR CUSTOM-MADE MULTI-ELEMENT STANDARD SOLUTIONS

1. Specify the concentration of the chosen element in mg/l.

ELEMENT	CONCENTR. in mg/l	ELEMENT	CONCENTR. in mg/l	ELEMENT	CONCENTR. in mg/l
Ag (HNO ₃)		Ho (HNO ₃ or HCl)		S (H ₂ O; HNO ₃ or HCl)	
Al (HNO ₃ or HCl)		In (HNO ₃ or HCl)		Sb (HNO ₃ /tr.HF or HCl)	
As (HNO ₃ or HCl)		Ir (HNO ₃ /HCl or HCl)		Sc (HNO ₃ or HCl)	
Au (HNO ₃ /HCl or HCl)		K (H ₂ O; HNO ₃ or HCl)		Se (HNO ₃ or HCl)	
B (H ₂ O; HNO ₃ or HCl)		La (HNO ₃ or HCl)		Si (H ₂ O; HNO ₃ /tr.HF or HCl)	
Ba (H ₂ O; HNO ₃ or HCl)		Li (H ₂ O; HNO ₃ or HCl)		Sm (HNO ₃ or HCl)	
Be (HNO ₃ /tr.HF or HCl)		Lu (HNO ₃ or HCl)		Sn (HNO ₃ /tr.HF or HCl)	
Bi (HNO ₃)		Mg (H ₂ O; HNO ₃ or HCl)		Sr (H ₂ O; HNO ₃ or HCl)	
Ca (H ₂ O; HNO ₃ or HCl)		Mn (HNO ₃ or HCl)		Ta (HNO ₃ /tr.HF or HCl/tr.HF)	
Cd (HNO ₃ or HCl)		Mo (H ₂ O; HNO ₃ /tr.HF or HCl)		Tb (HNO ₃ or HCl)	
Ce (HNO ₃ or HCl)		Na (H ₂ O; HNO ₃ or HCl)		Te (HNO ₃ or HCl)	
Co (HNO ₃ or HCl)		Nb (HNO ₃ /tr.HF or HCl/tr.HF)		Th (HNO ₃ or HCl)	
Cr (H ₂ O; HNO ₃ or HCl)		Nd (HNO ₃ or HCl)		Ti (HNO ₃ /tr.HF or HCl)	
Cs (H ₂ O; HNO ₃ or HCl)		Ni (HNO ₃ or HCl)		Tl (HNO ₃ or HCl)	
Cu (HNO ₃ or HCl)		Os (HCl)		Tm (HNO ₃ or HCl)	
Dy (HNO ₃ or HCl)		P (H ₂ O; HNO ₃ or HCl)		U (HNO ₃ or HCl)	
Er (HNO ₃ or HCl)		Pb (HNO ₃)		V (HNO ₃ or HCl)	
Eu (HNO ₃ or HCl)		Pd (HNO ₃ or HCl)		W (H ₂ O; HNO ₃ /tr.HF or HCl)	
Fe (HNO ₃ or HCl)		Pr (HNO ₃ or HCl)		Y (HNO ₃ or HCl)	
Ga (HNO ₃ or HCl)		Pt (HNO ₃ /HCl or HCl)		Yb (HNO ₃ or HCl)	
Gd (HNO ₃ or HCl)		Rb (H ₂ O; HNO ₃ or HCl)		Zn (HNO ₃ or HCl)	
Ge (HNO ₃ /tr.HF or HCl)		Re (H ₂ O; HNO ₃ or HCl)		Zr (HNO ₃ /tr.HF or HCl/tr.HF)	
Hf (HNO ₃ /tr.HF or HCl)		Rh (HNO ₃ /HCl or HCl)			
Hg (HNO ₃ or HCl)		Ru (HNO ₃ /HCl or HCl)			

2. Specify the concentration of the chosen matrix, needed volume and quantities.

MATRIX	CONCENTRATION in mg/l	VOLUME in ml	NUMBER OF BOTTLES
HNO ₃			
HCl			
H ₂ O			
OTHER			

3. Complete

Name*

Company*

City* State/Prov

Zip/Postal Code* Country*

Telephone* Fax

E-mail*

* Required

Please, photocopy for future use and fax it to your local distributor
or CPASchem at: +359 42 607 716

1. Specify the concentration of the chosen element in mg/l.

ELEMENT	CONCENTR. in mg/l	ELEMENT	CONCENTR. in mg/l	ELEMENT	CONCENTR. in mg/l
Acetate		Hydrogen Phthalate		Phosphate as P	
Ammonium		Iodate (IO ₃ ⁻)		Potassium	
Ammonium as N		Iodide (I ⁻)		Propionate	
Barium		Lactate		Silicate	
Benzoate		Lithium		Sodium	
Bromate (BrO ₃ ⁻)		Magnesium		Strontium	
Bromide (Br ⁻)		Maleate		Succinate	
Calcium		Methane sulphonate		Sulphate (SO ₄ ²⁻)	
Cesium		3-Methoxypropylamine		Sulphite	
Chromium (III)		Monoethalonamine		Tartrate	
Chromium (VI)		Monomethylamine		Thiocyanate	
Chlorate (ClO ₃ ⁻)		Nitrioltriacetate		Thiosulphate	
Chloride (Cl ⁻)		Nitrate (NO ₃ ⁻)		Triethanolamine	
Citrate		Nitrate as N		Triethylamine	
Cyanide		Nitrite (NO ₂ ⁻)		Trimethylamine	
Diethanolamine		Nitrite as N		Other	
Fluoride		Oxalate		Other	
Formate		Perchlorate		Other	
Glycolate		Phosphate			

2. Specify the concentration of the chosen matrix, needed volume and quantities.

MATRIX	CONCENTRATION in mg/l	VOLUME in ml	NUMBER OF BOTTLES
HNO ₃			
CH ₃ CN			
HCl			
OTHER			

3. Complete

Name*

Company*

City* State/Prov

Zip/Postal Code* Country*

Telephone* Fax

E-mail*

* Required

Please, photocopy for future use and fax it to your local distributor
or CPAchem at: +359 42 607 716