



CPAchem

The Experts in Custom-made Standards
Organic & Inorganic

CPAchem
produces and distributes
mono and multi-element solutions
for AAS, ICP, ICP/MS and IC.

For more than 10 years, we have been
specialized in manufacturing of
custom-made solutions and currently
we are N° 1 in the sales in Europe.

Our clients are more than
2 000 laboratories.

Our annual production amounts to more
than 20 000 custom-made solutions,
both mono and multi-element.

Some examples of Custom-made Standard Solutions

Ion Chromatography : IC

Code	Elements and concentration in mg	Matrix	Vol.	Price
04.C972.60.1CN.L.5	Ammonium : 60 mg/l Phosphate : 30 mg/l	Nitrate : 40 mg/l Nitrite : 2 mg/l	1% CH ₃ CN	500 ml BCA
05.EE2F.3.W.L1	Fluoride : 1.25 mg/l Chloride : 3 mg/l Phosphate : 45 mg/l	Nitrate : 6 mg/l Sulphate : 12 mg/l	H ₂ O	100 ml KA

Inductively Coupled Plasma : ICP

Code	Elements and concentration in mg/l	Matrix	Vol.	Price
04D7.1.05N.L1	7 elements : As, Cd, Cr, Cu, Ni, Pb, Zn Concentration : 1 mg/l	0,5 % HNO ₃	100 ml	BAA
BCB.D5.1NN.1L	13 elements : Al : 0,5 mg/l, B : 0,5 mg/l, Ca : 150 mg/l, Cr : 0,5 mg/l, Cu : 0,5 mg/l, Fe : 0,5 mg/l, In : 0,5 mg/l, K : 10 mg/l, Mg : 50 mg/l, Na : 100 mg/l, Mn : 0,5 mg/l P : 3 mg/l, Zn : 0,5 mg/l	0,5 % HNO ₃	100 ml	CDA
A10C.2.5N.1C	18 elements : Ag : 2 mg/l, Al : 4 mg/l, As : 4 mg/l, Ba : 4 mg/l, Cd : 0,5 mg/l, Cr : 4 mg/l, Cu : 1 mg/l, Fe : 1mg/l, K : 50 mg/l, Mn : 2 mg/l, Mg : 6 mg/l, Mo : 4 mg/l, Na : 3 mg/l, Ni : 4 mg/l, Pb : 3 mg/l, Se : 6 mg/l, Sb : 4 mg/l, Zn : 1,5 mg/l	0,5 % HNO ₃	100 ml	CJE

Graphite Furnace Atomic Absorption Spectrometry : GFAAS

Code	Elements and concentration in mg/l	Matrix	Vol.	Price
02.EB92.D001.0.5N.L1	Cd : 0.001 mg/l, Pb : 0.02 mg/l	0,5 % HNO ₃	100 ml	JK
02.986C.D002.0.5N.L1	As : 0,02 mg/l, Se : 0,02 mg/l	0,5 % HNO ₃	100 ml	JK
07.9B62.D02.1N0.1F.L1	As : 0,02 mg/l, Cd : 0,01 mg/l, Cr : 0,05 mg/l, Ni : 0,04 mg/l, Pb : 0,02 mg/l, Sb : 0,02 mg/l, Se : 0,02 mg/l	1% HNO ₃ traces HF	100 ml	BDF
02.6461.D01.1N0.1F.L1	Sb : 0,01 mg/l, Sn : 0,02 mg/l	1% HNO ₃ traces HF	100 ml	JK

The Experts in Custom-made Standards Organic & Inorganic

Our custom-made multi-element solutions :

- Save your time for the preparation of your own standard solutions.
- Avoid the conservation and maintenance of source solutions.
- Assure the best traceability (NIST SRM).
- Avoid acid contamination.
- Reduce rinsing time.



Ours Certificates of Analysis



CERTIFICATE OF ANALYSIS

Custom Multi-element Standard Solution

Lot N°
Reference N°	E1F9.1.2N.L1
Composition	Cu 3,5 mg/l ; Fe 2,5 mg/l ; Zn 3mg/l ;
Matrix	2% HNO ₃

Element	Certified Value and RSD's (mg/l)*	Starting Material Purity	Lot Number starting Solution	Traceability
Cu	3,505 ± 0,007	Cu 99,999%	1/[1]: Cu[Cu]: :T-: 5: D07-05	NIST SRM 3114 Lot N° 0110017
Fe	2,500 ± 0,007	Fe(NO ₃) ₃ 99,99+%	1/[1]: Fe[Fe(NO ₃) ₃]: :T-: 5: D14-03	NIST SRM 3126a Lot N° 000606
Zn	2,999 ± 0,010	ZnO 99,999%	1/[1]: Zn[ZnO]: :T-: 5: C10-10	NIST SRM 3168a Lot N° 001402

*The certified value is based on both gravimetric preparation and instrumental analysis.

*The uncertainty is calculated as : $U = k u_c$, where k is the multiplier for a 95% level of confidence interval (Table B.1 of Guidelines for Evaluating and Expressing the uncertainty of NIST measurements results), and u_c is the combined standard uncertainty calculated according ISO Guide to the Expression of Uncertainty in Measurement.

We are the only producer that indicates on the Certificate of Analysis of multi-element solutions :

- total traceability : from starting material to final solution,
- measurement according to NIST SRM.



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

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

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

MATRIX	CONCENTR. in mg/l	VOLUME in ml	NUMBER OF BOTTLES
HNO ₃			
HCl			
H ₂ O			
other			

3- Complete.

Name :

Company :

Address :

Telephone :

Fax :

E-mail :

4- Please, photocopy for future use and send it by fax or e-mail.
(Address, fax number and e-mail on front cover.)

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

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

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

MATRIX	CONCENTR. in mg/l	VOLUME In ml	NUMBER OF BOTTLES
HNO ₃			
CH ₃ CN			
HCl			
Other			

3- Complete :

Name :

Company :

Address :

Telephone :

Fax :

E-mail :

4- Please, photocopy for future use and send it by fax or e-mail.
(Address, fax number and e-mail on front cover.)



ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Ag in HNO ₃	A001.2NP.L1	1000 mg/l	100	BC
Ag in HNO ₃	A001.2NP.L5	1000 mg/l	500	CC
Al in HCl	A002.2CP.L1	1000 mg/l	100	BC
Al in HCl	A002.2CP.L5	1000 mg/l	500	CC
Al in HNO ₃	A002.2NP.L1	1000 mg/l	100	BC
Al in HNO ₃	A002.2NP.L5	1000 mg/l	500	CC
As in HCl	A003.2CP.L1	1000 mg/l	100	BC
As in HCl	A003.2CP.L5	1000 mg/l	500	CC
As in HNO ₃	A003.2NP.L1	1000 mg/l	100	BC
As in HNO ₃	A003.2NP.L5	1000 mg/l	500	CC
Au in HCl	A004.2CP.L1	1000 mg/l	100	GA
Au in HCl	A004.2CP.L5	1000 mg/l	500	BHK
B in H ₂ O	A005.W.L1	1000 mg/l	100	BC
B in H ₂ O	A005.W.L5	1000 mg/l	500	CC
Ba in HCl	A006.2CP.L1	1000 mg/l	100	BC
Ba in HCl	A006.2CP.L5	1000 mg/l	500	CC
Ba in HNO ₃	A006.2NP.L1	1000 mg/l	100	BC
Ba in HNO ₃	A006.2NP.L5	1000 mg/l	500	CC
Be in HCl	A007.2CP.L1	1000 mg/l	100	CC
Be in HCl	A007.2CP.L5	1000 mg/l	500	GA
Be in HNO ₃ /HF tr	A007.2N1FP.L1	1000 mg/l	100	CC
Be in HNO ₃ /HF tr	A007.2N1FP.L5	1000 mg/l	500	GA
Bi in HNO ₃	A008.10NP.L1	1000 mg/l	100	BC
Bi in HNO ₃	A008.10NP.L5	1000 mg/l	500	CC
Ca in HCl	A009.2CP.L1	1000 mg/l	100	BC
Ca in HCl	A009.2CP.L5	1000 mg/l	500	CC
Ca in HNO ₃	A009.2NP.L1	1000 mg/l	100	BC
Ca in HNO ₃	A009.2NP.L5	1000 mg/l	500	CC
Cd in HCl	A010.2CP.L1	1000 mg/l	100	BC
Cd in HCl	A010.2CP.L5	1000 mg/l	500	CC
Cd in HNO ₃	A010.2NP.L1	1000 mg/l	100	BC
Cd in HNO ₃	A010.2NP.L5	1000 mg/l	500	CC
Ce in HNO ₃	A011.2NP.L1	1000 mg/l	100	BJ
Ce in HNO ₃	A011.2NP.L5	1000 mg/l	500	CE
Co in HCl	A012.2CP.L1	1000 mg/l	100	BC
Co in HCl	A012.2CP.L5	1000 mg/l	500	CC
Co in HNO ₃	A012.2NP.L1	1000 mg/l	100	BC

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Co in HNO ₃	A012.2NP.L5	1000 mg/l	500	CC
Cr in HCl	A013.2CP.L1	1000 mg/l	100	BC
Cr in HCl	A013.2CP.L5	1000 mg/l	500	CC
Cr in HNO ₃	A013.2NP.L1	1000 mg/l	100	BC
Cr in HNO ₃	A013.2NP.L5	1000 mg/l	500	CC
Cs in HNO ₃	A014.2NP.L1	1000 mg/l	100	BF
Cs in HNO ₃	A014.2NP.L5	1000 mg/l	500	DG
Cu in HCl	A015.2CP.L1	1000 mg/l	100	BC
Cu in HCl	A015.2CP.L5	1000 mg/l	500	CC
Cu in HNO ₃	A015.2NP.L1	1000 mg/l	100	BC
Cu in HNO ₃	A015.2NP.L5	1000 mg/l	500	CC
Dy in HNO ₃	A016.2NP.L1	1000 mg/l	100	CA
Dy in HNO ₃	A016.2NP.L5	1000 mg/l	500	EF
Er in HNO ₃	A017.2NP.L1	1000 mg/l	100	CA
Er in HNO ₃	A017.2NP.L5	1000 mg/l	500	EF
Eu in HNO ₃	A018.2NP.L1	1000 mg/l	100	CA
Eu in HNO ₃	A018.2NP.L5	1000 mg/l	500	EF
Fe in HCl	A019.2CP.L1	1000 mg/l	100	BC
Fe in HCl	A019.2CP.L5	1000 mg/l	500	CC
Fe in HNO ₃	A019.2NP.L1	1000 mg/l	100	BC
Fe in HNO ₃	A019.2NP.L5	1000 mg/l	500	CC
Ga in HNO ₃	A020.2NP.L1	1000 mg/l	100	CA
Ga in HNO ₃	A020.2NP.L5	1000 mg/l	500	EF
Gd in HNO ₃	A021.2NP.L1	1000 mg/l	100	CA
Gd in HNO ₃	A021.2NP.L5	1000 mg/l	500	EF
Ge in HNO ₃ /HF tr	A022.5N1FP.L1	1000 mg/l	100	BJ
Ge in HNO ₃ /HF tr	A022.5N1FP.L5	1000 mg/l	500	EA
Hf in HNO ₃ /HF tr	A023.2N1FP.L1	1000 mg/l	100	EF
Hf in HNO ₃ /HF tr	A023.2N1FP.L5	1000 mg/l	500	BBA
Hg in HNO ₃	A024.10NP.L1	1000 mg/l	100	BC
Hg in HNO ₃	A024.10NP.L5	1000 mg/l	500	CC
Ho in HNO ₃	A025.2NP.L1	1000 mg/l	100	CA
Ho in HNO ₃	A025.2NP.L5	1000 mg/l	500	EF
In in HNO ₃	A026.2NP.L1	1000 mg/l	100	BJ
In in HNO ₃	A026.2NP.L5	1000 mg/l	500	EA
Ir in HCl	A027.10CP.L1	1000 mg/l	100	GF
Ir in HCl	A027.10CP.L5	1000 mg/l	500	BFA

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
K in HCl	A028.2CP.L1	1000 mg/l	100	BC
K in HCl	A028.2CP.L5	1000 mg/l	500	CC
K in HNO ₃	A028.2NP.L1	1000 mg/l	100	BC
K in HNO ₃	A028.2NP.L5	1000 mg/l	500	CE
La in HCl	A029.2CP.L1	1000 mg/l	100	BF
La in HCl	A029.2CP.L5	1000 mg/l	500	DG
La in HNO ₃	A029.2NP.L1	1000 mg/l	100	BF
La in HNO ₃	A029.2NP.L5	1000 mg/l	500	DG
Li in HNO ₃	A030.2NP.L1	1000 mg/l	100	BC
Li in HNO ₃	A030.2NP.L5	1000 mg/l	500	CC
Mg in HCl	A032.2CP.L1	1000 mg/l	100	BC
Mg in HCl	A032.2CP.L5	1000 mg/l	500	CC
Mg in HNO ₃	A032.2NP.L1	1000 mg/l	100	BC
Mg in HNO ₃	A032.2NP.L5	1000 mg/l	500	CC
Mn in HCl	A033.2CP.L1	1000 mg/l	100	BC
Mn in HCl	A033.2CP.L5	1000 mg/l	500	CC
Mn in HNO ₃	A033.2NP.L1	1000 mg/l	100	BC
Mn in HNO ₃	A033.2NP.L5	1000 mg/l	500	CC
Mo in HNO ₃ /HF tr	A034.1N1FP.L1	1000 mg/l	100	BC
Mo in HNO ₃ /HF tr	A034.1N1FP.L5	1000 mg/l	500	CC
Mo in H ₂ O	A034.W.L1	1000 mg/l	100	BC
Mo in H ₂ O	A034.W.L5	1000 mg/l	500	CC
Na in HCl	A035.1CP.L1	1000 mg/l	100	BC
Na in HCl	A035.1CP.L5	1000 mg/l	500	CC
Na in HNO ₃	A035.2NP.L1	1000 mg/l	100	BC
Na in HNO ₃	A035.2NP.L5	1000 mg/l	500	CC
Na in H ₂ O	A035.W.L1	1000 mg/l	100	BC
Na in H ₂ O	A035.W.L5	1000 mg/l	500	CC
Nb in HNO ₃ /HF tr	A036.5N1FP.L1	1000 mg/l	100	BF
Nb in HNO ₃ /HF tr	A036.5N1FP.L5	1000 mg/l	500	DH
Nd in HNO ₃	A037.2NP.L1	1000 mg/l	100	CA
Nd in HNO ₃	A037.2NP.L5	1000 mg/l	500	EF
Ni in HNO ₃	A038.2NP.L1	1000 mg/l	100	BC
Ni in HNO ₃	A038.2NP.L5	1000 mg/l	500	CC
P in H ₂ O	A040.W.L1	1000 mg/l	100	BC
P in H ₂ O	A040.W.L5	1000 mg/l	500	CC
Pb in HNO ₃	A041.2NP.L1	1000 mg/l	100	BC
Pb in HNO ₃	A041.2NP.L5	1000 mg/l	500	CC
Pd in HCl	A042.5CP.L1	1000 mg/l	100	GC
Pd in HCl	A042.5CP.L5	1000 mg/l	500	BGF
Pd in HNO ₃	A042.5NP.L1	1000 mg/l	100	GC
Pd in HNO ₃	A042.5NP.L5	1000 mg/l	500	BGF
Pt in HCl	A044.10CP.L1	1000 mg/l	100	JE

A
A
S

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Pt in HCl	A044.10CP.L5	1000 mg/l	500	DBF
Rb in HNO ₃	A045.2NP.L1	1000 mg/l	100	BF
Rb in HNO ₃	A045.2NP.L5	1000 mg/l	500	DG
Re in HNO ₃	A046.5NP.L1	1000 mg/l	100	GF
Re in HNO ₃	A046.5NP.L5	1000 mg/l	500	BFA
Rh in HCl	A047.5CP.L1	1000 mg/l	100	BHK
Rh in HCl	A047.5CP.L5	1000 mg/l	500	GFA
Ru in HCl	A048.5CP.L1	1000 mg/l	100	GF
Ru in HCl	A048.5CP.L5	1000 mg/l	500	BFA
S in H ₂ O	A049.W.L1	1000 mg/l	100	BC
S in H ₂ O	A049.W.L5	1000 mg/l	500	CC
Sb in HCl	A050.20CP.L1	1000 mg/l	100	BC
Sb in HCl	A050.20CP.L5	1000 mg/l	500	CC
Sb in HNO ₃ /HF tr	A050.5N1FP.L1	1000 mg/l	100	BC
Sb in HNO ₃ /HF tr	A050.5N1FP.L5	1000 mg/l	500	CC
Sc in HNO ₃	A051.2NP.L1	1000 mg/l	100	EF
Sc in HNO ₃	A051.2NP.L5	1000 mg/l	500	BAF
Se in HNO ₃	A052.2NP.L1	1000 mg/l	100	BC
Se din HNO ₃	A052.2NP.L5	1000 mg/l	500	CC
Si in H ₂ O	A053.W.L1	1000 mg/l	100	BC
Si in H ₂ O	A053.W.L5	1000 mg/l	500	CC
Sm in HNO ₃	A054.2NP.L1	1000 mg/l	100	CA
Sm in HNO ₃	A054.2NP.L5	1000 mg/l	500	EF
Sn in HNO ₃ /HF tr	A055.1N1FP.L1	1000 mg/l	100	BC
Sn in HNO ₃ /HF tr	A055.1N1FP.L5	1000 mg/l	500	CC
Sn in HCl	A055.20CP.L1	1000 mg/l	100	BC
Sn in HCl	A055.20CP.L5	1000 mg/l	500	CC
Sr in HCl	A056.2CP.L1	1000 mg/l	100	BC
Sr in HCl	A056.2CP.L5	1000 mg/l	500	CC
Sr in HNO ₃	A056.2NP.L1	1000 mg/l	100	BC
Sr in HNO ₃	A056.2NP.L5	1000 mg/l	500	CC
Ta in HNO ₃ /HF tr	A057.5N1FP.L1	1000 mg/l	100	BF
Ta in HNO ₃ /HF tr	A057.5N1FP.L5	1000 mg/l	500	DF
Te in HNO ₃	A059.10NP.L1	1000 mg/l	100	BF
Te in HNO ₃	A059.10NP.L5	1000 mg/l	500	DF
Te in HCl	A059.20CP.L1	1000 mg/l	100	BF
Te in HCl	A059.20CP.L5	1000 mg/l	500	DF
Ti in HNO ₃ /HF tr	A061.5N05FP.L1	1000 mg/l	100	BC
Ti in HNO ₃ /HF tr	A061.5N05FP.L5	1000 mg/l	500	CC
Tl in HNO ₃	A062.2NP.L1	1000 mg/l	100	BF
Tl in HNO ₃	A062.2NP.L5	1000 mg/l	500	DF
Tm in HNO ₃	A063.2NP.L1	1000 mg/l	100	EA
Tm in HNO ₃	A063.2NP.L5	1000 mg/l	500	BAF

A
A
S

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
V in HNO ₃	A065.2NP.L1	1000 mg/l	100	BC
V in HNO ₃	A065.2NP.L5	1000 mg/l	500	CC
V in H ₂ SO ₄	A065.2SP.L1	1000 mg/l	100	BC
V in H ₂ SO ₄	A065.2SP.L5	1000 mg/l	500	CC
W in HNO ₃ /HF tr	A066.1N2FP.L1	1000 mg/l	100	BF
W in HNO ₃ /HF tr	A066.1N2FP.L5	1000 mg/l	500	DF
Y in HNO ₃	A067.2NP.L1	1000 mg/l	100	BF
Y in HNO ₃	A067.2NP.L5	1000 mg/l	500	DG
Yb in HNO ₃	A068.2NP.L1	1000 mg/l	100	CA

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Yb in HNO ₃	A068.2NP.L5	1000 mg/l	500	EF
Zn in HCl	A069.2CP.L1	1000 mg/l	100	BC
Zn in HCl	A069.2CP.L5	1000 mg/l	500	CC
Zn in HNO ₃	A069.2NP.L1	1000 mg/l	100	BC
Zn in HNO ₃	A069.2NP.L5	1000 mg/l	500	CC
Zr in HNO ₃ /HF tr	A070.2N05FP.L1	1000 mg/l	100	BF
Zr in HNO ₃ /HF tr	A070.2N05FP.L5	1000 mg/l	500	DF
Zr in HCl/HF tr	A070.5C05FP.L1	1000 mg/l	100	BF
Zr in HCl/HF tr	A070.5C05FP.L5	1000 mg/l	500	DF

SINGLE-ELEMENT CONCENTRATES FOR AAS FLAME

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Ag in HNO ₃	A101.20NP.L1	10 000 mg/l	100	BG
Al in HCl	A102.5CP.L1	10 000 mg/l	100	BG
Al in HNO ₃	A102.5NP.L1	10 000 mg/l	100	BG
As in HCl	A103.5CP.L1	10 000 mg/l	100	BG
As in HNO ₃	A103.5NP.L1	10 000 mg/l	100	BG
Au in HCl	A104.5CP.L1	10 000 mg/l	100	BHF
B in NH ₃	A105.2AP.L1	10 000 mg/l	100	BG
Ba in HCl	A106.5CP.L1	10 000 mg/l	100	BG
Be in HCl	A107.5CP.L1	10 000 mg/l	100	EC
Be in HNO ₃ /HF tr	A107.5N1FP.L1	10 000 mg/l	100	EC
Bi in HNO ₃	A108.10NP.L1	10 000 mg/l	100	BG
Ca in HCl	A109.5CP.L1	10 000 mg/l	100	BG
Ca in HNO ₃	A109.5NP.L1	10 000 mg/l	100	BG
Cd in HCl	A110.5CP.L1	10 000 mg/l	100	BG
Cd in HCl	A110.5CP.L5	10 000 mg/l	500	DA
Cd in HNO ₃	A110.5NP.L1	10 000 mg/l	100	BG
Co in HCl	A112.5CP.L1	10 000 mg/l	100	BG
Co in HNO ₃	A112.5NP.L1	10 000 mg/l	100	BG
Cr in HCl	A113.5CP.L1	10 000 mg/l	100	BG
Cr in HNO ₃	A113.5NP.L1	10 000 mg/l	100	BG
Cs in HNO ₃	A114.2NP.L1	10 000 mg/l	100	DC
Cu in HCl	A115.5CP.L1	10 000 mg/l	100	BG
Cu in HNO ₃	A115.5NP.L1	10 000 mg/l	100	BG
Fe in HCl	A119.5CP.L1	10 000 mg/l	100	BG
Fe in HNO ₃	A119.5NP.L1	10 000 mg/l	100	BG
Ge in HNO ₃ /HF tr	A122.5N1FP.L1	10 000 mg/l	100	DF
Hg in HNO ₃	A124.10NP.L1	10 000 mg/l	100	BG
K in HCl	A128.2CP.L1	10 000 mg/l	100	BG
K in HNO ₃	A128.2NP.L1	10 000 mg/l	100	BG

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
La in HCl	A129.2CP.L1	10 000 mg/l	100	BG
Li in HNO ₃	A130.2NP.L1	10 000 mg/l	100	BG
Mg in HCl	A132.5CP.L1	10 000 mg/l	100	BG
Mg in HNO ₃	A132.5NP.L1	10 000 mg/l	100	BG
Mn in HNO ₃	A133.5NP.L1	10 000 mg/l	100	BG
Mo in HNO ₃ /HF tr	A134.5N4FP.L1	10 000 mg/l	100	BG
Na in HCl	A135.2CP.L1	10 000 mg/l	100	BG
Na in HNO ₃	A135.2NP.L1	10 000 mg/l	100	BG
Ni in HNO ₃	A138.5NP.L1	10 000 mg/l	100	BG
P in H ₂ O	A140.W.L1	10 000 mg/l	100	BG
Pb in HNO ₃	A141.5NP.L1	10 000 mg/l	100	BG
Pd in HNO ₃	A142.5NP.L1	10 000 mg/l	100	CHA
Pt in HCl	A144.10CP.L1	10 000 mg/l	100	ECF
Rb in HNO ₃	A145.2NP.L1	10 000 mg/l	100	EC
Sb in HNO ₃ /HF tr	A150.10N2FP.L1	10 000 mg/l	100	BG
Sb in HCl	A150.20CP.L1	10 000 mg/l	100	BG
Sc in HNO ₃	A151.5NP.L1	10 000 mg/l	100	FJ
Se in HNO ₃	A152.5NP.L1	10 000 mg/l	100	BG
Si in H ₂ O	A153.W.L1	10 000 mg/l	100	BG
Sn in HNO ₃ /HF tr	A155.2N2FP.L1	10 000 mg/l	100	BG
Sn in HCl	A155.5CP.L1	10 000 mg/l	100	BG
Sr in HCl	A156.2CP.L1	10 000 mg/l	100	BG
Sr in HNO ₃	A156.5NP.L1	10 000 mg/l	100	BG
Te in HCl	A159.20CP.L1	10 000 mg/l	100	DF
Te in HNO ₃	A159.20NP.L1	10 000 mg/l	100	DF
Ti in HNO ₃ /HF tr	A161.5N2FP.L1	10 000 mg/l	100	BG
Tl in HNO ₃	A162.5NP.L1	10 000 mg/l	100	BG
V in HNO ₃	A165.5NP.L1	10 000 mg/l	100	BG
W in HNO ₃ /HF tr	A166.2N5FP.L1	10 000 mg/l	100	CB

A
A
SA
A
S

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Y in HNO ₃	A167.5NP.L1	10 000 mg/l	100	DF
Zn in HCl	A169.5CP.L1	10 000 mg/l	100	BG

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Zn in HNO ₃	A169.5NP.L1	10 000 mg/l	100	BG
Zr in HCl/HF tr	A170.5C2FP.L1	10 000 mg/l	100	EC

SINGLE-ELEMENT STANDARD SOLUTIONS IN ALCOHOL FOR AAS & ICP

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Ca in 2% HCl / 12% éthanol	A009.2C12EL.L1	1 000 mg/l	100	CF
Ca in 2% HCl / 12% éthanol	A009.2C12EL.L5	1 000 mg/l	500	DJ
Cu in 2% HCl / 12% éthanol	A015.2C12EL.L1	1 000 mg/l	100	CF
Cu in 2% HCl / 12% éthanol	A015.2C12EL.L5	1 000 mg/l	500	DJ
Fe in 2% HCl / 12% éthanol	A019.2C12EL.L1	1 000 mg/l	100	CF
Fe in 2% HCl / 12% éthanol	A019.2C12EL.L5	1 000 mg/l	500	DJ

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
K in 2% HCl / 12% éthanol	A028.2C12EL.L1	1 000 mg/l	100	CF
K in 2% HCl / 12% éthanol	A028.2C12EL.L5	1 000 mg/l	500	DJ
Na in 2% HCl / 12% éthanol	A035.2C12EL.L1	1 000 mg/l	100	CF
Na in 2% HCl / 12% éthanol	A035.2C12EL.L5	1 000 mg/l	500	DJ
Zn in 2% HCl / 12% éthanol	A069.2C12EL.L1	1 000 mg/l	100	CF
Zn in 2% HCl / 12% éthanol	A069.2C12EL.L5	1 000 mg/l	500	DJ

OPTIMIZATION SOLUTIONS FOR AAS (ABSORPTION AND EMISSION)

SOLUTION 1	CODE	VOLUME in ml	PRICE
Al(5 mg/l), Cu(2 mg/l), Fe (2mg/l),Pb(5 mg/l), Zn(0,5 mg/l) in 2 % HNO ₃	O9B68.5.2N.L5	500	FK

SOLUTION 2	CODE	VOLUME in ml	PRICE
Na (0,2 mg/l), K(0,5 mg/l), Cs(1000 mg/l) in 2 % HNO ₃	O6A8F.1K.2N.L5	500	GJ

IONISATION BUFFERS FOR AAS AND ICP

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
CsCl in HCl	IB514.1C.L1	2%	100	KK
CsCl in HCl	IB514.1C.L5	2%	500	CCA
CsCl in HCl	IB614.1C.L1	5%	100	BJA
CsCl in HCl	IB614.1C.L5	5%	500	EEA
Cs ₂ CO ₃ in HNO ₃	IB514.1N.L1	2%	100	KK
Cs ₂ CO ₃ in HNO ₃	IB514.1N.L5	2%	500	CCA
Cs ₂ CO ₃ in HNO ₃	IB614.1N.L1	5%	100	BJA
Cs ₂ CO ₃ in HNO ₃	IB614.1N.L5	5%	500	EEA
LiCl in HCl	IB530.1C.L1	2%	100	KK
LiCl in HCl	IB530.1C.L5	2%	500	CCA
LiCl in HCl	IB630.1C.L1	5%	100	BJA
LiCl in HCl	IB630.1C.L5	5%	500	EEA
Li ₂ CO ₃ in HNO ₃	IB530.1N.L1	2%	100	KK
Li ₂ CO ₃ in HNO ₃	IB530.1N.L5	2%	500	CCA
Li ₂ CO ₃ in HNO ₃	IB630.1N.L1	5%	100	BJA
Li ₂ CO ₃ in HNO ₃	IB630.1N.L5	5%	500	EEA

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
KCl in HCl	IB528.1C.L1	2%	100	KK
KCl in HCl	IB528.1C.L5	2%	500	CCA
KCl in HCl	IB628.1C.L1	5%	100	BJA
KCl in HCl	IB628.1C.L5	5%	500	EEA
KNO ₃ in HNO ₃	IB528.1N.L1	2%	100	KK
KNO ₃ in HNO ₃	IB528.1N.L5	2%	500	CCA
KNO ₃ in HNO ₃	IB628.1N.L1	5%	100	BJA
KNO ₃ in HNO ₃	IB628.1N.L5	5%	500	EEA
NaCl in HCl	IB535.1C.L1	2%	100	KK
NaCl in HCl	IB535.1C.L5	2%	500	CCA
NaCl in HCl	IB635.1C.L1	5%	100	BJA
NaCl in HCl	IB635.1C.L5	5%	500	EEA
NaNO ₃ in HNO ₃	IB535.1N.L1	2%	100	KK
NaNO ₃ in HNO ₃	IB535.1N.L5	2%	500	CCA
NaNO ₃ in HNO ₃	IB635.1N.L1	5%	100	BJA
NaNO ₃ in HNO ₃	IB635.1N.L5	5%	500	EEA

A
A
S

A
A
S

REAGENTS FOR AAS FLAME

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE	ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
La ₂ O ₃ in HCl	IB529.2C.L1	2%	100	KK	SrCO ₃ in HCl	IB556.2C.L1	2%	100	KK
La ₂ O ₃ in HCl	IB529.2C.L5	2%	500	CCA	SrCO ₃ in HCl	IB556.2C.L5	2%	500	CCA
La ₂ O ₃ in HNO ₃	IB629.1N.L1	5%	100	BJA	SrCO ₃ in HNO ₃	IB556.2N.L1	2%	100	KK
La ₂ O ₃ in HNO ₃	IB629.1N.L5	5%	500	EEA	SrCO ₃ in HNO ₃	IB556.2N.L5	2%	500	CCA

BLANKS

SOLUTION	CODE	VOLUME in ml	PRICE	SOLUTION	CODE	VOLUME in ml	PRICE
Blank 5% HCl	AW.5CP.1L	1000	EF	Blank 5% HNO ₃	AW.5NP.L5	500	DA
Blank 5% HCl	AW.5CP.L1	100	CA	Water ASTM	DI01.1L	1000	GA
Blank 5% HCl	AW.5CP.L5	500	DA	Water ASTM	DI01.L1	100	CA
Blank 5% HNO ₃	AW.5NP.1L	1000	EF	Water ASTM	DI01.L5	500	EA
Blank 5% HNO ₃	AW.5NP.L5	100	CA				

SINGLE-ELEMENT STANDARD SOLUTHERM™ FOR GRAPHITE FURNACE (GFAAS) : concentration in ppb

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE	ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Ag in HNO ₃	FD160.D01.1N.L05	0,010 mg/l	50	EF	Mn in HNO ₃	F4C73.D01.1N.L05	0,010 mg/l	50	EF
Al in HNO ₃	FF562.D03.1N.L05	0,030 mg/l	50	EF	Mo in HNO ₃	FB072.D02.1N.L05	0,020 mg/l	50	EF
As in HNO ₃	F2165.D02.1N.L05	0,020 mg/l	50	EF	Na in HNO ₃	F5834.D005.1N.L05	0,005 mg/l	50	EF
Ba in HNO ₃	F5924.D03.1N.L05	0,030 mg/l	50	EF	Ni in HNO ₃	F3836.D03.1N.L05	0,030 mg/l	50	EF
Ca in HNO ₃	F9919.D005.1N.L05	0,005 mg/l	50	EF	Pb in HNO ₃	F1E9C.D02.1N.L05	0,020 mg/l	50	EF
Cd in HNO ₃	F5519.D002.1N.L05	0,002 mg/l	50	EF	Sb in HNO ₃	F1ED8.D02.1N.L05	0,020 mg/l	50	EF
Co in HNO ₃	F711B.D02.1N.L05	0,020 mg/l	50	EF	Se in HNO ₃	F6AD9.D02.1N.L05	0,020 mg/l	50	EF
Cr in HNO ₃	F1D1D.D02.1N.L05	0,020 mg/l	50	EF	Sn in HNO ₃	F4EDB.D03.1N.L05	0,030 mg/l	50	EF
Cu in HNO ₃	F691C.D02.1N.L05	0,020 mg/l	50	EF	Ti in HNO ₃	FFA6F.D04.1N.L05	0,040 mg/l	50	EF
Fe in HNO ₃	FA9D4.D02.1N.L05	0,020 mg/l	50	EF	V in HNO ₃	F0C34.D03.1N.L05	0,030 mg/l	50	EF
K in HNO ₃	F6032.D005.1N.L05	0,005 mg/l	50	EF					

MATRIX MODIFIERS FOR FURNACE AAS

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE	ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Pd(NO ₃) ₂ +Mg(NO ₃) ₂ in HNO ₃	MM2323.10K.1N.L05	2 g/l + 10 g/l	50	BCA	NH ₄ NO ₃ in H ₂ O	MM909D.50K.W.L05	50 g/l	50	KK
Mg(NO ₃) ₂ in H ₂ O	MM2F6A.10K.W.L05	10 g/l	50	GA	Ni(NO ₃) ₂ in HNO ₃	MM9E04.10K.1N.L05	10 g/l	50	GA
Mg(NO ₃) ₂ in H ₂ O	MM2F6A.20K.W.L05	20 g/l	50	KA	Th(NO ₃) ₄ in HNO ₃	MMCB20.10K.1N.L05	10 g/l	50	BFA
Pd(NO ₃) ₂ in HNO ₃	MM4CF5.2K.1N.L05	2 g/l	50	HB	NH ₄ H ₂ PO ₄ in HNO ₃	MMCFE0.100K.1N.L05	100 g/l	50	BCA
Pd(NO ₃) ₂ in HNO ₃	MM4CF5.5K.1N.L05	5 g/l	50	KK	NH ₄ H ₂ PO ₄ in HNO ₃	MMCFE0.20K.1N.L05	20 g/l	50	GA

ICP SINGLE-ELEMENT STANDARD SOLUTIONS - 1g/l & 10 g/l



ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Ag in HNO ₃	C001.2NP.L1	1 g/l	100	DK
Ag in HNO ₃	C001.2NP.L25	1 g/l	250	JA
Ag in HNO ₃	C001.2NP.L5	1 g/l	500	BCA
Ag in HNO ₃	C101.4NP.L1	10 g/l	100	JB
Ag in HNO ₃	C101.4NP.L25	10 g/l	250	BFF
Ag in HNO ₃	C101.4NP.L5	10 g/l	500	CEA
Al in HCl	C002.2CP.L1	1 g/l	100	DH
Al in HCl	C002.2CP.L25	1 g/l	250	GF
Al in HCl	C002.2CP.L5	1 g/l	500	JF
Al in HCl	C102.5CP.L1	10 g/l	100	KA
Al in HCl	C102.5CP.L25	10 g/l	250	BDH
Al in HCl	C102.5CP.L5	10 g/l	500	CBA
Al in HNO ₃	C002.2NP.L1	1 g/l	100	DH
Al in HNO ₃	C002.2NP.L25	1 g/l	250	GF
Al in HNO ₃	C002.2NP.L5	1 g/l	500	JF
Al in HNO ₃	C102.2NP.L1	10 g/l	100	BDH
Al in HNO ₃	C102.2NP.L25	10 g/l	250	CFA
Al in HNO ₃	C102.2NP.L5	10 g/l	500	CBA
As in HNO ₃	C003.2NP.L1	1 g/l	100	DH
As in HNO ₃	C003.2NP.L25	1 g/l	250	GF
As in HNO ₃	C003.2NP.L5	1 g/l	500	JF
As in HNO ₃	C103.2NP.L1	10 g/l	100	HF
As in HNO ₃	C103.2NP.L25	10 g/l	250	BDH
As in HNO ₃	C103.2NP.L5	10 g/l	500	CBA
Au in HCl	C004.2CP.L1	1 g/l	100	BCC
Au in HCl	C004.2CP.L25	1 g/l	250	BKA
Au in HCl	C004.2CP.L5	1 g/l	500	CKA
Au in HCl	C104.5CP.L1	10 g/l	100	DAF
Au in HCl	C104.5CP.L25	10 g/l	250	FKH
Au in HCl	C104.5CP.L5	10 g/l	500	MCA
B in H ₂ O	C005.W.L1	1 g/l	100	DH
B in H ₂ O	C005.W.L25	1 g/l	250	GF
B in H ₂ O	C005.W.L5	1 g/l	500	JF
B in H ₂ O	C105.W.L1	10 g/l	100	HF
B in H ₂ O	C105.W.L25	10 g/l	250	BDH
B in H ₂ O	C105.W.L5	10 g/l	500	CBA

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Ba in HCl	C006.2CP.L1	1 g/l	100	DH
Ba in HCl	C006.2CP.L25	1 g/l	250	GF
Ba in HCl	C006.2CP.L5	1 g/l	500	JF
Ba in HCl	C106.5CP.L1	10 g/l	100	HA
Ba in HCl	C106.5CP.L25	10 g/l	250	BAF
Ba in HCl	C106.5CP.L5	10 g/l	500	BGF
Ba in HNO ₃	C006.1NP.L1	1 g/l	100	DH
Ba in HNO ₃	C006.1NP.L25	1 g/l	250	GF
Ba in HNO ₃	C006.1NP.L5	1 g/l	500	JF
Ba in HNO ₃	C106.1NP.L1	10 g/l	100	HA
Ba in HNO ₃	C106.1NP.L25	10 g/l	250	BAF
Ba in HNO ₃	C106.1NP.L5	10 g/l	500	BGF
Be in HCl	C007.2CP.L1	1 g/l	100	DH
Be in HCl	C007.2CP.L25	1 g/l	250	GF
Be in HCl	C007.2CP.L5	1 g/l	500	JF
Be in HCl	C107.5CP.L1	10 g/l	100	HA
Be in HCl	C107.5CP.L25	10 g/l	250	BAF
Be in HCl	C107.5CP.L5	10 g/l	500	BGF
Be in HNO ₃ /HF tr	C007.2N05FP.L1	1 g/l	100	DH
Be in HNO ₃ /HF tr	C007.2N05FP.L25	1 g/l	250	GF
Be in HNO ₃ /HF tr	C007.2N05FP.L5	1 g/l	500	JF
Be in HNO ₃ /HF tr	C107.5N1FP.L1	10 g/l	100	HA
Be in HNO ₃ /HF tr	C107.5N1FP.L25	10 g/l	250	BAF
Be in HNO ₃ /HF tr	C107.5N1FP.L5	10 g/l	500	BGF
Bi in HNO ₃	C008.3NP.L1	1 g/l	100	DH
Bi in HNO ₃	C008.3NP.L25	1 g/l	250	GF
Bi in HNO ₃	C008.3NP.L5	1 g/l	500	JF
Bi in HNO ₃	C108.3NP.L1	10 g/l	100	HA
Bi in HNO ₃	C108.3NP.L25	10 g/l	250	BAF
Bi in HNO ₃	C108.3NP.L5	10 g/l	500	BGF
Ca in HCl	C009.2CP.L1	1 g/l	100	JA
Ca in HCl	C009.2CP.L25	1 g/l	250	BCA
Ca in HCl	C009.2CP.L5	1 g/l	500	BAF
Ca in HNO ₃	C009.2NP.L1	1 g/l	100	DH
Ca in HNO ₃	C009.2NP.L25	1 g/l	250	GF
Ca in HNO ₃	C009.2NP.L5	1 g/l	500	JF

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Ca in HNO ₃	C109.2NP.L1	10 g/l	100	HA
Ca in HNO ₃	C109.2NP.L25	10 g/l	250	BAF
Ca in HNO ₃	C109.2NP.L5	10 g/l	500	BGF
Cd in HNO ₃	C010.2NP.L1	1 g/l	100	DH
Cd in HNO ₃	C010.2NP.L25	1 g/l	250	GF
Cd in HNO ₃	C010.2NP.L5	1 g/l	500	JF
Cd in HNO ₃	C110.2NP.L1	10 g/l	100	HA
Cd in HNO ₃	C110.2NP.L25	10 g/l	250	BAF
Cd in HNO ₃	C110.2NP.L5	10 g/l	500	BGF
Ce in HNO ₃	C011.2NP.L1	1 g/l	100	DH
Ce in HNO ₃	C011.2NP.L25	1 g/l	250	GF
Ce in HNO ₃	C011.2NP.L5	1 g/l	500	JF
Ce in HNO ₃	C111.3NP.L1	10 g/l	100	HA
Ce in HNO ₃	C111.3NP.L25	10 g/l	250	BAF
Ce in HNO ₃	C111.3NP.L5	10 g/l	500	BGF
Co in HNO ₃	C012.2NP.L1	1 g/l	100	DH
Co in HNO ₃	C012.2NP.L25	1 g/l	250	GF
Co in HNO ₃	C012.2NP.L5	1 g/l	500	JF
Co in HNO ₃	C112.3NP.L1	10 g/l	100	HA
Co in HNO ₃	C112.3NP.L25	10 g/l	250	BAF
Co in HNO ₃	C112.3NP.L5	10 g/l	500	BGF
Cr in HCl	C013.2CP.L1	1 g/l	100	DH
Cr in HCl	C013.2CP.L25	1 g/l	250	GF
Cr in HCl	C013.2CP.L5	1 g/l	500	JF
Cr in HCl	C113.5CP.L1	10 g/l	100	HA
Cr in HCl	C113.5CP.L25	10 g/l	250	BAF
Cr in HCl	C113.5CP.L5	10 g/l	500	BGF
Cr in HNO ₃	C013.2NP.L1	1 g/l	100	DH
Cr in HNO ₃	C013.2NP.L25	1 g/l	250	GF
Cr in HNO ₃	C013.2NP.L5	1 g/l	500	BAF
Cr in HNO ₃	C113.3NP.L1	10 g/l	100	HA
Cr in HNO ₃	C113.3NP.L25	10 g/l	250	BAF
Cr in HNO ₃	C113.3NP.L5	10 g/l	500	BGF
Cs in H ₂ O	C014.W.L1	1 g/l	100	DH
Cs in H ₂ O	C014.W.L25	1 g/l	250	GF
Cs in H ₂ O	C014.W.L5	1 g/l	500	BAF
Cs in H ₂ O	C114.W.L1	10 g/l	100	KA
Cs in H ₂ O	C114.W.L25	10 g/l	250	BDH
Cs in H ₂ O	C114.W.L5	10 g/l	500	CBA
Cs in HNO ₃	C014.2NP.L1	1 g/l	100	DH
Cs in HNO ₃	C014.2NP.L25	1 g/l	250	GF
Cs in HNO ₃	C014.2NP.L5	1 g/l	500	JF
Cs in HNO ₃	C114.2NP.L1	10 g/l	100	HA

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Cs in HNO ₃	C114.2NP.L25	10 g/l	250	BAF
Cs in HNO ₃	C114.2NP.L5	10 g/l	500	BGF
Cu in HNO ₃	C015.2NP.L1	1 g/l	100	DH
Cu in HNO ₃	C015.2NP.L25	1 g/l	250	GF
Cu in HNO ₃	C015.2NP.L5	1 g/l	500	JF
Cu in HNO ₃	C115.3NP.L1	10 g/l	100	HA
Cu in HNO ₃	C115.3NP.L25	10 g/l	250	BAF
Cu in HNO ₃	C115.3NP.L5	10 g/l	500	BGF
Dy in HNO ₃	C016.2NP.L1	1 g/l	100	DK
Dy in HNO ₃	C016.2NP.L25	1 g/l	250	JA
Dy in HNO ₃	C016.2NP.L5	1 g/l	500	BCA
Dy in HNO ₃	C116.3NP.L1	10 g/l	100	JC
Dy in HNO ₃	C116.3NP.L25	10 g/l	250	BFF
Dy in HNO ₃	C116.3NP.L5	10 g/l	500	CEA
Er in HNO ₃	C017.2NP.L1	1 g/l	100	DK
Er in HNO ₃	C017.2NP.L25	1 g/l	250	JA
Er in HNO ₃	C017.2NP.L5	1 g/l	500	BCA
Er in HNO ₃	C117.3NP.L1	10 g/l	100	JC
Er in HNO ₃	C117.3NP.L25	10 g/l	250	BFF
Er in HNO ₃	C117.3NP.L5	10 g/l	500	CEA
Eu in HNO ₃	C018.2NP.L1	1 g/l	100	DK
Eu in HNO ₃	C018.2NP.L25	1 g/l	250	JA
Eu in HNO ₃	C018.2NP.L5	1 g/l	500	BCA
Eu in HNO ₃	C118.2NP.L1	10 g/l	100	JC
Eu in HNO ₃	C118.2NP.L25	10 g/l	250	BFF
Eu in HNO ₃	C118.2NP.L5	10 g/l	500	CEA
Fe in HCl	C019.2CP.L1	1 g/l	100	DH
Fe in HCl	C019.2CP.L25	1 g/l	250	GF
Fe in HCl	C019.2CP.L5	1 g/l	500	JF
Fe in HCl	C119.5CP.L1	10 g/l	100	HA
Fe in HCl	C119.5CP.L25	10 g/l	250	BAF
Fe in HCl	C119.5CP.L5	10 g/l	500	BGF
Fe in HNO ₃	C019.2NP.L1	1 g/l	100	DH
Fe in HNO ₃	C019.2NP.L25	1 g/l	250	GF
Fe in HNO ₃	C019.2NP.L5	1 g/l	500	JF
Fe in HNO ₃	C119.4NP.L1	10 g/l	100	HF
Fe in HNO ₃	C119.4NP.L25	10 g/l	250	BDH
Fe in HNO ₃	C119.4NP.L5	10 g/l	500	CBA
Ga in HNO ₃	C020.2NP.L1	1 g/l	100	DK
Ga in HNO ₃	C020.2NP.L25	1 g/l	250	JA
Ga in HNO ₃	C020.2NP.L5	1 g/l	500	BCA
Ga in HNO ₃	C120.3NP.L1	10 g/l	100	JC
Ga in HNO ₃	C120.3NP.L25	10 g/l	250	BFF

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Ga in HNO ₃	C120.3NP.L5	10 g/l	500	CEA
Gd in HNO ₃	C021.2NP.L1	1g/l	100	DK
Gd in HNO ₃	C021.2NP.L25	1 g/l	250	JA
Gd in HNO ₃	C021.2NP.L5	1 g/l	500	BCA
Gd in HNO ₃	C121.3NP.L1	10 g/l	100	JC
Gd in HNO ₃	C121.3NP.L25	10 g/l	250	BFF
Gd in HNO ₃	C121.3NP.L5	10 g/l	500	CEA
Ge in HNO ₃ /HF tr	C022.2N05FP.L1	1 g/l	100	DK
Ge in HNO ₃ /HF tr	C022.2N05FP.L25	1 g/l	250	JA
Ge in HNO ₃ /HF tr	C022.2N05FP.L5	1 g/l	500	BCA
Ge in HNO ₃ /HF tr	C122.2N05FP.L1	10 g/l	100	JC
Ge in HNO ₃ /HF tr	C122.2N05FP.L25	10 g/l	250	BFF
Ge in HNO ₃ /HF tr	C122.2N05FP.L5	10 g/l	500	CEA
Hf in HCl/HF tr	C023.2C05FP.L1	1 g/l	100	FA
Hf in HCl/HF tr	C023.2C05FP.L25	1 g/l	250	JJ
Hf in HCl/HF tr	C023.2C05FP.L5	1 g/l	500	BDA
Hf in HCl/HF tr	C123.2C05FP.L1	10 g/l	100	DCA
Hf in HCl/HF tr	C123.2C05FP.L25	10 g/l	250	GKA
Hf in HCl/HF tr	C123.2C05FP.L5	10 g/l	500	KFA
Hf in HNO ₃ /HF tr	C023.2N05FP.L1	1 g/l	100	FA
Hf in HNO ₃ /HF tr	C023.2N05FP.L25	1 g/l	250	JJ
Hf in HNO ₃ /HF tr	C023.2N05FP.L5	1 g/l	500	BDA
Hf in HNO ₃ /HF tr	C123.5N2FP.L1	10 g/l	100	DCA
Hf in HNO ₃ /HF tr	C123.5N2FP.L25	10 g/l	250	GKA
Hf in HNO ₃ /HF tr	C123.5N2FP.L5	10 g/l	500	KFA
Hg in HNO ₃	C024.10NP.L1	1 g/l	100	DH
Hg in HNO ₃	C024.10NP.L25	1 g/l	250	GF
Hg in HNO ₃	C024.10NP.L5	1 g/l	500	JJ
Hg in HNO ₃	C124.10NP.L1	10 g/l	100	HA
Hg in HNO ₃	C124.10NP.L25	10 g/l	250	BAF
Hg in HNO ₃	C124.10NP.L5	10 g/l	500	BGF
Ho in HNO ₃	C025.2NP.L1	1 g/l	100	DK
Ho in HNO ₃	C025.2NP.L25	1 g/l	250	JA
Ho in HNO ₃	C025.2NP.L5	1 g/l	500	BCA
Ho in HNO ₃	C125.3NP.L1	10 g/l	100	JC
Ho in HNO ₃	C125.3NP.L25	10 g/l	250	BFF
Ho in HNO ₃	C125.3NP.L5	10 g/l	500	CEA
In in HNO ₃	C026.2NP.L1	1 g/l	100	DK
In in HNO ₃	C026.2NP.L25	1 g/l	250	JA
In in HNO ₃	C026.2NP.L5	1 g/l	500	BCA
In in HNO ₃	C126.3NP.L1	10 g/l	100	JC
In in HNO ₃	C126.3NP.L25	10 g/l	250	BFF
In in HNO ₃	C126.3NP.L5	10 g/l	500	CEA

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Ir in HCl	C027.10CP.L1	1 g/l	100	BAF
Ir in HCl	C027.10CP.L25	1 g/l	250	CAH
Ir in HCl	C027.10CP.L5	1 g/l	500	CJJ
Ir in HCl	C127.10CP.L1	10 g/l	100	DGF
Ir in HCl	C127.10CP.L25	10 g/l	250	HCF
Ir in HCl	C127.10CP.L5	10 g/l	500	PFA
K in H ₂ O	C028.W.L1	1 g/l	100	DH
K in H ₂ O	C028.W.L25	1 g/l	250	GF
K in H ₂ O	C028.W.L5	1 g/l	500	JF
K in H ₂ O	C128.W.L1	10 g/l	100	HA
K in H ₂ O	C128.W.L25	10 g/l	250	BAF
K in H ₂ O	C128.W.L5	10 g/l	500	BGF
K in HNO ₃	C028.2NP.L1	1 g/l	100	DH
K in HNO ₃	C028.2NP.L25	1 g/l	250	GF
K in HNO ₃	C028.2NP.L5	1 g/l	500	BAF
K in HNO ₃	C128.2NP.L1	10 g/l	100	HA
K in HNO ₃	C128.2NP.L25	10 g/l	250	BAF
K in HNO ₃	C128.2NP.L5	10 g/l	500	BGF
La in HNO ₃	C029.2NP.L1	1 g/l	100	DH
La in HNO ₃	C029.2NP.L25	1 g/l	250	GF
La in HNO ₃	C029.2NP.L5	1 g/l	500	JF
La in HNO ₃	C129.3NP.L1	10 g/l	100	HA
La in HNO ₃	C129.3NP.L25	10 g/l	250	BAF
La in HNO ₃	C129.3NP.L5	10 g/l	500	BGF
Li in HCl	C030.2CP.L1	1 g/l	100	DH
Li in HNO ₃	C030.2CP.L25	1 g/l	250	GF
Li in HNO ₃	C030.2CP.L5	1 g/l	500	JF
Li in HNO ₃	C130.2CP.L1	10 g/l	100	HA
Li in HNO ₃	C130.2CP.L25	10 g/l	250	BAF
Li in HNO ₃	C130.2CP.L5	10 g/l	500	BGF
Li in HNO ₃	C030.2NP.L1	1 g/l	100	DH
Li in HNO ₃	C030.2NP.L25	1 g/l	250	GF
Li in HNO ₃	C030.2NP.L5	1 g/l	500	JF
Li in HNO ₃	C130.3NP.L1	10 g/l	100	HA
Li in HNO ₃	C130.3NP.L25	10 g/l	250	BAF
Li in HNO ₃	C130.3NP.L5	10 g/l	500	BGF
Lu in HNO ₃	C031.2NP.L1	1 g/l	100	HF
Lu in HNO ₃	C031.2NP.L25	1 g/l	250	BCC
Lu in HNO ₃	C031.2NP.L5	1 g/l	500	CBA
Lu in HNO ₃	C131.3NP.L1	10 g/l	100	CBF
Lu in HNO ₃	C131.3NP.L25	10 g/l	250	EAF
Lu in HNO ₃	C131.3NP.L5	10 g/l	500	JBA
Mg in HNO ₃	C032.2NP.L1	1 g/l	100	DH

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Mg in HNO ₃	C032.2NP.L25	1 g/l	250	GF
Mg in HNO ₃	C032.2NP.L5	1 g/l	500	JF
Mg in HNO ₃	C132.2NP.L1	10 g/l	100	HA
Mg in HNO ₃	C132.2NP.L25	10 g/l	250	BAF
Mg in HNO ₃	C132.2NP.L5	10 g/l	500	BGF
Mn in HCl	C033.2CP.L1	1 g/l	100	DH
Mn in HCl	C033.2CP.L25	1 g/l	250	GF
Mn in HCl	C033.2CP.L5	1 g/l	500	JF
Mn in HCl	C133.5CP.L1	10 g/l	100	HA
Mn in HCl	C133.5CP.L25	10 g/l	250	BAF
Mn in HCl	C133.5CP.L5	10 g/l	500	BGF
Mn in HNO ₃	C033.2NP.L1	1 g/l	100	DH
Mn in HNO ₃	C033.2NP.L25	1 g/l	250	GF
Mn in HNO ₃	C033.2NP.L5	1 g/l	500	JF
Mn in HNO ₃	C133.3NP.L1	10 g/l	100	HA
Mn in HNO ₃	C133.3NP.L25	10 g/l	250	BAF
Mn in HNO ₃	C133.3NP.L5	10 g/l	500	BGF
Mo in HNO ₃ /HF tr	C034.1N05FP.L1	1 g/l	100	DH
Mo in HNO ₃ /HF tr	C034.1N05FP.L25	1 g/l	250	GF
Mo in HNO ₃ /HF tr	C034.1N05FP.L5	1 g/l	500	JF
Mo in HNO ₃ /HF tr	C134.2N05FP.L1	10 g/l	100	HA
Mo in HNO ₃ /HF tr	C134.2N05FP.L25	10 g/l	250	BAF
Mo in HNO ₃ /HF tr	C134.2N05FP.L5	10 g/l	500	BGF
Mo in HNO ₃	C034.4AP.L1	1 g/l	100	DH
Mo in HNO ₃	C034.4AP.L25	1 g/l	250	GF
Mo in HNO ₃	C034.4AP.L5	1 g/l	500	JF
Mo in HNO ₃	C134.4AP.L1	10 g/l	100	HA
Mo in HNO ₃	C134.4AP.L25	10 g/l	250	BAF
Mo in HNO ₃	C134.4AP.L5	10 g/l	500	BGF
Na in H ₂ O	C035.W.L1	1 g/l	100	DH
Na in H ₂ O	C035.W.L25	1 g/l	250	GF
Na in H ₂ O	C035.W.L5	1 g/l	500	JF
Na in H ₂ O	C135.W.L1	10 g/l	100	HA
Na in H ₂ O	C135.W.L25	10 g/l	250	BAF
Na in H ₂ O	C135.W.L5	10 g/l	500	BGF
Na in HNO ₃	C035.2NP.L1	1 g/l	100	DH
Na in HNO ₃	C035.2NP.L25	1 g/l	250	GF
Na in HNO ₃	C035.2NP.L5	1 g/l	500	JF
Na in HNO ₃	C135.2NP.L1	10 g/l	100	HA
Na in HNO ₃	C135.2NP.L25	10 g/l	250	BAF
Na in HNO ₃	C135.2NP.L5	10 g/l	500	BGF
Nb in HNO ₃ /HF tr	C036.2N05FP.L1	1 g/l	100	DH
Nb in HNO ₃ /HF tr	C036.2N05FP.L25	1 g/l	250	GF

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Nb in HNO ₃ /HF tr	C036.2N05FP.L5	1 g/l	500	JF
Nb in HNO ₃ /HF tr	C136.5N5FP.L1	10 g/l	100	HA
Nb in HNO ₃ /HF tr	C136.5N5FP.L25	10 g/l	250	BAF
Nb in HNO ₃ /HF tr	C136.5N5FP.L5	10 g/l	500	BGF
Nd in HNO ₃	C037.2NP.L1	1 g/l	100	DK
Nd in HNO ₃	C037.2NP.L25	1 g/l	250	JA
Nd in HNO ₃	C037.2NP.L5	1 g/l	500	BCA
Nd in HNO ₃	C137.3NP.L1	10 g/l	100	JD
Nd in HNO ₃	C137.3NP.L25	10 g/l	250	BFF
Nd in HNO ₃	C137.3NP.L5	10 g/l	500	CEA
Ni in HNO ₃	C038.2NP.L1	1 g/l	100	DH
Ni in HNO ₃	C038.2NP.L25	1 g/l	250	GF
Ni in HNO ₃	C038.2NP.L5	1 g/l	500	JF
Ni in HNO ₃	C138.3NP.L1	10 g/l	100	HA
Ni in HNO ₃	C138.3NP.L25	10 g/l	250	BAF
Ni in HNO ₃	C138.3NP.L5	10 g/l	500	BGF
Os in HCl	C039.2CP.L1	1 g/l	100	BFA
Os in HCl	C039.2CP.L25	1 g/l	250	CCF
Os in HCl	C039.2CP.L5	1 g/l	500	DGA
Os in HCl	C139.5CP.L1	10 g/l	100	FBC
Os in HCl	C139.5CP.L25	10 g/l	250	KDF
Os in HCl	C139.5CP.L5	10 g/l	500	RCA
P in H ₂ O	C040.W.L1	1 g/l	100	DH
P in H ₂ O	C040.W.L25	1 g/l	250	GF
P in H ₂ O	C040.W.L5	1 g/l	500	JF
P in H ₂ O	C140.W.L1	10 g/l	100	HA
P in H ₂ O	C140.W.L25	10 g/l	250	BAF
P in H ₂ O	C140.W.L5	10 g/l	500	BGF
P in H ₂ SO ₄	C040.05SP.L1	1 g/l	100	DH
P in H ₂ SO ₄	C040.05SP.L25	1 g/l	250	GF
P in H ₂ SO ₄	C040.05SP.L5	1 g/l	500	JF
P in H ₂ SO ₄	C140.05SP.L1	10 g/l	100	HA
P in H ₂ SO ₄	C140.05SP.L25	10 g/l	250	BAF
P in H ₂ SO ₄	C140.05SP.L5	10 g/l	500	BGF
Pb in HNO ₃	C041.2NP.L1	1 g/l	100	DH
Pb in HNO ₃	C041.2NP.L25	1 g/l	250	GF
Pb in HNO ₃	C041.2NP.L5	1 g/l	500	BAF
Pb in HNO ₃	C141.2NP.L1	10 g/l	100	HA
Pb in HNO ₃	C141.2NP.L25	10 g/l	250	BAF
Pb in HNO ₃	C141.2NP.L5	10 g/l	500	BGF
Pd in HCl	C042.5CP.L1	1 g/l	100	BAK
Pd in HCl	C042.5CP.L25	1 g/l	250	BJC
Pd in HCl	C042.5CP.L5	1 g/l	500	CHF

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Pd in HCl	C142.5CP.L1	10 g/l	100	CKH
Pd in HCl	C142.5CP.L25	10 g/l	250	GKG
Pd in HCl	C142.5CP.L5	10 g/l	500	MCA
Pd in HNO ₃	C042.3NP.L1	1 g/l	100	BAK
Pd in HNO ₃	C042.3NP.L25	1 g/l	250	BJC
Pd in HNO ₃	C042.3NP.L5	1 g/l	500	CHF
Pd in HNO ₃	C142.4NP.L1	10 g/l	100	CKH
Pd in HNO ₃	C142.4NP.L25	10 g/l	250	GKG
Pd in HNO ₃	C142.4NP.L5	10 g/l	500	MCA
Pr in HNO ₃	C043.2NP.L1	1 g/l	100	DK
Pr in HNO ₃	C043.2NP.L25	1 g/l	250	JA
Pr in HNO ₃	C043.2NP.L5	1 g/l	500	BCA
Pr in HNO ₃	C143.3NP.L1	10 g/l	100	JC
Pr in HNO ₃	C143.3NP.L25	10 g/l	250	BFF
Pr in HNO ₃	C143.3NP.L5	10 g/l	500	CEA
Pt in HCl	C044.10CP.L1	1 g/l	100	BAF
Pt in HCl	C044.10CP.L25	1 g/l	250	BKA
Pt in HCl	C044.10CP.L5	1 g/l	500	DHF
Pt in HCl	C144.10CP.L1	10 g/l	100	GFF
Pt in HCl	C144.10CP.L25	10 g/l	250	MFA
Pt in HCl	C144.10CP.L5	10 g/l	500	TFA
Rb in H ₂ O	C045.W.L1	1 g/l	100	DH
Rb in H ₂ O	C045.W.L25	1 g/l	250	GF
Rb in H ₂ O	C045.W.L5	1 g/l	500	JF
Rb in H ₂ O	C145.W.L1	10 g/l	100	HA
Rb in H ₂ O	C145.W.L25	10 g/l	250	BAF
Rb in H ₂ O	C145.W.L5	10 g/l	500	BGF
Rb in HNO ₃	C045.2NP.L1	1 g/l	100	DH
Rb in HNO ₃	C045.2NP.L25	1 g/l	250	GF
Rb in HNO ₃	C045.2NP.L5	1 g/l	500	JF
Rb in HNO ₃	C145.2NP.L1	10 g/l	100	HA
Rb in HNO ₃	C145.2NP.L25	10 g/l	250	BAF
Rb in HNO ₃	C145.2NP.L5	10 g/l	500	BGF
Re in H ₂ O	C046.W.L1	1 g/l	100	HA
Re in H ₂ O	C046.W.L1	1 g/l	100	HA
Re in H ₂ O	C046.W.L25	1 g/l	250	BAH
Re in H ₂ O	C046.W.L5	1 g/l	500	BGJ
Re in H ₂ O	C146.W.L1	10 g/l	100	BJA
Re in H ₂ O	C146.W.L25	10 g/l	250	DAG
Re in H ₂ O	C146.W.L5	10 g/l	500	FHG
Re in HNO ₃	C046.2NP.L1	1 g/l	100	HA
Re in HNO ₃	C046.2NP.L25	1 g/l	250	BAH
Re in HNO ₃	C046.2NP.L5	1 g/l	500	BGJ

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Re in HNO ₃	C146.2NP.L1	10 g/l	100	CDF
Re in HNO ₃	C146.2NP.L25	10 g/l	250	GAF
Re in HNO ₃	C146.2NP.L5	10 g/l	500	MJA
Rh in HCl	C047.5CP.L1	1 g/l	100	CEF
Rh in HCl	C047.5CP.L25	1 g/l	250	EKA
Rh in HCl	C047.5CP.L5	1 g/l	500	KKA
Rh in HCl	C147.10CP.L1	10 g/l	100	RFA
Rh in HCl	C147.10CP.L25	10 g/l	250	VFA
Rh in HCl	C147.10CP.L5	10 g/l	500	XFA
Ru in HCl	C048.5CP.L1	1 g/l	100	BCC
Ru in HCl	C048.5CP.L25	1 g/l	250	BKA
Ru in HCl	C048.5CP.L5	1 g/l	500	CKA
Ru in HCl	C148.10CP.L1	10 g/l	100	DAF
Ru in HCl	C148.10CP.L25	10 g/l	250	EGE
Ru in HCl	C148.10CP.L5	10 g/l	500	HJA
S in H ₂ O	C049.W.L1	1 g/l	100	DH
S in H ₂ O	C049.W.L25	1 g/l	250	GF
S in H ₂ O	C049.W.L5	1 g/l	500	JF
S in H ₂ O	C149.W.L1	10 g/l	100	HA
S in H ₂ O	C149.W.L25	10 g/l	250	BAF
S in H ₂ O	C149.W.L5	10 g/l	500	BGF
Sb in HCl	C050.20CP.L1	1 g/l	100	DH
Sb in HCl	C050.20CP.L25	1 g/l	250	GF
Sb in HCl	C050.20CP.L5	1 g/l	500	JF
Sb in HCl	C150.20CP.L1	10 g/l	100	HA
Sb in HCl	C150.20CP.L25	10 g/l	250	BAF
Sb in HCl	C150.20CP.L5	10 g/l	500	BGF
Sb in HNO ₃ /HF tr	C050.2N05FP.L1	1 g/l	100	DH
Sb in HNO ₃ /HF tr	C050.2N05FP.L25	1 g/l	250	GF
Sb in HNO ₃ /HF tr	C050.2N05FP.L5	1 g/l	500	JF
Sb in HNO ₃ /HF tr	C150.10N2FP.L1	10 g/l	100	HA
Sb in HNO ₃ /HF tr	C150.10N2FP.L25	10 g/l	250	BAF
Sb in HNO ₃ /HF tr	C150.10N2FP.L5	10 g/l	500	BGF
Sc in HNO ₃	C051.2NP.L1	1 g/l	100	HF
Sc in HNO ₃	C051.2NP.L25	1 g/l	250	BCC
Sc in HNO ₃	C051.2NP.L5	1 g/l	500	CDC
Sc in HNO ₃	C151.3NP.L1	10 g/l	100	BHF
Sc in HNO ₃	C151.3NP.L25	10 g/l	250	EBA
Sc in HNO ₃	C151.3NP.L5	10 g/l	500	HGA
Se in HNO ₃	C052.2NP.L1	1 g/l	100	DH
Se in HNO ₃	C052.2NP.L25	1 g/l	250	GF
Se in HNO ₃	C052.2NP.L5	1 g/l	500	JF
Se in HNO ₃	C152.3NP.L1	10 g/l	100	HA

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Se in HNO ₃	C152.3NP.L25	10 g/l	250	BAF
Se in HNO ₃	C152.3NP.L5	10 g/l	500	BGF
Si in H ₂ O	C053.W.L1	1 g/l	100	DH
Si in H ₂ O	C053.W.L25	1 g/l	250	GF
Si in H ₂ O	C053.W.L5	1 g/l	500	JF
Si in H ₂ O	C153.W.L1	10 g/l	100	HA
Si in H ₂ O	C153.W.L25	10 g/l	250	BAF
Si in H ₂ O	C153.W.L5	10 g/l	500	BGF
Sm in HNO ₃	C054.2NP.L1	1 g/l	100	DK
Sm in HNO ₃	C054.2NP.L25	1 g/l	250	JA
Sm in HNO ₃	C054.2NP.L5	1 g/l	500	BCA
Sm in HNO ₃	C154.2NP.L1	10 g/l	100	JC
Sm in HNO ₃	C154.2NP.L25	10 g/l	250	BFF
Sm in HNO ₃	C154.2NP.L5	10 g/l	500	CEA
Sn in HCl	C055.20CP.L1	1 g/l	100	DH
Sn in HCl	C055.20CP.L25	1 g/l	250	GF
Sn in HCl	C055.20CP.L5	1 g/l	500	JF
Sn in HCl	C155.20CP.L1	10 g/l	100	HA
Sn in HCl	C155.20CP.L25	10 g/l	250	BAF
Sn in HCl	C155.20CP.L5	10 g/l	500	BGF
Sn in HNO ₃ /HF tr	C055.1N1FP.L1	1 g/l	100	DH
Sn in HNO ₃ /HF tr	C055.1N1FP.L25	1 g/l	250	GF
Sn in HNO ₃ /HF tr	C055.1N1FP.L5	1 g/l	500	JF
Sn in HNO ₃ /HF tr	C155.2N2FP.L1	10 g/l	100	HA
Sn in HNO ₃ /HF tr	C155.2N2FP.L25	10 g/l	250	BAF
Sn in HNO ₃ /HF tr	C155.2N2FP.L5	10 g/l	500	BGF
Sr in HCl	C056.2CP.L1	1 g/l	100	DH
Sr in HCl	C056.2CP.L25	1 g/l	250	GF
Sr in HCl	C056.2CP.L5	1 g/l	500	JF
Sr in HCl	C156.2CP.L1	10 g/l	100	HA
Sr in HCl	C156.2CP.L25	10 g/l	250	BAF
Sr in HCl	C156.2CP.L5	10 g/l	500	BGF
Sr in HNO ₃	C056.2NP.L1	1 g/l	100	DH
Sr in HNO ₃	C056.2NP.L25	1 g/l	250	GF
Sr in HNO ₃	C056.2NP.L5	1 g/l	500	JF
Sr in HNO ₃	C156.2NP.L1	10 g/l	100	HA
Sr in HNO ₃	C156.2NP.L25	10 g/l	250	BAF
Sr in HNO ₃	C156.2NP.L5	10 g/l	500	BGF
Ta in HNO ₃ /HF tr	C057.1N05FP.L1	1 g/l	100	FA
Ta in HNO ₃ /HF tr	C057.1N05FP.L25	1 g/l	250	JA
Ta in HNO ₃ /HF tr	C057.1N05FP.L5	1 g/l	500	BCA
Ta in HNO ₃ /HF tr	C157.1N05FP.L1	10 g/l	100	JC
Ta in HNO ₃ /HF tr	C157.1N05FP.L25	10 g/l	250	BFF

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Ta in HNO ₃ /HF tr	C157.1N05FP.L5	10 g/l	500	CEA
Tb in HNO ₃	C058.2NP.L1	1 g/l	100	DG
Tb in HNO ₃	C058.2NP.L25	1 g/l	250	JA
Tb in HNO ₃	C058.2NP.L5	1 g/l	500	BCA
Tb in HNO ₃	C158.3NP.L1	10 g/l	100	BAB
Tb in HNO ₃	C158.3NP.L25	10 g/l	250	CDA
Tb in HNO ₃	C158.3NP.L5	10 g/l	500	DEA
Te in HCl	C059.20CP.L1	1 g/l	100	EE
Te in HCl	C059.20CP.L25	1 g/l	250	JJ
Te in HCl	C059.20CP.L5	1 g/l	500	BDA
Te in HCl	C159.20CP.L1	10 g/l	100	JJ
Te in HCl	C159.20CP.L25	10 g/l	250	BGJ
Te in HCl	C159.20CP.L5	10 g/l	500	CFK
Te in HNO ₃	C059.2NP.L1	1 g/l	100	EE
Te in HNO ₃	C059.2NP.L25	1 g/l	250	JJ
Te in HNO ₃	C059.2NP.L5	1 g/l	500	BDA
Te in HNO ₃	C159.20NP.L1	10 g/l	100	JJ
Te in HNO ₃	C159.20NP.L25	10 g/l	250	BGJ
Te in HNO ₃	C159.20NP.L5	10 g/l	500	CFK
Th in HNO ₃	C060.2NP.L1	1 g/l	100	DK
Th in HNO ₃	C060.2NP.L25	1 g/l	250	JA
Th in HNO ₃	C060.2NP.L5	1 g/l	500	BCA
Th in HNO ₃	C160.3NP.L1	10 g/l	100	JC
Th in HNO ₃	C160.3NP.L25	10 g/l	250	BFF
Th in HNO ₃	C160.3NP.L5	10 g/l	500	CEA
Ti in HCl/HF tr	C061.5C05FP.L1	1 g/l	100	DK
Ti in HCl/HF tr	C061.5C05FP.L25	1 g/l	250	JA
Ti in HCl/HF tr	C061.5C05FP.L5	1 g/l	500	BCA
Ti in HCl/HF tr	C161.5C01FP.L1	10 g/l	100	JC
Ti in HCl/HF tr	C161.5C01FP.L25	10 g/l	250	BFF
Ti in HCl/HF tr	C161.5C01FP.L5	10 g/l	500	CEA
Ti in HNO ₃ /HF tr	C061.2N01FP.L1	1 g/l	100	DK
Ti in HNO ₃ /HF tr	C061.2N01FP.L25	1 g/l	250	JA
Ti in HNO ₃ /HF tr	C061.2N01FP.L5	1 g/l	500	BCA
Ti in HNO ₃ /HF tr	C161.2N01FP.L1	10 g/l	100	JC
Ti in HNO ₃ /HF tr	C161.2N01FP.L25	10 g/l	250	BFF
Ti in HNO ₃ /HF tr	C161.2N01FP.L5	10 g/l	500	CEA
Tl in HNO ₃	C062.2NP.L1	1 g/l	100	DH
Tl in HNO ₃	C062.2NP.L25	1 g/l	250	GF
Tl in HNO ₃	C062.2NP.L5	1 g/l	500	JF
Tl in HNO ₃	C162.5NP.L1	10 g/l	100	HA
Tl in HNO ₃	C162.5NP.L25	10 g/l	250	BAF
Tl in HNO ₃	C162.5NP.L5	10 g/l	500	BGF

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Tm in HNO ₃	C063.2NP.L1	1 g/l	100	HA
Tm in HNO ₃	C063.2NP.L25	1 g/l	250	BAH
Tm in HNO ₃	C063.2NP.L5	1 g/l	500	BGJ
Tm in HNO ₃	C163.3NP.L1	10 g/l	100	BDK
Tm in HNO ₃	C163.3NP.L25	10 g/l	250	CBD
Tm in HNO ₃	C163.3NP.L5	10 g/l	500	DDD
U in HNO ₃	C064.2NP.L1	1 g/l	100	HA
U in HNO ₃	C064.2NP.L25	1 g/l	250	BAH
U in HNO ₃	C064.2NP.L5	1 g/l	500	BGJ
U in HNO ₃	C164.5NP.L1	10 g/l	100	BDK
U in HNO ₃	C164.5NP.L25	10 g/l	250	CBD
U in HNO ₃	C164.5NP.L5	10 g/l	500	DDD
V in H ₂ SO ₄	C065.2SP.L1	1 g/l	100	DH
V in H ₂ SO ₄	C065.2SP.L25	1 g/l	250	GF
V in H ₂ SO ₄	C065.2SP.L5	1 g/l	500	JF
V in H ₂ SO ₄	C165.5SP.L1	10 g/l	100	HA
V in H ₂ SO ₄	C165.5SP.L25	10 g/l	250	BAF
V in H ₂ SO ₄	C165.5SP.L5	10 g/l	500	BGF
V in HNO ₃	C065.2NP.L1	1g/l	100	DH
V in HNO ₃	C065.2NP.L25	1 g/l	250	GF
V in HNO ₃	C065.2NP.L5	1 g/l	500	JF
V in HNO ₃	C165.5NP.L1	10 g/l	100	HA
V in HNO ₃	C165.5NP.L25	10 g/l	250	BAF
V in HNO ₃	C165.5NP.L5	10 g/l	500	BGF
W in HNO ₃ /HF tr	C066.1N2FP.L1	1 g/l	100	DK
W in HNO ₃ /HF tr	C066.1N2FP.L25	1 g/l	250	JA
W in HNO ₃ /HF tr	C066.1N2FP.L5	1 g/l	500	BCA
W in HNO ₃ /HF tr	C166.2N5FP.L1	10 g/l	100	JG
W in HNO ₃ /HF tr	C166.2N5FP.L25	10 g/l	250	BFF
W in HNO ₃ /HF tr	C166.2N5FP.L5	10 g/l	500	CEA
W in NH ₃	C066.4AP.L1	1 g/l	100	DK
W in NH ₃	C066.4AP.L25	1 g/l	250	JA
W in NH ₃	C066.4AP.L5	1 g/l	500	BCA
W in NH ₃	C166.10AP.L1	10 g/l	100	JC
W in NH ₃	C166.10AP.L25	10 g/l	250	BFF
W in NH ₃	C166.10AP.L5	10 g/l	500	CEA

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Y in HNO ₃	C067.2NP.L1	1 g/l	100	DK
Y in HNO ₃	C067.2NP.L25	1 g/l	250	JA
Y in HNO ₃	C067.2NP.L5	1 g/l	500	BCA
Y in HNO ₃	C167.3NP.L1	10 g/l	100	JC
Y in HNO ₃	C167.3NP.L25	10 g/l	250	BFF
Y in HNO ₃	C167.3NP.L5	10 g/l	500	CEA
Yb in HNO ₃	C068.2NP.L1	1 g/l	100	DK
Yb in HNO ₃	C068.2NP.L25	1 g/l	250	JA
Yb in HNO ₃	C068.2NP.L5	1 g/l	500	BCA
Yb in HNO ₃	C168.3NP.L1	10 g/l	100	JC
Yb in HNO ₃	C168.3NP.L25	10 g/l	250	BFF
Yb in HNO ₃	C168.3NP.L5	10 g/l	500	CEA
Zn in HCl	C069.2CP.L1	1 g/l	100	DH
Zn in HCl	C069.2CP.L25	1 g/l	250	GK
Zn in HCl	C069.2CP.L5	1 g/l	500	BAF
Zn in HCl	C169.5CP.L1	10 g/l	100	HA
Zn in HCl	C169.5CP.L25	10 g/l	250	BAF
Zn in HCl	C169.5CP.L5	10 g/l	500	BGF
Zn in HNO ₃	C069.2NP.L1	1 g/l	100	DH
Zn in HNO ₃	C069.2NP.L25	1 g/l	250	GF
Zn in HNO ₃	C069.2NP.L5	1 g/l	500	JF
Zn in HNO ₃	C169.5NP.L1	10 g/l	100	HA
Zn in HNO ₃	C169.5NP.L25	10 g/l	250	BAF
Zn in HNO ₃	C169.5NP.L5	10 g/l	500	BGF
Zr in HCl/HF tr	C070.5C05FP.L1	1 g/l	100	DK
Zr in HCl/HF tr	C070.5C05FP.L25	1 g/l	250	JA
Zr in HCl/HF tr	C070.5C05FP.L5	1 g/l	500	BCA
Zr in HCl/HF tr	C170.5C05FP.L1	10 g/l	100	JC
Zr in HCl/HF tr	C170.5C05FP.L25	10 g/l	250	BFF
Zr in HCl/HF tr	C170.5C05FP.L5	10 g/l	500	CEA
Zr in HNO ₃ /HF tr	C070.2N05FP.L1	1 g/l	100	DK
Zr in HNO ₃ /HF tr	C070.2N05FP.L25	1 g/l	250	JA
Zr in HNO ₃ /HF tr	C070.2N05FP.L5	1 g/l	500	BCA
Zr in HNO ₃ /HF tr	C170.2N05FP.L1	10 g/l	100	JC
Zr in HNO ₃ /HF tr	C170.2N05FP.L25	10 g/l	250	BFF
Zr in HNO ₃ /HF tr	C170.2N05FP.L5	10 g/l	500	CEA

MULTI-ELEMENT STANDARD SOLUTIONS FOR ICP

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
33 elements in HNO₃				
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,	M8A96.K1.5N.L05	100 mg/l	50	BDA
Co,Cr,Cs,Cu,Fe,In,K,Li,Mg	M8A96.K1.5N.L1	100 mg/l	100	BKF
Mn,Mo,Na,Ni,Nb,Pb,Rb,Sb, Se,Sr,Ti,Tl,U,V,Zn	M8A96.K1.5N.L5	100 mg/l	500	EGA
28 elements in HNO₃				
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,	MB56A.K1.5N.L05	100 mg/l	50	BBA
Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na	MB56A.K1.5N.L1	100 mg/l	100	BGF
Ni,Pb,Sb,Se,Sr,Ti,Tl,V,Zn	MB56A.K1.5N.L5	100 mg/l	500	DKA
22 elements in HNO₃				
As,Be,Bi,Ca,Cd,Co,Cr,Cu,	M52B5.K1.5N.L05	100 mg/l	50	BAF
Fe,Li,Mg,Mn,Mo,Ni,Pb,Sb,	M52B5.K1.5N.L1	100 mg/l	100	BFH
Se,Sr,Ti,Tl,V,Zn	M52B5.K1.5N.L5	100 mg/l	500	DGJ
5 elements in 10% HCl				
Hf,Sn,Ta,Te,Zr	BC8B.K1.10C.L05	100 mg/l	50	GA
	BC8B.K1.10C.L1	100 mg/l	100	KF
	BC8B.K1.10C.L5	100 mg/l	500	BJF

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
4 elements in 5% HNO₃	E1B22.10K.SN.L05		50	KF
Ca(10g/l), K(5g/l), Mg(2g/l), Na(5g/l)	E1B22.10K.SN.L01		100	BFA
	E1B22.10K.SN.L05		500	DFA
4 elements in 2% HNO₃	91C8.1K.2N.L05	1000 mg/l	50	FA
Ca, K, Mg, Na	91C8.1K.2N.L01	1000 mg/l	100	HF
	91C8.1K.2N.L5	1000 mg/l	500	BKA
2 elements in H₂O	F4AD.K1.W.L05	1000 mg/l	50	HA
P, S	F4AD.K1.W.L01	1000 mg/l	100	BAF
	F4AD.K1.W.L5	1000 mg/l	500	BGA
Solution precious metals	M397C.K1.10C.L05	100 mg/l	50	CGC
Au,Ir,Pd,Pt,Rh,Ru	M397C.K1.10C.L1	100 mg/l	100	EEF
in HCl	M397C.K1.10C.L5	100 mg/l	500	KKF

QUALITY CONTROL STANDARDS FOR ICP

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
QC Multi 22 in HNO₃				
As,Be,Bi,Ca,Cd,Co,Cr,Cu,	M52B5.1.5N.L05	1 mg/l	50	DA
Fe,Li,Mg,Mn,Mo,Ni,Pb,Sb,	M52B5.1.5N.L1	1 mg/l	100	EF
Se,Sr,Ti,Tl,V,Zn	M52B5.1.5N.L5	1 mg/l	500	KK
QC Multi 28 in HNO₃				
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,	MB56A.1.2N.L05	1 mg/l	50	EF
Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na	MB56A.1.2N.L1	1 mg/l	100	GA
Ni,Pb,Sb,Se,Sr,Ti,Tl,V,Zn	MB56A.1.2N.L5	1 mg/l	500	BFA
QC Multi 28 in HNO₃				
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,	MB56A.K2.2N.L05	0,2 mg/l	50	EF
Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na	MB56A.K2.2N.L1	0,2 mg/l	100	GA
Ni,Pb,Sb,Se,Sr,Ti,Tl,V,Zn	MB56A.K2.2N.L5	0,2 mg/l	500	BFA

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
QC Multi 33 in HNO₃				
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,	M8A96.1.5N.L05	1 mg/l	50	EF
Co,Cr,Cs,Cu,Fe,In,K,Li,Mg	M8A96.1.5N.L1	1 mg/l	100	GF
Mn,Mo,Na,Ni,Nb,Pb,Rb,Sb, Se,Sr,Ti,Tl,U,V,Zn	M8A96.1.5N.L5	1 mg/l	500	BGF
QC precious metals	M397C.1.2C.L05	1 mg/l	50	HA
in HCl	M397C.1.2C.L1	1 mg/l	100	BBF
Au,Ir,Pd,Pt,Rh,Ru	M397C.1.2C.L5	1 mg/l	500	CBC
Hg in HNO₃	ESD0BC.K5.5N.L05	500 µg/l	50	EA
	ESD0BC.K5.5N.L1	500 µg/l	100	HA
	ESD0BC.K5.5N.L5	500 µg/l	500	BHF

INTERNAL STANDARDS FOR ICP

SOLUTION	CODE	VOLUME in ml	PRICE
For ICP VARIAN			
Cs(1 %) + Ge(1 mg/l)	ESDEE.10K.2N.L2	100	JA
+ Rb(50 mg/l) + Y(1 mg/l) in HNO ₃	ESDEE.10K.2N.L25	250	BCA

SOLUTION	CODE	VOLUME in ml	PRICE
For ICP Perkin Elmer			
In(500 mg/l) + Sc(500 mg/l)	2BC6.500.2N.L1	100	KF
+ Yb (500 mg/l) in HNO ₃	2BC6.500.2N.L25	250	BEA

REFERENCE MATERIAL FOR MEASUREMENT OF ELEMENTS IN WATER

SOLUTION	CODE	VOLUME in ml	PRICE	SOLUTION	CODE	VOLUME in ml	PRICE
CRM CPA water 1	QCCPAWater1.L1	1 bottle of de 100 ml	EG	CRM CPA water 3	CPAWater3.4L1	4 bottles of 100 ml	BFD
CRM CPA water 1	QCCPAWater1.4L1	4 bottles of de 100 ml	BEJ	CRM CPA water 4	CPAWater4.L1	1 bottle of 100 ml	FA
CRM CPA water 2	QCCPAWater2.L1	1 bottle of de 100 ml	EG	CRM CPA water 4	CPAWater4.4L1	4 bottles of 100 ml	BGA
CRM CPA water 2	QCCPAWater2.4L1	4 bottles of de 100 ml	BEJ	CRM CPA water 5	CPAWater5.L1	1 bottle of 100 ml	GA
CRM CPA water 3	CPAWater3.L1	1 bottle of de 100 ml	EG	CRM CPA water 5	CPAWater5.4L1	4 bottles of 100 ml	BKC

- Solutions of 33 elements obtained from starting materials of high purity (99.999%) ultrapure water and acids.
- Certified values are calculated according to gravimetric procedures.
- Used starting materials are traceable to NIST reference materials.
- All solutions are in HNO₃ medium.
- CRM CPA 5 is supplied in 2 bottles (P + S in 1 separate bottle).

ELEMENTS	CRM CPA WATER 1	CRM CPA WATER 2	CRM CPA WATER 3	CRM CPA WATER 4	CRM CPA WATER 5
	Concentration µg/l	Concentration µg/l	Concentration µg/l	Concentration µg/l	Concentration µg/l
Ca	1 000 ± 5	10 000 ± 80	100 000 ± 800	1 000 000 ± 8 000	2 000 000 ± 16 000
Mg	200 ± 2	2 000 ± 15	20 000 ± 150	200 000 ± 1 500	400 000 ± 3 000
Na	500 ± 3	5 000 ± 30	5 000 ± 30	50 000 ± 300	100 000 ± 1 000
K	500 ± 4	5 000 ± 40	5 000 ± 40	50 000 ± 400	100 000 ± 800
P	500 ± 9	5 000 ± 40	5 000 ± 40	50 000 ± 400	100 000 ± 800
S	2 000 ± 22	20 000 ± 200	20 000 ± 200	200 000 ± 2 000	400 000 ± 4 000
Si	1 000 ± 5	10 000 ± 50	10 000 ± 50	100 000 ± 500	200 000 ± 1 000
Al	5 ± 0,05	50 ± 0,3	50 ± 0,3	500 ± 3	1 000 ± 6
Ag	5 ± 0,05	50 ± 0,5	50 ± 0,5	500 ± 5	1 000 ± 10
As	10 ± 0,1	100 ± 1	100 ± 1	1 000 ± 10	2 000 ± 20
B	50 ± 0,4	500 ± 3	500 ± 3	5 000 ± 30	10 000 ± 60
Ba	5 ± 0,07	50 ± 0,5	50 ± 0,5	500 ± 5	1 000 ± 10
Be	2 ± 0,04	20 ± 0,4	20 ± 0,4	200 ± 4	400 ± 8
Bi	10 ± 0,1	100 ± 2	100 ± 2	1 000 ± 20	2 000 ± 40
Cd	0,5 ± 0,01	5 ± 0,06	5 ± 0,06	50 ± 0,6	100 ± 1,2
Co	2 ± 0,04	20 ± 0,4	20 ± 0,4	200 ± 4	400 ± 8
Cr	2 ± 0,04	20 ± 0,15	20 ± 0,15	200 ± 2	400 ± 4
Cu	5 ± 0,05	50 ± 0,3	50 ± 0,3	500 ± 3	1 000 ± 6
Fe	10 ± 0,1	100 ± 2	100 ± 2	1 000 ± 20	2 000 ± 40
Li	50 ± 0,9	500 ± 3	500 ± 3	5 000 ± 30	10 000 ± 60
Mn	2 ± 0,04	20 ± 0,1	20 ± 0,1	200 ± 1	400 ± 2
Mo	5 ± 0,05	50 ± 0,3	50 ± 0,3	500 ± 3	1 000 ± 6
Ni	5 ± 0,05	50 ± 0,3	50 ± 0,3	500 ± 3	1 000 ± 6
Pb	5 ± 0,05	50 ± 0,5	50 ± 0,5	500 ± 5	1 000 ± 10
Sb	10 ± 0,25	100 ± 1,5	100 ± 1,5	1 000 ± 15	2 000 ± 30
Se	10 ± 0,1	100 ± 1,5	100 ± 1,5	1 000 ± 15	2 000 ± 30
Sr	5 ± 0,05	50 ± 0,5	50 ± 0,5	500 ± 5	1 000 ± 10
Ti	2 ± 0,04	20 ± 0,5	20 ± 0,5	200 ± 5	400 ± 10
Tl	10 ± 0,22	100 ± 2	100 ± 2	1 000 ± 20	2 000 ± 40
V	5 ± 0,05	50 ± 0,3	50 ± 0,3	500 ± 3	1 000 ± 6
Zn	10 ± 0,15	100 ± 1,5	100 ± 1,5	1 000 ± 15	2 000 ± 30



ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Ag in HNO ₃	M301.2NP.L1	100 mg/l	100	EA
Ag in HNO ₃	M401.2NP.L05	10 mg/l	50	DD
Ag in HNO ₃	M401.2NP.L1	10 mg/l	100	EK
Al in HNO ₃	M302.2NP.L1	100 mg/l	100	EA
Al in HNO ₃	M402.2NP.L05	10 mg/l	50	DD
Al in HNO ₃	M402.2NP.L1	10 mg/l	100	EK
As in HNO ₃	M303.2NP.L1	100 mg/l	100	EA
As in HNO ₃	M403.2NP.L05	10 mg/l	50	DD
As in HNO ₃	M403.2NP.L1	10 mg/l	100	EK
Au in HCl	M304.2CP.L1	100 mg/l	100	HA
Au in HCl	M404.2CP.L05	10 mg/l	50	EA
Au in HCl	M404.2CP.L1	10 mg/l	100	EK
B in H ₂ O	M305.W.L1	100 mg/l	100	EA
B in H ₂ O	M405.W.L05	10 mg/l	50	DD
B in H ₂ O	M405.W.L1	10 mg/l	100	EK
Ba in HNO ₃	M306.2NP.L1	100 mg/l	100	EA
Ba in HNO ₃	M406.2NP.L05	10 mg/l	50	DD
Ba in HNO ₃	M406.2NP.L1	10 mg/l	100	EK
Be in HNO ₃	M307.2NP.L05	100 mg/l	50	EA
Be in HNO ₃	M407.2NP.L05	10 mg/l	50	DD
Be in HNO ₃	M407.2NP.L1	10 mg/l	100	EK
Bi in HNO ₃	M308.2NP.L1	100 mg/l	100	EA
Bi in HNO ₃	M408.2NP.L05	10 mg/l	50	DD
Bi in HNO ₃	M408.2NP.L1	10 mg/l	100	EK
Ca in HNO ₃	M309.2NP.L1	100 mg/l	100	EA
Ca in HNO ₃	M409.2NP.L05	10 mg/l	50	DD
Ca in HNO ₃	M409.2NP.L1	10 mg/l	100	EK
Cd in HNO ₃	M310.2NP.L1	100 mg/l	100	EA
Cd in HNO ₃	M410.2NP.L05	10 mg/l	50	DD
Cd in HNO ₃	M410.2NP.L1	10 mg/l	100	EK
Ce in HNO ₃	M311.2NP.L1	100 mg/l	100	EA
Ce in HNO ₃	M411.2NP.L05	10 mg/l	50	DD
Ce in HNO ₃	M411.2NP.L1	10 mg/l	100	EK
Co in HNO ₃	M312.2NP.L1	100 mg/l	100	EA
Co in HNO ₃	M412.2NP.L05	10 mg/l	50	DD
Co in HNO ₃	M412.2NP.L1	10 mg/l	100	EK
Cr in HNO ₃	M313.2NP.L1	100 mg/l	100	EA

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Cr in HNO ₃	M413.2NP.L05	10 mg/l	50	DD
Cr in HNO ₃	M413.2NP.L1	10 mg/l	100	EK
Cs in HNO ₃	M314.2NP.L1	100 mg/l	100	EA
Cs in HNO ₃	M414.2NP.L05	10 mg/l	50	DD
Cs in HNO ₃	M414.2NP.L1	10 mg/l	100	EK
Cu in HNO ₃	M315.2NP.L1	100 mg/l	100	EA
Cu in HNO ₃	M415.2NP.L05	10 mg/l	50	DD
Cu in HNO ₃	M415.2NP.L1	10 mg/l	100	EK
Dy in HNO ₃	M316.2NP.L1	100 mg/l	100	FA
Dy in HNO ₃	M416.2NP.L05	10 mg/l	50	DD
Dy in HNO ₃	M416.2NP.L1	10 mg/l	100	EK
Er in HNO ₃	M317.2NP.L1	100 mg/l	100	FA
Er in HNO ₃	M417.2NP.L05	10 mg/l	50	DD
Er in HNO ₃	M417.2NP.L1	10 mg/l	100	EK
Eu in HNO ₃	M318.2NP.L1	100 mg/l	100	FA
Eu in HNO ₃	M418.2NP.L05	10 mg/l	50	DD
Eu in HNO ₃	M418.2NP.L1	10 mg/l	100	EK
Fe in HNO ₃	M319.2NP.L1	100 mg/l	100	EA
Fe in HNO ₃	M419.2NP.L05	10 mg/l	50	DD
Fe in HNO ₃	M419.2NP.L1	10 mg/l	100	EK
Ga in HNO ₃	M320.2NP.L1	100 mg/l	100	FA
Ga in HNO ₃	M420.2NP.L05	10 mg/l	50	DD
Ga in HNO ₃	M420.2NP.L1	10 mg/l	100	EK
Gd in HNO ₃	M321.2NP.L1	100 mg/l	100	FA
Gd in HNO ₃	M421.2NP.L05	10 mg/l	50	DD
Gd in HNO ₃	M421.2NP.L1	10 mg/l	100	EK
Ge in HNO ₃ /HF tr	M322.2N02FP.L1	100 mg/l	100	FA
Ge in HNO ₃ /HF tr	M422.2N02FP.L05	10 mg/l	50	DD
Ge in HNO ₃ /HF tr	M422.2N02FP.L1	10 mg/l	100	EK
Hf in HNO ₃ /HF tr	M323.2N05FP.L1	100 mg/l	100	FA
Hf in HNO ₃ /HF tr	M423.2N05FP.L05	10 mg/l	50	DD
Hf in HNO ₃ /HF tr	M423.2N05FP.L1	10 mg/l	100	EK
Hg in HNO ₃	M324.5NP.L1	100 mg/l	100	EA
Hg in HNO ₃	M424.5NP.L05	10 mg/l	50	DD
Hg in HNO ₃	M424.5NP.L1	10 mg/l	100	EK
Ho in HNO ₃	M325.2NP.L1	100 mg/l	100	FA
Ho in HNO ₃	M425.2NP.L05	10 mg/l	50	DD

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Ho in HNO ₃	M425.2NP.L1	10 mg/l	100	EK
In in HNO ₃	M326.2NP.L1	100 mg/l	100	EC
In in HNO ₃	M426.2NP.L05	10 mg/l	50	DD
In in HNO ₃	M426.2NP.L1	10 mg/l	100	EK
Ir in HNO ₃	M327.2CP.L1	100 mg/l	100	JA
Ir in HCl	M427.2CP.L05	10 mg/l	50	DD
Ir in HCl	M427.2CP.L1	10 mg/l	100	EK
K in HNO ₃	M328.2NP.L1	100 mg/l	100	EA
K in HNO ₃	M428.2NP.L05	10 mg/l	50	DD
K in HNO ₃	M428.2NP.L1	10 mg/l	100	EK
La in HNO ₃	M329.2NP.L1	100 mg/l	100	EA
La in HNO ₃	M429.2NP.L05	10 mg/l	50	DD
La in HNO ₃	M429.2NP.L1	10 mg/l	100	EK
Li in HNO ₃	M330.2NP.L1	100 mg/l	100	EA
Li in HNO ₃	M430.2NP.L05	10 mg/l	50	DD
Li in HNO ₃	M430.2NP.L1	10 mg/l	100	EK
Lu in HNO ₃	M331.2NP.L1	100 mg/l	100	HF
Lu in HNO ₃	M431.2NP.L05	10 mg/l	50	DD
Lu in HNO ₃	M431.2NP.L1	10 mg/l	100	EK
Mg in HNO ₃	M332.2NP.L1	100 mg/l	100	EA
Mg in HNO ₃	M432.2NP.L05	10 mg/l	50	DD
Mg in HNO ₃	M432.2NP.L1	10 mg/l	100	EK
Mn in HNO ₃	M333.2NP.L1	100 mg/l	100	EA
Mn in HNO ₃	M433.2NP.L05	10 mg/l	50	DD
Mn in HNO ₃	M433.2NP.L1	10 mg/l	100	EK
Mo in H ₂ O	M334.W.L1	100 mg/l	100	EA
Mo in H ₂ O	M434.W.L05	10 mg/l	50	DD
Mo in H ₂ O	M434.W.L1	10 mg/l	100	EK
Na in HNO ₃	M335.2NP.L1	100 mg/l	100	EA
Na in HNO ₃	M435.2NP.L05	10 mg/l	50	DD
Na in HNO ₃	M435.2NP.L1	10 mg/l	100	EK
Nb in HNO ₃ /HF tr	M336.2N05FP.L1	100 mg/l	100	EA
Nb in HNO ₃ /HF tr	M436.2N05FP.L05	10 mg/l	50	DD
Nb in HNO ₃ /HF tr	M436.2N05FP.L1	10 mg/l	100	EK
Nd in HNO ₃	M337.2NP.L1	100 mg/l	100	FA
Nd in HNO ₃	M437.2NP.L05	10 mg/l	50	DD
Nd in HNO ₃	M437.2NP.L1	10 mg/l	100	EK
Ni in HNO ₃	M338.2NP.L1	100 mg/l	100	EA
Ni in HNO ₃	M438.2NP.L05	10 mg/l	50	DD
Ni in HNO ₃	M438.2NP.L1	10 mg/l	100	EK
P in H ₂ O	M340.W.L1	100 mg/l	100	EA
P in H ₂ O	M440.W.L05	10 mg/l	50	DD
P in H ₂ O	M440.W.L1	10 mg/l	100	EK

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Pb in HNO ₃	M341.2NP.L1	100 mg/l	100	EA
Pb in HNO ₃	M441.2NP.L05	10 mg/l	50	DD
Pb in HNO ₃	M441.2NP.L1	10 mg/l	100	EK
Pd in HNO ₃	M342.2NP.L1	100 mg/l	100	JA
Pd in HNO ₃	M442.2NP.L05	10 mg/l	50	DD
Pd in HNO ₃	M442.2NP.L1	10 mg/l	100	EK
Pr in HNO ₃	M343.2NP.L1	100 mg/l	100	FA
Pr in HNO ₃	M443.2NP.L05	10 mg/l	50	DD
Pr in HNO ₃	M443.2NP.L1	10 mg/l	100	EK
Pt in HCl	M344.2CP.L1	100 mg/l	100	JA
Pt in HCl	M444.2CP.L05	10 mg/l	50	DD
Pt in HCl	M444.2CP.L1	10 mg/l	100	EK
Rb in HNO ₃	M345.2NP.L1	100 mg/l	100	EA
Rb in HNO ₃	M445.2NP.L05	10 mg/l	50	DD
Rb in HNO ₃	M445.2NP.L1	10 mg/l	100	EK
Re in HNO ₃	M346.2NP.L1	100 mg/l	100	HA
Re in HNO ₃	M446.2NP.L03	10 mg/l	50	DD
Re in HNO ₃	M446.2NP.L1	10 mg/l	100	EK
Rh in HCl	M347.2CP.L1	100 mg/l	100	BAA
Rh in HCl	M447.2CP.L05	10 mg/l	50	DD
Rh in HCl	M447.2CP.L1	10 mg/l	100	EK
Ru in HCl	M348.2CP.L1	100 mg/l	100	JA
Ru in HCl	M448.2CP.L05	10 mg/l	50	DD
Ru in HCl	M448.2CP.L1	10 mg/l	100	EK
S in H ₂ O	M349.W.L1	100 mg/l	100	EA
S in H ₂ O	M449.W.L05	10 mg/l	50	DD
S in H ₂ O	M449.W.L1	10 mg/l	100	EK
Sb in HNO ₃ /HF tr	M350.2N05FP.L1	100 mg/l	100	EA
Sb in HNO ₃ /HF tr	M450.2N05FP.L05	10 mg/l	50	DD
Sb in HNO ₃ /HF tr	M450.2N05FP.L1	10 mg/l	100	EK
Sc in HNO ₃	M351.2NP.L1	100 mg/l	100	GA
Sc in HNO ₃	M451.2NP.L05	10 mg/l	50	DD
Sc in HNO ₃	M451.2NP.L1	10 mg/l	100	EK
Se in HNO ₃	M352.2NP.L1	100 mg/l	100	EA
Se in HNO ₃	M452.2NP.L05	10 mg/l	50	DD
Se in HNO ₃	M452.2NP.L1	10 mg/l	100	EK
Si in H ₂ O	M353.W.L1	100 mg/l	100	EA
Si in H ₂ O	M453.W.L05	10 mg/l	50	DD
Si in H ₂ O	M453.W.L1	10 mg/l	100	EK
Sm in HNO ₃	M354.2NP.L1	100 mg/l	100	FA
Sm in HNO ₃	M454.2NP.L05	10 mg/l	50	DD
Sm in HNO ₃	M454.2NP.L1	10 mg/l	100	EK
Sn in HNO ₃ /HF tr	M355.1N05FP.L1	100 mg/l	100	EA

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Sn in HNO ₃ /HF tr	M455.1N05FP.L05	10 mg/l	50	DD
Sn in HNO ₃ /HF tr	M455.1N05FP.L1	10 mg/l	100	EK
Sr in HNO ₃	M356.2NP.L1	100 mg/l	100	EA
Sr in HNO ₃	M456.2NP.L05	10 mg/l	50	DD
Sr in HNO ₃	M456.2NP.L1	10 mg/l	100	EK
Ta in HNO ₃ /HF tr	M357.2N05FP.L1	100 mg/l	100	FA
Ta in HNO ₃ /HF tr	M457.2N05FP.L05	10 mg/l	50	DD
Ta in HNO ₃ /HF tr	M457.2N05FP.L1	10 mg/l	100	EK
Tb in HNO ₃	M358.2NP.L1	100 mg/l	100	FA
Tb in HNO ₃	M458.2NP.L05	10 mg/l	50	DD
Tb in HNO ₃	M458.2NP.L1	10 mg/l	100	EK
Te in HNO ₃	M359.2NP.L1	100 mg/l	100	FA
Te in HNO ₃	M459.2NP.L05	10 mg/l	50	DD
Te in HNO ₃	M459.2NP.L1	10 mg/l	100	EK
Th in HNO ₃	M360.2NP.L1	100 mg/l	100	FA
Th in HNO ₃	M460.2NP.L05	10 mg/l	50	DD
Th in HNO ₃	M460.2NP.L1	10 mg/l	100	EK
Ti in HNO ₃ /HF tr	M361.2N02FP.L1	100 mg/l	100	EA
Ti in HNO ₃ /HF tr	M461.2N02FP.L05	10 mg/l	50	DD
Ti in HNO ₃ /HF tr	M461.2N02FP.L1	10 mg/l	100	EK
Tl in HNO ₃	M362.2NP.L1	100 mg/l	100	EA
Tl in HNO ₃	M462.2NP.L05	10 mg/l	50	DD
Tl in HNO ₃	M462.2NP.L1	10 mg/l	100	EK
Tm in HNO ₃	M363.2NP.L1	100 mg/l	100	GA

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Tm in HNO ₃	M463.2NP.L05	10 mg/l	50	DD
Tm in HNO ₃	M463.2NP.L1	10 mg/l	100	EK
U in HNO ₃	M364.2NP.L1	100 mg/l	100	FA
U in HNO ₃	M464.2NP.L05	10 mg/l	50	DD
U in HNO ₃	M464.2NP.L1	10 mg/l	100	EK
V in HNO ₃	M365.2NP.L1	100 mg/l	100	EA
V in HNO ₃	M465.2NP.L05	10 mg/l	50	DD
V in HNO ₃	M465.2NP.L1	10 mg/l	100	EK
W in NH ₄ OH	M366.W.L1	100 mg/l	100	GJ
W in NH ₄ OH	M466.W.L05	10 mg/l	50	DD
W in NH ₄ OH	M466.W.L1	10 mg/l	100	EK
Y in HNO ₃	M367.2NP.L1	100 mg/l	100	FA
Y in HNO ₃	M467.2NP.L05	10 mg/l	50	DD
Y in HNO ₃	M467.2NP.L1	10 mg/l	100	EK
Yb in HNO ₃	M368.2NP.L1	100 mg/l	100	FA
Yb in HNO ₃	M468.2NP.L05	10 mg/l	50	DD
Yb in HNO ₃	M468.2NP.L1	10 mg/l	100	EK
Zn in HNO ₃	M369.2NP.L1	100 mg/l	100	EA
Zn in HNO ₃	M469.2NP.L05	10 mg/l	50	DD
Zn in HNO ₃	M469.2NP.L1	10 mg/l	100	EK
Zr in HNO ₃ /HF tr	M370.2N05FP.L1	100 mg/l	100	FA
Zr in HNO ₃ /HF tr	M470.2N05FP.L05	10 mg/l	50	DD
Zr in HNO ₃ /HF tr	M470.2N05FP.L1	10 mg/l	100	EK

MULTI-ELEMENT CALIBRATING SOLUTIONS FOR ICP-MS

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
Multi 31 elements in HNO₃	MSE194.10.2N.L05	10 mg/l	50	BEA
Ag,Al,As,B,Ba,Cd,Ce,Co,Cr,Cu	MSE194.10.2N.L1	10 mg/l	100	CBA
Dy,Er,Gd,Ho,La,Li,Lu,Mn,Nd,Ni	MSE194.10.2N.L25	10 mg/l	250	DBF
P,Pb,Rb,Se,Sm,Sr,Tl,Tm,U,V,Zn				
Multi 18 elements in HNO₃	MSBEDC.10.2N.L05	10 mg/l	50	BAA
Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu	MSBEDC.10.2N.L1	10 mg/l	100	BFA
Mn,Ni,Pb,Se,Th,Tl,U,V,Zn	MSBEDC.10.2N.L25	10 mg/l	250	CCF
Multi precious metals in HCl	MS8675.10.10C.L05	10 mg/l	50	EF
Ir,Pd,Pt,Ru	MS8675.10.10C.L1	10 mg/l	100	GF
	MS8675.10.10C.L25	10 mg/l	250	KJ

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
Multi 8 elements in HNO₃/HF tr	MSBD60.10.2N01F.L05	10 mg/l	50	FE
Ge,Hf,Mo,Sb,Sn,Te,W,Zr	MSBD60.10.2N01F.L1	10 mg/l	100	JA
	MSBD60.10.2N01F.L25	10 mg/l	250	BCA
Multi 5 elements in HNO₃	MS13BF.1K.2N.L05	1000 mg/l	50	FF
Ca,Fe,K,Mg,Na	MS13BK.1K.2N.L1	1000 mg/l	100	HF
	MS13BF.1K.2N.L25	1000 mg/l	250	BKA
Multi 4 elements in HNO₃	MS91C8.1K.2N.L05	1000 mg/l	50	FA
Ca,K,Mg,Na	MS91C8.1K.2N.L1	1000 mg/l	100	HF
	MS91C8.1K.2N.L25	1000 mg/l	250	BKA
Mono-element in HNO₃	MSD0BC.1.2N.L05	1mg/l	50	EF
Hg	MSD0BC.1.2N.L1	1mg/l	100	GJ
	MSD0BC.1.2N.L25	1mg/l	250	KA

MULTI-ELEMENT QUALITY CONTROL SOLUTIONS

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
QC-MS Multi 31 elements in HNO ₃ Ag,Al,As,Ba,B,Cd,Ce,Co,Cr,Cu Dy,Er,Gd,Ho,La,Li,Lu,Mn,Nd,Ni P,Pb,Rb,Se,Sm,Sr,Tl,Tm,U,V,Zn	MSE194.D01.1N.L1	0,01 mg/l	100	BFA
	MSE194.D01.1N.L25	0,01 mg/l	250	CCA
	MSE194.D01.1N.L5	0,01 mg/l	500	DEA
QC-MS Multi 18 elements in HNO ₃ Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu Mn,Ni,Pb,Se,Th,Tl,U,V,Zn	MSBEDC.D01.1N.L1	0,01 mg/l	100	BDA
	MSBEDC.D01.1N.L25	0,01 mg/l	250	BKA
	MSBEDC.D01.1N.L5	0,01 mg/l	500	CKA
QC-MS Multi 8 elements in HNO ₃ Ge,Hf,Mo,Sb,Sn,Te,W,Zr	MSBD60.D01.2N.L1	0,01 mg/l	100	JF
	MSBD60.D01.2N.L25	0,01 mg/l	250	BBF
	MSBD60.D01.2N.L5	0,01 mg/l	500	BJF
QC-MS Multi 5 elements in HNO ₃ Ca,Fe,K,Mg,Na	MS13BF.D1.2N.L1	0,1 mg/l	100	GA
	MS13BF.D1.2N.L25	0,1 mg/l	250	KA
	MS13BF.D1.2N.L5	0,1 mg/l	500	BBA

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
QC-MS Multi 4 elements in HNO ₃ Ca,K,Mg,Na	MS91C8.D1.2N.L1	0,1 mg/l	100	EH
	MS91C8.D1.2N.L25	0,1 mg/l	250	HB
	MS91C8.D1.2N.L5	0,1 mg/l	500	BAF
QC-MS Multi 2 elements in HNO ₃ Mo,Sb	MS1693.D01.2N.L1	0,01 mg/l	100	EA
	MS1693.D01.2N.L25	0,01 mg/l	250	GA
	MS1693.D01.2N.L5	0,01 mg/l	500	KA
QC Mono element in HNO ₃ Hg	MSD0BC.D01.2N.L05	0,01 mg/l	100	FA
	MSD0BC.D01.2N.L1	0,01 mg/l	250	HF
	MSD0BC.D01.2N.L25	0,01 mg/l	500	KF
QC-MS Multi precious metals in HCl Ir,Pd,Pt,Ru	MS8675.D01.2C.L1	0,01 mg/l	100	GF
	MS8675.D01.2C.L25	0,01 mg/l	250	BAA
	MS8675.D01.2C.L5	0,01 mg/l	500	BHA

TUNING SOLUTION

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
13 elements in HNO ₃ Ba,Be,Bi,Ce,Cu,Co,In,Li, Mg,Pb,Tl,U,Y	MS9ABF.10.2N.L1	10 mg/l	100	BEG
	MS9ABF.10.2N.L25	10 mg/l	250	CBK
12 elements in HNO ₃ Ba,Be,Ce,Co,In,Li,Mg,Pb, Rh,Tl,U,Y	MS2047.10.2N.L1	10 mg/l	100	BEA
	MS2047.10.2N.L25	10 mg/l	250	CBA
9 elements in HNO ₃ Ba,Be,Ce,Co,In,Mg,Pb,Tl,Th	MSF973.10.2N.L1	10 mg/l	100	BBG
	MSF973.10.2N.L25	10 mg/l	250	BJC
9 elements in HNO ₃ Ba,Be,Ce,Co,In,Mg,Pb,Rh,U	MS8AC1.10.2N.L1	10 mg/l	100	BBG
	MS8AC1.10.2N.L25	10 mg/l	250	BHE

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
8 elements in HNO ₃ Ba,Be,Cu,In,Li,Mg,Tl,U	MSF5AA.10.2N.L1	10 mg/l	100	BAG
	MSF5AA.10.2N.L25	10 mg/l	250	BFK
5 elements in HNO ₃ Be,Co,In,Mg,Pb	MS448B.10.2N.L1	10 mg/l	100	HA
	MS448B.10.2N.L25	10 mg/l	250	BAF
4 elements in HNO ₃ Ce,Li,Tl,Y	MS4C39.10.2N.L1	10 mg/l	100	FG
	MS4C39.10.2N.L25	10 mg/l	250	JE
4 elements in HNO ₃ Co,In,Li,Tl	MS5EAF.10.2N.L1	10 mg/l	100	FG
	MS5EAF.10.2N.L25	10 mg/l	250	JE

PLASMA SET UP SOLUTIONS

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
9 elements in HNO ₃ Ba,Ce,Cu, In,La,Mg,Pb,Rh,U	MS4FAF.D01.1N.L5	0,01 mg/l	500	KA
9 elements in HNO ₃ Ba,Cd,Ce,Cu, In,Mg,Pb,Rh,U	MSB3B8.D01.1N.L5	0,01 mg/l	500	JA

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
13 elements in HNO ₃ Al,B,Ba,Cd,Ce,Cr,Cu,In,Mg, Mn,Pb,Rh,Th	MS9562.D01.05N.L5	0,01 mg/l	500	BBA

DETECTION LIMIT STANDARDS

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE	SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
4 elements in HNO ₃ Be,Co,In,U	MS29A0.D01.1N.L25	0,01 mg/l	250	KA	13 elements in HNO ₃ Ba,Be,Ca,Ce,Co,Fe,In,K,Mg, Na,Pb,Rh,U	MSB915.D001.05N.L25	0,001 mg/l	250	KA
	MS29A0.D01.1N.L5	0,01 mg/l	500	BDF		MSB915.D001.05N.L5	0,001 mg/l	500	BDF

BLANKS AND DILUTION MATRICES

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE	SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
Blank H ₂ O	MS6469.0.W.L5	H ₂ O	500	FA	Wash solution	MSW.05N.2L5	0,5 % HNO ₃	1000	GJ
Blank H ₂ O	MS6469.0.W.2L5	H ₂ O	1000	HF	Dilution matrix	MSW.5N.L5	5 % HNO ₃	500	FF
Wash solution	MSW.05N.L5	0,5 % HNO ₃	500	EF	Dilution matrix	MSW.5N.2L5	5 % HNO ₃	1000	JA

INTERNAL STANDARDS SOLUMASS™ FOR ICP-MS

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE	SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
Au in HCl	MSA965.K1.2C.L1	100 mg/l	100	HA	Pr in HNO ₃	MSDE98.K1.2N.L1	100 mg/l	100	FA
Be in HNO ₃	MS6925.1K.2N.L1	100 mg/l	100	EA	Re in HNO ₃	MSAAE4.K1.2N.L1	100 mg/l	100	HA
Bi in HNO ₃	MS3926.K1.2N.L1	100 mg/l	100	EA	Rh in HCl	MS06E6.K1.2C.L1	100 mg/l	100	BAA
Cs in HNO ₃	MSE11C.K1.2N.L1	100 mg/l	100	EA	Sc in HNO ₃	MSE2D9.K1.2N.L1	100 mg/l	100	GA
Eu in HNO ₃	MS6994.K1.2N.L1	100 mg/l	100	FA	Tb in HNO ₃	MSDE6D.K1.2N.L1	100 mg/l	100	FA
Ga in HNO ₃	MS59E8.1K.2N.L1	100 mg/l	100	FA	Th in HNO ₃	MS066E.K1.2N.L1	100 mg/l	100	FA
Ge in HNO ₃ /HF tr.	MS69E9.K1.2N.L1	100 mg/l	100	FA	Y in HNO ₃	MS1837.K1.2N.L1	100 mg/l	100	FA
In in HNO ₃	MS8C82.K1.2N.L1	100 mg/l	100	EC	Yb in HNO ₃	MS1F40.K1.2N.L1	100 mg/l	100	FA
Ho in HNO ₃	MSB0BE.K1.2N.L1	100 mg/l	100	FA					

SPECIATION STANDARDS

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE	SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
As 3 ⁺ in NaOH/NaCl	SP371.05O01NC.L1	100 mg/l	100	EA	Cr 3 ⁺ in HNO ₃	SP173.5N.L1	10 000 mg/l	100	HA
As 3 ⁺ in NaOH/NaCl	SP071.05O01NC.L1	1000 mg/l	100	FA	Cr 6 ⁺ in H ₂ O	SP374.W.L1	100 mg/l	100	EA
As 5 ⁺ in H ₂ O	SP372.W.L1	100 mg/l	100	EA	Cr 6 ⁺ in H ₂ O	SP074.W.L1	1000 mg/l	100	FA
As 5 ⁺ in H ₂ O	SP072.W.L1	1000 mg/l	100	FA	Se 4 ⁺ in HNO ₃	SP375.2N.L1	100 mg/l	100	EA
Cr 3 ⁺ in HNO ₃	SP473.5N.L1	10 mg/l	100	DA	Se 4 ⁺ in HNO ₃	SP075.2N.L1	1000 mg/l	100	FA
Cr 3 ⁺ in HNO ₃	SP373.5N.L1	100 mg/l	100	EA	Se 6 ⁺ in tr.HNO ₃	SP376.01N.L1	100 mg/l	100	EA
Cr 3 ⁺ in HNO ₃	SP073.5N.L1	1000 mg/l	100	EE	Se 6 ⁺ in tr.HNO ₃	SP076.01N.L1	1000 mg/l	100	FA



ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Acetate <i>in H₂O</i>	H016.W.L1	1000 mg/l	100	FD
	H016.W.L25	1000 mg/l	250	HE
	H016.W.L5	1000 mg/l	500	BAF
Ammonium <i>in H₂O</i>	H011.W.L1	1000 mg/l	100	DK
	H011.W.L25	1000 mg/l	250	GA
	H011.W.L5	1000 mg/l	500	JF
Ammonium as N <i>in H₂O</i>	H031.W.L1	1000 mg/l	100	EE
	H031.W.L25	1000 mg/l	250	GA
	H031.W.L5	1000 mg/l	500	JF
Barium <i>in H₂O</i>	H022.W.L1	1000 mg/l	100	DK
	H022.W.L25	1000 mg/l	250	GA
	H022.W.L5	1000 mg/l	500	JF
Benzoate <i>in H₂O</i>	H030.W.L1	1000 mg/l	100	FD
	H030.W.L25	1000 mg/l	250	HE
	H030.W.L5	1000 mg/l	500	BAF
Bromate (BrO ₃ ⁻) <i>in H₂O</i>	H020.W.L1	1000 mg/l	100	FD
	H020.W.L25	1000 mg/l	250	HE
	H020.W.L5	1000 mg/l	500	BAF
Bromide (Br ⁻) <i>in H₂O</i>	H001.W.L1	1000 mg/l	100	DK
	H001.W.L25	1000 mg/l	250	HE
	H001.W.L5	1000 mg/l	500	BAF
Calcium <i>in H₂O</i>	H002.W.L1	1000 mg/l	100	DK
	H002.W.L25	1000 mg/l	250	GA
	H002.W.L5	1000 mg/l	500	JF
Cesium <i>in H₂O</i>	H027.W.L1	1000 mg/l	100	EF
	H027.W.L25	1000 mg/l	250	GK
	H027.W.L5	1000 mg/l	500	BAF
Chlorate (ClO ₃ ⁻) <i>in H₂O</i>	H025.W.L1	1000 mg/l	100	FD
	H025.W.L25	1000 mg/l	250	HE
	H025.W.L5	1000 mg/l	500	BAF
Chloride (Cl ⁻) <i>in H₂O</i>	H028.01O.L1	1000 mg/l	100	DK
	H028.01O.L25	1000 mg/l	250	GA
	H028.01O.L5	1000 mg/l	250	BCA
Chlorite (ClO ₂ ⁻) <i>in NaOH</i>	H003.W.L1	1000 mg/l	100	EE
	H003.W.L25	1000 mg/l	250	GA
	H003.W.L5	1000 mg/l	500	JF

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Chromate as Cr VI <i>in H₂O</i>	H004.W.L1	1000 mg/l	100	EE
	H004.W.L25	1000 mg/l	250	GA
	H004.W.L5	1000 mg/l	500	JF
Citrate <i>in H₂O</i>	H029.W.L1	1000 mg/l	100	FD
	H029.W.L25	1000 mg/l	250	HE
	H029.W.L5	1000 mg/l	500	BAF
Cyanide <i>in H₂O</i>	H032.01O.L1	1000 mg/l	100	FD
	H032.01O.L25	1000 mg/l	250	HE
	H032.01O.L5	1000 mg/l	500	BAF
Diethanolamine <i>in H₂O</i>	H033.W.L1	1000 mg/l	100	FD
	H033.W.L25	1000 mg/l	250	HE
	H033.W.L5	1000 mg/l	500	BAF
Fluoride <i>in H₂O</i>	H005.W.L1	1000 mg/l	100	DK
	H005.W.L25	1000 mg/l	250	GA
	H005.W.L5	1000 mg/l	500	JF
Formate <i>in H₂O</i>	H026.W.L1	1000 mg/l	100	FD
	H026.W.L25	1000 mg/l	250	HE
	H026.W.L5	1000 mg/l	500	BAF
Glycolate <i>in H₂O</i>	H034.W.L1	1000 mg/l	100	FD
	H034.W.L25	1000 mg/l	250	HE
	H034.W.L5	1000 mg/l	500	BAF
Hydrogen phthalate <i>in H₂O</i>	H035.W.L1	1000 mg/l	100	FD
	H035.W.L25	1000 mg/l	250	HE
	H035.W.L5	1000 mg/l	500	BAF
Hydrogen sulfite <i>in H₂O</i>	H057.W.L1	1000 mg/l	100	FD
	H057.W.L25	1000 mg/l	250	HE
	H057.W.L5	1000 mg/l	500	BAF
Iodate (IO ₃ ⁻) <i>in H₂O</i>	H036.W.L1	1000 mg/l	100	EE
	H036.W.L25	1000 mg/l	250	GA
	H036.W.L5	1000 mg/l	500	JF
Iodide (I ⁻) <i>in H₂O</i>	H006.W.L1	1000 mg/l	100	EE
	H006.W.L25	1000 mg/l	250	GA
	H006.W.L5	1000 mg/l	500	JF
Lactate <i>in H₂O</i>	H037.W.L1	1000 mg/l	100	FD
	H037.W.L25	1000 mg/l	250	HE
	H037.W.L5	1000 mg/l	500	BAF

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Lithium <i>in H₂O</i>	H008.W.L1	1000 mg/l	100	DK
	H008.W.L25	1000 mg/l	250	GA
	H008.W.L5	1000 mg/l	500	JF
Magnesium <i>in H₂O</i>	H009.W.L1	1000 mg/l	100	DK
	H009.W.L25	1000 mg/l	250	GA
	H009.W.L5	1000 mg/l	500	JF
Maleate <i>in H₂O</i>	H038.W.L1	1000 mg/l	100	FD
	H038.W.L25	1000 mg/l	250	HE
	H038.W.L5	1000 mg/l	500	BAF
Methane sulphonate <i>in H₂O</i>	H039.W.L1	1000 mg/l	100	FD
	H039.W.L25	1000 mg/l	250	HE
	H039.W.L5	1000 mg/l	500	BCA
3-Methoxypropylamine <i>in H₂O</i>	H053.W.L1	1000 mg/l	100	FD
	H053.W.L25	1000 mg/l	250	HE
	H053.W.L5	1000 mg/l	500	BAF
Monoethanolamine <i>in H₂O</i>	H040.W.L1	1000 mg/l	100	FD
	H040.W.L25	1000 mg/l	250	HE
	H040.W.L5	1000 mg/l	500	BAF
Monomethylamine <i>in H₂O</i>	H041.W.L1	1000 mg/l	100	FD
	H041.W.L25	1000 mg/l	250	HE
	H041.W.L5	1000 mg/l	500	BAF
Nitrate <i>in H₂O</i>	H013.W.L1	1000 mg/l	100	DK
	H013.W.L25	1000 mg/l	250	GA
	H013.W.L5	1000 mg/l	500	JF
Nitrate as N <i>in H₂O</i>	H044.W.L1	1000 mg/l	100	EF
	H044.W.L25	1000 mg/l	250	GK
	H044.W.L5	1000 mg/l	500	BAF
Nitrilotriacetate <i>in H₂O</i>	H042.W.L1	1000 mg/l	100	FD
	H042.W.L25	1000 mg/l	250	HE
	H042.W.L5	1000 mg/l	500	BAF
Nitrite <i>in H₂O</i>	H012.W.L1	1000 mg/l	100	EE
	H012.W.L25	1000 mg/l	250	GA
	H012.W.L5	1000 mg/l	500	JF
Nitrite as N <i>in H₂O</i>	H043.W.L1	1000 mg/l	100	EE
	H043.W.L25	1000 mg/l	250	GA
	H043.W.L5	1000 mg/l	500	JF
Oxalate <i>in H₂O</i>	H024.W.L1	1000 mg/l	100	FD
	H024.W.L25	1000 mg/l	250	HE
	H024.W.L5	1000 mg/l	500	BAF
Perchlorate <i>in H₂O</i>	H017.W.L1	1000 mg/l	100	FD
	H017.W.L25	1000 mg/l	250	HE
	H017.W.L5	1000 mg/l	500	BAF
Phosphate <i>in H₂O</i>	H014.W.L1	1000 mg/l	100	DK
	H014.W.L25	1000 mg/l	250	GA
	H014.W.L5	1000 mg/l	500	JF

ELEMENT	CODE	CONCENTR.	VOLUME in ml	PRICE
Phosphate as P <i>in H₂O</i>	H045.W.L1	1000 mg/l	100	EE
	H045.W.L25	1000 mg/l	250	GA
	H045.W.L5	1000 mg/l	500	JF
Potassium <i>in H₂O</i>	H007.W.L1	1000 mg/l	100	DK
	H007.W.L25	1000 mg/l	250	GA
	H007.W.L5	1000 mg/l	500	JF
Propionate <i>in H₂O</i>	H046.W.L1	1000 mg/l	100	FD
	H046.W.L25	1000 mg/l	250	HE
	H046.W.L5	1000 mg/l	500	BAF
Silicate <i>in NaOH</i>	H047.1O.L1	1000 mg/l	100	FD
	H047.1O.L25	1000 mg/l	250	HE
	H047.1O.L5	1000 mg/l	500	BAF
Sodium <i>in H₂O</i>	H010.W.L1	1000 mg/l	100	DK
	H010.W.L25	1000 mg/l	250	GA
	H010.W.L5	1000 mg/l	500	JF
Strontium <i>in H₂O</i>	H023.W.L1	1000 mg/l	100	DK
	H023.W.L25	1000 mg/l	250	GA
	H023.W.L5	1000 mg/l	500	JF
Succinate <i>in H₂O</i>	H048.W.L1	1000 mg/l	100	FD
	H048.W.L25	1000 mg/l	250	HE
	H048.W.L5	1000 mg/l	500	BAF
Sulphate <i>in H₂O</i>	H015.W.L1	1000 mg/l	100	DK
	H015.W.L25	1000 mg/l	250	GA
	H015.W.L5	1000 mg/l	500	JF
Sulphite as HSO ₃ ⁻ <i>in H₂O</i>	H018.W.L1	1000 mg/l	100	FD
	H018.W.L25	1000 mg/l	250	HE
	H018.W.L5	1000 mg/l	500	BAF
Tartrate <i>in H₂O</i>	H049.W.L1	1000 mg/l	100	FD
	H049.W.L25	1000 mg/l	250	HE
	H049.W.L5	1000 mg/l	500	BAF
Thiocyanate <i>in H₂O</i>	H021.W.L1	1000 mg/l	100	FD
	H021.W.L25	1000 mg/l	250	HE
	H021.W.L5	1000 mg/l	500	BAF
Thiosulphate <i>in n-pentanol</i>	H050.011044.L1	1000 mg/l	100	FD
	H050.011044.L25	1000 mg/l	250	HE
	H050.011044.L5	1000 mg/l	500	BAF
Triethanolamine <i>in H₂O</i>	H051.W.L1	1000 mg/l	100	FD
	H051.W.L25	1000 mg/l	250	HE
	H051.W.L5	1000 mg/l	500	BAF
Triethylamine <i>in H₂O</i>	H054.W.L1	1000 mg/l	100	FD
	H054.W.L25	1000 mg/l	250	HE
	H054.W.L5	1000 mg/l	500	BAF
Trimethylamine <i>in H₂O</i>	H052.W.L1	1000 mg/l	100	FD
	H052.W.L25	1000 mg/l	250	HE
	H052.W.L5	1000 mg/l	500	BAF

ION CHROMATOGRAPHY MULTI-ELEMENT STANDARD SOLUTIONS

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
Multi 3 ions in H₂O Cl ⁻ , NO ₃ ⁻ , SO ₄ ²⁻	3905.1K.W.L1	1000 mg/l	100	GF
	3905.1K.W.L25	1000 mg/l	250	BAA
Multi 3 ions in NaOH BrO ₃ ⁻ (20 mg/l), ClO ₃ ⁻ (20 mg/l), IO ₃ ⁻ (20 mg/l)	A0291.20.01O.L1		100	FF
	A0291.20.01O.L5		500	JF
Multi 4 ions in H₂O Ca ²⁺ , K ⁺ , Mg ²⁺ , Na ⁺	4C79.1K.W.L1	1000 mg/l	100	HA
	4C79.1K.W.L25	1000 mg/l	250	BAF
Multi 5 ions in H₂O Ca ²⁺ , K ⁺ , Mg ²⁺ , Na ⁺ , NH ₄ ⁺	1A15.K1WL1	100 mg/l	100	GA
	1A15.K1WL25	100 mg/l	250	KA
Multi 6 ions in HNO₃ Ca ²⁺ (5 mg/l), K ⁺ (5 mg/l) Li ⁺ (0,5 mg/l), Mg ²⁺ (2,5mg/l) Na ⁺ (2mg/l), NH ₄ ⁺ (2,5mg/l)	A7A40.5.01N.L1		100	HA
	A7A40.5.01N.L5		500	BAF

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
Multi 6 ions in H₂O Br ⁻ , Cl ⁻ , F ⁻ , NO ₃ ⁻ , PO ₄ ³⁻ , SO ₄ ²⁻	E3A7.K1.W.L1	100 mg/l	100	GF
	E3A7.K1.W.L25	100 mg/l	250	BAA
Multi 6 ions in H₂O Ca ²⁺ (40 mg/l), K ⁺ (20 mg/l) Li ⁺ (10 mg/l), Mg ²⁺ (20 mg/l) Na ⁺ (20 mg/l), NH ₄ ⁺ (40 mg/l)	A3DCF.40.01N.L1		100	JF
	A3DCF.40.01N.L5		500	BGF
Multi 7 ions in H₂O Br ⁻ (25 mg/l), Cl ⁻ (10 mg/l), F ⁻ (5mg/l) NO ₂ ⁻ (15 mg/l), NO ₃ ⁻ (25 mg/l) PO ₄ ³⁻ (40 mg/l), SO ₄ ²⁻ (30 mg/l)	ACE63.25.W.L1		100	JF
	ACE63.25.W.L5		500	BJF
Multi 7 ions in H₂O Br ⁻ , Cl ⁻ , F ⁻ , NO ₂ ⁻ , NO ₃ ⁻ , PO ₄ ³⁻ , SO ₄ ²⁻	1521.1K.W.L1	1000 mg/l	100	KF
	1521.1K.W.L25	1000 mg/l	250	BFA
Multi 7 ions in H₂O Br ⁻ , Cl ⁻ , F ⁻ , NO ₂ ⁻ , NO ₃ ⁻ , PO ₄ ³⁻ , SO ₄ ²⁻	1521.K1.W.L1	100 mg/l	100	HA
	1521.K1.W.L25	100 mg/l	250	BAF

ELUENTS CONCENTRATES FOR ION CHROMATOGRAPHY

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
0.5M Sodium Carbonate	EL001.W.L1	100 times conc.	100	DC
0.5M Sodium Carbonate	EL001.W.L5	100 times conc.	500	GF
0.5M Sodium Bicarbonate	EL002.W.L1	100 times conc.	100	DC
0.5M Sodium Bicarbonate	EL002.W.L5	100 times conc.	500	GF
0.22M Carb./ 0.28M Bicarb.	EL003.W.L1	100 times conc.	100	EB

SOLUTION	CODE	CONCENTR.	VOLUME in ml	PRICE
0.22M Carb. /0.28M Bicarb.	EL003.W.L5	100 times conc.	500	JE
0.18M Carb./ 0.17M Bicarb.	EL004.W.L1	100 times conc.	100	EB
0.18M Carb./ 0.17M Bicarb.	EL004.W.L5	100 times conc.	500	JE
0.35M Carb./ 0.10M Bicarb.	EL005.W.L1	100 times conc.	100	EB
0.35M Carb./ 0.10M Bicarb.	EL005.W.L5	100 times conc.	500	JE

WATER FOR ION CHROMATOGRAPHY

SOLUTION	CODE	VOLUME in ml	PRICE
Water for IC	CIW.1L	1000	DA

SOLUTION	CODE	VOLUME in ml	PRICE
Water for IC	CIW.2L	2000	EF



**The Experts in Custom-made Standards
Organic & Inorganic**

www.cpachem.com