

# ICP-MS/ ICP-OES Standards



## ICP-MS/ICP-OES Standards

Reagecon have been manufacturing Inorganic Standards, Controls and Calibrators for Spectroscopy for almost two decades. During that time, the company has established itself as the most reliable primary producer of top quality standards. Our customer base in over 80 countries is testament of our efforts to be leaders in a changing field where limits of detection and purity are becoming ever more demanding. Whether your application is ICP-MS, ICP-OES or whether you require a single element or multi-element mixture, our products are manufactured, tested and stabilised to such a high level, that they can be used on all of these instruments.

## Quality Control

All metal raw materials are assayed by titration and ICP-MS prior to manufacture. Separate CRM's are used to control or calibrate the titration and ICP-MS respectively. This dual process enables the assays to be cross-checked against each other, provides two layers of traceability and quantifies the combined level of impurities in the starting material. The product is then manufactured gravimetrically using the mass balance approach: 100% - sum of all impurities (w/w). The assay of the final product is certified using the gravimetric result corrected for density. Prior to bottling, the finished product is again tested and verified using an ICP-MS instrument calibrated with appropriate CRM's.

## Certification

Reagecon's ICP-MS and ICP-OES Standards are prepared gravimetrically on a weight/weight basis from the purest available raw materials on the market. Both solute and solvent are weighed on balances calibrated by Reagecon's engineers using OIML traceable weights. Reagecon holds ISO/IEC 17025 accreditation for calibration of laboratory balances (INAB Ref:265C). The resulting Balance Certificate of Calibration is issued in accordance with the requirements of ISO/IEC 17025.



## Traceability

The content of the starting material for each single element or multi-element standard is established by titration. The resulting analysis is directly traceable to a relevant NIST standard where available. All of the resulting uncertainties of measurement are calculated according to EURACHEM/CITAC guidelines and reported as expanded uncertainties at the 95% confidence level. Reagecon has ISO/IEC 17025 (INAB Ref:264T) accreditation for several classes of titrimetric analysis relevant to the assay of Raw Materials, for the manufacture of ICP-MS and ICP-OES standards.

## Verification of Raw Materials

The concentration of the target element of each raw material is then verified using a high performance state of the art calibrated ICP-MS instrument. The calibration of the ICP-MS is completed using high purity ISO Guide 34 certified reference materials or other internationally accepted materials (e.g. BAM from Germany). This verification procedure serves three distinct but critical purposes.

- It provides a completely independent check of the accuracy and validity of the titration assay.
- It provides traceability by comparison to a second reference, which is independent from the first Reference Material.
- It determines the level of trace elemental impurities in the starting raw materials.

## Elemental Metallic Impurities

All Reagecon Standards are manufactured from the purest available raw materials. At least thirty-three starting materials are metals of > 99.999% purity. Several others are at least 99.995% pure. Most of the remaining metals or salts of metals are at least 99.99% pure. The level of impurities are quantified using ICP-MS and are measured and reported both on the starting materials and on the finished product. All of Reagecon's ICP-MS standards are manufactured in a Class 10,000 (ISO 7) clean room environment.

## Final Assay & Result

Each batch of Reagecon's finalised ICP-MS standards are subjected to an assay on the instrument prior to bottling. This assay verifies the target element assay and verifies that the level of impurities have not changed significantly during the manufacturing process. The results are then reported and certified in mg/Kg and mg/L on the basis of weight and the density measurement of the standard. All of the volumetric, titrimetric and gravimetric functions are carried out under a highly regulated temperature regime, using equipment calibrated by Reagecon's engineers. Reagecon holds ISO/IEC 17025 accreditation for temperature calibration in the range of -196 to +1200°C (INAB Ref:265C). The density measurements are also highly temperature dependent and are carried out in Reagecon's specialised Density Laboratory. Reagecon is ISO/IEC 17025 Accredited (INAB Ref:264T), for density measurement using an Oscillating U-Tube Method in accordance with the ASTM D4052 method. The company is an extensive producer of density standards.



## ICP-MS Single Element Standards

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Aluminium</b>				
PAL1D2	AL 99.999	5% HNO <sub>3</sub>	1	100ml
PAL1A2	AL 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PAL2A2	AL 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PAL2B2	AL 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PAL2C2	AL 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PAI2B4-500ML	AL 99.999	3.5% HNO <sub>3</sub>	1,000	500ml
PAL4A2	AL 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PAL4B2	AL 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
PAI4B4-500ML	AL 99.999	3.5% HNO <sub>3</sub>	10,000	500ml
PAL2A3	AL 99.999	5% HCl	1,000	100ml
PAL2B3	AL 99.999	2 - 5% HCl	1,000	250ml
PAL2C3	AL 99.999	5% HCl	1,000	500ml
PAL4A3	AL 99.999	5% HCl	10,000	100ml
PAL4B3	AL 99.999	2 - 5% HCl	10,000	250ml
PAL4C3	AL 99.999	2 - 5% HCl	10,000	500ml

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Antimony</b>				
PSB1A4	Sb 99.999	1% HF + 5% HNO <sub>3</sub>	100	100ml
PSB2A4	Sb 99.999	1% HF + 5% HNO <sub>3</sub>	1,000	100ml
PSB2C4	Sb 99.999	1% HF + 5% HNO <sub>3</sub>	1,000	500ml
PSB4A4	Sb 99.999	1% HF + 5% HNO <sub>3</sub>	10,000	100ml
PSB2A5	Sb 99.999	10% HCl	1,000	100ml
PSB2C5	Sb 99.999	10% HCl	1,000	500ml
PSB4A5	Sb 99.999	10% HCl	10,000	100ml
PSB2A11	Sb 99.999	1% HCl	1,000	100ml
PSB2B4	C <sub>8</sub> H <sub>4</sub> K <sub>2</sub> O <sub>12</sub> ·3H <sub>2</sub> O	6% Tart. Acid	1,000	250ml
PSB4B4	C <sub>8</sub> H <sub>4</sub> K <sub>2</sub> O <sub>12</sub> ·3H <sub>2</sub> O	6% Tart. Acid, tr. HNO <sub>3</sub>	10,000	250ml
PSB2B5	Sb 99.999	20% HCl	1,000	250ml
PSB4B5	Sb 99.999	20% HCl	10,000	250ml
<b>Arsenic</b>				
PAS01D6	As 99.999	2 % HNO <sub>3</sub>	10	50ml
PAS01A6	As 99.999	2 % HNO <sub>3</sub>	10	100ml
PAS1A2	As 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PAS1C3	As 99.999	2 - 5% HNO <sub>3</sub>	100	500ml
PAS2A2	As 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PAS2B2	As 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PAS2C2	As 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PAS2C2-1000ml	As 99.999	2 - 5% HNO <sub>3</sub>	1,000	1L
PAS4A2	As 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PAS4B2	As 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
PAS4B4-500ml	As 99.999	3.5% HNO <sub>3</sub>	10,000	500ml
PAS2B3	As 99.999	2 - 5% HCl	1,000	250ml
PAS4B3	As 99.999	2 - 5% HCl	10,000	250ml
PAS52C2	As 99.999	0.5M HNO <sub>3</sub>	100	500ml
<b>Barium</b>				
PBA1A2	BaCO <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PBA2A2	BaCO <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PBA2B2	BaCO <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
ICP-GLO-BA-100	BaCO <sub>3</sub> 99.999	0.5M HNO <sub>3</sub>	1,000	100ml
PBA2C2	BaCO <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PBA4A2	BaCO <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PBA4B2	BaCO <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
PBa4B4-500ML	BaCO <sub>3</sub> 99.999	3.5% HNO <sub>3</sub>	10,000	500ml
PBA2A3	BaCO <sub>3</sub> 99.999	2% HCl	1,000	100ml
PBA2B3	BaCO <sub>3</sub> 99.999	2-5% HCl	1,000	250ml
PBA2C3	BaCO <sub>3</sub> 99.999	2% HCl	1,000	500ml
PBA4A3	BaCO <sub>3</sub> 99.999	2% HCl	10,000	100ml
PBA4B3	BaCO <sub>3</sub> 99.999	2-5% HCl	10,000	250ml

## ICP-MS Single Element Standards

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Beryllium</b>				
PBE1A2	BeO 99.99	2 - 5% HNO <sub>3</sub>	100	100ml
PBE2A2	BeO 99.99	2 - 5% HNO <sub>3</sub>	1,000	100ml
PBE2B2	BeO 99.99	2 - 5% HNO <sub>3</sub>	1,000	250ml
PBE2C2	BeO 99.99	2 - 5% HNO <sub>3</sub>	1,000	500ml
PBE4A2	BeO 99.99	2 - 5% HNO <sub>3</sub>	10,000	100ml
PBE4B2	BeO 99.99	2 - 5% HNO <sub>3</sub>	10,000	250ml
PBe4B4-500ML	BeO 99.99	3.5% HNO <sub>3</sub>	10,000	500ml
<b>Bismuth</b>				
PBI1A6	Bi 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PBi1A6-125ml	Bi 99.999	2 - 5% HNO <sub>3</sub>	100	125ml
PBi1A6-500ml	Bi 99.999	2 - 5% HNO <sub>3</sub>	100	500ml
PBI2A6	Bi 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PBI2C6	Bi 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PBI4A6	Bi 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PBI4C2-500ml	Bi 99.999	2 - 5% HNO <sub>3</sub>	10,000	500ml
PBI2B6	Bi 99.999	10% HNO <sub>3</sub>	1,000	250ml
PBI4B6	Bi 99.999	10% HNO <sub>3</sub>	10,000	250ml
PBI2C1L	Bi 99.999	1.5M HNO <sub>3</sub>	1,000	1L
<b>Boron</b>				
PB1A7	H <sub>3</sub> BO <sub>3</sub> 99.99	H <sub>2</sub> O	100	100ml
PB2A7	H <sub>3</sub> BO <sub>3</sub> 99.99	H <sub>2</sub> O	1,000	100ml
PB2B7	H <sub>3</sub> BO <sub>3</sub> 99.99	H <sub>2</sub> O	1,000	250ml
ICP-GLO-B-100	H <sub>3</sub> BO <sub>3</sub> 99.99	0.5M NH <sub>4</sub>	1,000	100ml
PB2C7	H <sub>3</sub> BO <sub>3</sub> 99.99	H <sub>2</sub> O	1,000	500ml
PB3C7	H <sub>3</sub> BO <sub>3</sub> 99.99	H <sub>2</sub> O	5,000	100ml
PB3A7	H <sub>3</sub> BO <sub>3</sub> 99.99	H <sub>2</sub> O	5,000	500ml
PB4A7	H <sub>3</sub> BO <sub>3</sub> 99.99	H <sub>2</sub> O	10,000	100ml
PB4B7	H <sub>3</sub> BO <sub>3</sub> 99.99	H <sub>2</sub> O	10,000	250ml
PB4N-250ML	H <sub>3</sub> BO <sub>3</sub> 99.99	0.5N HNO <sub>3</sub>	10,000	250ml
<b>Cadmium</b>				
PCD01D6	Cd 99.999	2% HNO <sub>3</sub>	10	50ml
PCD01A6	Cd 99.999	2% HNO <sub>3</sub>	10	100ml
PCD1A2	Cd 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PCD1C3	Cd 99.999	2 - 5% HNO <sub>3</sub>	100	500ml
PCD2A2	Cd 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PCD2B2	Cd 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PCD2C2	Cd 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PCD2C4	Cd 99.999	0.5M HNO <sub>3</sub>	1,000	500ml
PCD4A2	Cd 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PCD4B2	Cd 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
PCd4B4-500ML	Cd 99.999	3.5% HNO <sub>3</sub>	10,000	500ml
PCD2A3	Cd 99.999	2% HCl	1,000	100ml
PCD2B3	Cd 99.999	2-5% HCl	1,000	250ml
PCD2C3	Cd 99.999	2% HCl	1,000	500ml
PCD4B3	Cd 99.999	2-5% HCl	10,000	250ml

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Calcium</b>				
PCA1A2	CaCO <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	100	100ml
PCA2A2	CaCO <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	1,000	100ml
PCA2B2	CaCO <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	1,000	250ml
PCA2B4-500ML	CaCO <sub>3</sub> 99.995	3.5% HNO <sub>3</sub>	1,000	500ml
PCA2C2	CaCO <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	1,000	500ml
PCA5A2	CaCO <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	5,000	100ml
PCA4A2	CaCO <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	10,000	100ml
PCA4B2	CaCO <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	10,000	250ml
PCA4C2	CaCO <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	10,000	500ml
PCa4B4-500ML	CaCO <sub>3</sub> 99.995	3.5% HNO <sub>3</sub>	10,000	500ml
PCA2A3	CaCO <sub>3</sub> 99.995	2% HCl	1,000	100ml
PCA2B3	CaCO <sub>3</sub> 99.995	2-5% HCl	1,000	250ml
PCA2C3	CaCO <sub>3</sub> 99.995	2% HCl	1,000	500ml
PCA4A3	CaCO <sub>3</sub> 99.995	2% HCl	10,000	100ml
PCA4B3	CaCO <sub>3</sub> 99.995	2-5% HCl	10,000	250ml
PCA4C3	CaCO <sub>3</sub> 99.995	2-5% HCl	10,000	500ml
<b>Carbon</b>				
PC2A7	Tartaric Acid 99.7	H <sub>2</sub> O	1,000	100ml
PC2B7	Tartaric Acid 99.7	H <sub>2</sub> O	1,000	250ml
PC4B7	Tartaric Acid 99.7	H <sub>2</sub> O	10,000	250ml
<b>Cerium</b>				
PCE1A2	CeO <sub>2</sub> 99.99	2 - 5% HNO <sub>3</sub>	100	100ml
PCE2A2	CeO <sub>2</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	100ml
PCE2B2	CeO <sub>2</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	250ml
PCE2C2	CeO <sub>2</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	500ml
PCE4A2	CeO <sub>2</sub> 99.99	2 - 5% HNO <sub>3</sub>	10,000	100ml
PCE4B2	CeO <sub>2</sub> 99.99	2 - 5% HNO <sub>3</sub>	10,000	250ml
PCE4B4-500ML	CeO <sub>2</sub> 99.99	3.5% HNO <sub>3</sub>	10,000	500ml
<b>Cesium</b>				
PCS1A2	CsCl 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PCS2A2	CsCl 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PCS2B2	CsCl 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PCS2C2	CsCl 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PCS4A2	CsCl 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PCS4B2	CsCl 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
<b>Chloride</b>				
PCL2A7	NaCl 99.99	H <sub>2</sub> O	1,000	100ml

## ICP-MS Single Element Standards

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Chromium</b>				
PCR1A2	Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O 99.99+	2 - 5% HNO <sub>3</sub>	100	100ml
PCR1C3	Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O 99.99+	2 - 5% HNO <sub>3</sub>	100	500ml
PCR2A2	Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O 99.99+	2 - 5% HNO <sub>3</sub>	1,000	100ml
PCR2B2	Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O 99.99+	2 - 5% HNO <sub>3</sub>	1,000	250ml
PCR2C2	Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O 99.99+	2 - 5% HNO <sub>3</sub>	1,000	500ml
PCR4A2	Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O 99.99+	2 - 5% HNO <sub>3</sub>	10,000	100ml
PCR4B2	Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O 99.99+	2 - 5% HNO <sub>3</sub>	10,000	250ml
PCR4B4-500ML	Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O 99.99+	3.5% HNO <sub>3</sub>	10,000	500ml
PCR2C3	Cr 99.995	2% HCl	1,000	500ml
PCR4A3	Cr 99.995	2% HCl	10,000	100ml
PCR4B3	Cr 99.995	2-5% HCl	10,000	250ml
PCR4C3	Cr 99.995	2-5% HCl	10,000	500ml
PCR2A7	Cr 99.995	2% HCl	1,000	100ml
PCR2B3	Cr 99.995	2-5% HCl	1,000	250ml
PCR2A5	Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O 99.99+	H <sub>2</sub> O	1,000	100ml
PCR2B7	Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O 99.99+	H <sub>2</sub> O	1,000	250ml
PCR4B7	Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O 99.99+	H <sub>2</sub> O	10,000	250ml
<b>Cobalt</b>				
PCO1A2	Co 99.995	2 - 5% HNO <sub>3</sub>	100	100ml
PCO1C3	Co 99.995	2 - 5% HNO <sub>3</sub>	100	500ml
PCO2A2	Co 99.995	2 - 5% HNO <sub>3</sub>	1,000	100ml
PCO2B2	Co 99.995	2 - 5% HNO <sub>3</sub>	1,000	250ml
PCO2C2	Co 99.995	2 - 5% HNO <sub>3</sub>	1,000	500ml
PCO2C3	Co 99.995	0.5M HNO <sub>3</sub>	1,000	500ml
PCO4A2	Co 99.995	2 - 5% HNO <sub>3</sub>	10,000	100ml
PCO4B2	Co 99.995	2 - 5% HNO <sub>3</sub>	10,000	250ml
PCo4B4-500ML	Co 99.995	3.5% HNO <sub>3</sub>	10,000	500ml
PCO2B3	Co 99.995	2-5% HCl	1,000	250ml
PCO4A3	Co 99.995	2% HCl	10,000	100ml
PCO4B3	Co 99.995	2-5% HCl	10,000	250ml
PCO4C3	Co 99.995	2% HCl	10,000	500ml

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Copper</b>				
PCU1A2	Cu 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PCU1C3	Cu 99.999	2 - 5% HNO <sub>3</sub>	100	500ml
PCU2A2	Cu 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PCU2B2	Cu 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PCU2C2	Cu 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PCU4A2	Cu 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PCU4B2	Cu 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
PCu4B4-500ML	Cu 99.999	3.5% HNO <sub>3</sub>	10,000	500ml
PCU2A3	Cu 99.999	2% HCl	1,000	100ml
PCU2B3	Cu 99.999	2-5% HCl	1,000	250ml
PCU2C3	Cu 99.999	2% HCl	1,000	500ml
PCU4A3	Cu 99.999	2% HCl	10,000	100ml
PCU4B3	Cu 99.999	2-5% HCl	10,000	250ml
PCU4C3	Cu 99.999	2-5% HCl	10,000	500ml
<b>Dysprosium</b>				
PDY1A2	DY <sub>2</sub> O <sub>3</sub> 99.99+	2 - 5% HNO <sub>3</sub>	100	100ml
PDY2A2	DY <sub>2</sub> O <sub>3</sub> 99.99+	2 - 5% HNO <sub>3</sub>	1,000	100ml
PDY2B2	DY <sub>2</sub> O <sub>3</sub> 99.99+	2 - 5% HNO <sub>3</sub>	1,000	250ml
PDY2C2	DY <sub>2</sub> O <sub>3</sub> 99.99+	2 - 5% HNO <sub>3</sub>	1,000	500ml
PDY4A2	DY <sub>2</sub> O <sub>3</sub> 99.99+	2 - 5% HNO <sub>3</sub>	10,000	100ml
PDY4B2	DY <sub>2</sub> O <sub>3</sub> 99.99+	2 - 5% HNO <sub>3</sub>	10,000	250ml
<b>Erbium</b>				
PER1A2	Er <sub>2</sub> O <sub>3</sub> 99.99+	2 - 5% HNO <sub>3</sub>	100	100ml
PER2A2	Er <sub>2</sub> O <sub>3</sub> 99.99+	2 - 5% HNO <sub>3</sub>	1,000	100ml
PER2B2	Er <sub>2</sub> O <sub>3</sub> 99.99+	2 - 5% HNO <sub>3</sub>	1,000	250ml
PER2C2	Er <sub>2</sub> O <sub>3</sub> 99.99+	2 - 5% HNO <sub>3</sub>	1,000	500ml
PER4A2	Er <sub>2</sub> O <sub>3</sub> 99.99+	2 - 5% HNO <sub>3</sub>	10,000	100ml
PER4B2	Er <sub>2</sub> O <sub>3</sub> 99.99+	2 - 5% HNO <sub>3</sub>	10,000	250ml
<b>Europium</b>				
PEU1A2	Eu <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PEU2A2	Eu <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PEU2B2	Eu <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PEU2C2	Eu <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PEU4A2	Eu <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PEU4B2	Eu <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
<b>Gadolinium</b>				
PGD1A2	Gd <sub>2</sub> O <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	100	100ml
PGD2A2	Gd <sub>2</sub> O <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	1,000	100ml
PGD2B2	Gd <sub>2</sub> O <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	1,000	250ml
PGD2C2	Gd <sub>2</sub> O <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	1,000	500ml
PGD4A2	Gd <sub>2</sub> O <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	10,000	100ml
PGD4B2	Gd <sub>2</sub> O <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	10,000	250ml

## ICP-MS Single Element Standards

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Gallium</b>				
PGA1A2	Ga 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PGA2A2	Ga 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PGA2B2	Ga 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PGA2C2	Ga 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PGA4A2	Ga 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PGA4B2	Ga 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
<b>Germanium</b>				
PGE1A7	Ge 99.999	1% HF + 5% HNO <sub>3</sub>	100	100ml
PGE2A7	Ge 99.999	1% HF + 5% HNO <sub>3</sub>	1,000	100ml
PGE2B7	Ge 99.999	1% HF + 5% HNO <sub>3</sub>	1,000	250ml
PGE2C7	Ge 99.999	1% HF + 5% HNO <sub>3</sub>	1,000	500ml
PGE4A7	Ge 99.999	1% HF + 5% HNO <sub>3</sub>	10,000	100ml
PGE4B7	Ge 99.999	1% HF + 5% HNO <sub>3</sub>	10,000	250ml
<b>Gold</b>				
PAU001A2	Au 99.998	5% HCl	1	100ml
PAU1A8	Au 99.998	5% HCl	100	100ml
PAU2A8	Au 99.998	5% HCl	1,000	100ml
PAU2B8	Au 99.998	5% HCl	1,000	250ml
PAU2C8	Au 99.998	5% HCl	1,000	500ml
PAU4A8	Au 99.998	5% HCl	10,000	100ml
PAU001C8	Au 99.998	10% HCl	1	500ml
PAU002C8	Au 99.998	10% HCl	2	500ml
PAU005C8	Au 99.998	10% HCl	5	500ml
PAU4B8	Au 99.998	10% HCl	10,000	250ml
PAU4B8-500ml	Au 99.998	10% HCl	10,000	500ml
PAU-1G/L	Au 99.998	2M HCl	1,000	250ml
PAU-3G/L	Au 99.998	2M HCl	3,000	250ml
PAU-10G/L	Au 99.998	2M HCl	10,000	250ml
<b>Hafnium</b>				
PHF1A3	Hf 99.9	1% HF + 5% HNO <sub>3</sub>	100	100ml
PHF2A3	Hf 99.9	1% HF + 5% HNO <sub>3</sub>	1,000	100ml
PHF2C3	Hf 99.9	1% HF + 5% HNO <sub>3</sub>	1,000	500ml
PHF4A3	Hf 99.9	1% HF + 5% HNO <sub>3</sub>	10,000	100ml
PHF2B3	HfOCl <sub>2</sub> ·8H <sub>2</sub> O 99.9	2 - 5% HCl	1,000	250ml
PHF4B3	HfOCl <sub>2</sub> ·8H <sub>2</sub> O 99.9	2 - 5% HCl	10,000	250ml



Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Holmium</b>				
PHO1A3	Ho <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PHO2A2	Ho <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PHO2B2	Ho <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PHO2C2	Ho <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PHO4A2	Ho <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PHO4B2	Ho <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
<b>Indium</b>				
PIN1A2	In 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PIN1A2-125ml	In 99.999	2 - 5% HNO <sub>3</sub>	100	125ml
PIN1A2-500ml	In 99.999	2 - 5% HNO <sub>3</sub>	100	500ml
PIN2A2	In 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PIN2B2	In 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PIN2C2	In 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PIN2B4-500ML	In 99.999	3.5% HNO <sub>3</sub>	1,000	500ml
PIN4A2	In 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PIN4B2	In 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
PIN4C2	In 99.999	2 - 5% HNO <sub>3</sub>	10,000	500ml
<b>Iridium</b>				
PIR1A8	(NH <sub>4</sub> ) <sub>2</sub> IrCl <sub>6</sub> 99.998	5% HCl	100	100ml
PIR2A8	(NH <sub>4</sub> ) <sub>2</sub> IrCl <sub>6</sub> 99.998	10% HCl	1,000	100ml
PIR2B8	(NH <sub>4</sub> ) <sub>2</sub> IrCl <sub>6</sub> 99.998	10% HCl	1,000	250ml
PIR2C8	(NH <sub>4</sub> ) <sub>2</sub> IrCl <sub>6</sub> 99.998	5% HCl	1,000	500ml
PIR4A8	(NH <sub>4</sub> ) <sub>2</sub> IrCl <sub>6</sub> 99.998	5% HCl	10,000	100ml
PIR4B8	(NH <sub>4</sub> ) <sub>2</sub> IrCl <sub>6</sub> 99.998	10% HCl	10,000	250ml
<b>Iron</b>				
PFE1A2	Fe 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PFE1C3	Fe 99.999	2 - 5% HNO <sub>3</sub>	100	500ml
PFE2A2	Fe 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PFE2B2	Fe 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PFE2B4-500ML	Fe 99.999	3.5% HNO <sub>3</sub>	1,000	500ml
ICP-GLO-FE-100	Fe 99.999	0.5M HNO <sub>3</sub>	1,000	100ml
PFE2C2	Fe 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PFE4A2	Fe 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PFE4B2	Fe 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
PFE4C2	Fe 99.999	2 - 5% HNO <sub>3</sub>	10,000	500ml
PFE4B4-500ML	Fe 99.999	3.5% HNO <sub>3</sub>	10,000	500ml
PFE2A3	Fe 99.999	2 - 5% HCl	1,000	100ml
PFE2B3	Fe 99.999	2 - 5% HCl	1,000	250ml
PFE2C3	Fe 99.999	2 - 5% HCl	1,000	500ml
PFE4A3	Fe 99.999	2 - 5% HCl	10,000	100ml
PFE4B3	Fe 99.999	2 - 5% HCl	10,000	250ml
PFE4C3	Fe 99.999	2 - 5% HCl	10,000	500ml

## ICP-MS Single Element Standards

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Lanthanum</b>				
PLA1A2	LA <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PLA2A2	LA <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PLA2B2	LA <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PLA2C2	LA <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PLA4A2	LA <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PLA4B2	LA <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
<b>Lead</b>				
PPB01D6	Pb 99.999	2% HNO <sub>3</sub>	10	50ml
PPB01A6	Pb 99.999	2% HNO <sub>3</sub>	10	100ml
PPB1A2	Pb 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PPB1C3	Pb 99.999	2 - 5% HNO <sub>3</sub>	100	500ml
PPB2A2	Pb 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PPB2B2	Pb 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PPB2C2	Pb 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PPB4A2	Pb 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PPB4B2	Pb 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
PPB4B4-500ML	Pb 99.999	3.5% HNO <sub>3</sub>	10,000	500ml
<b>Lithium</b>				
PLI1A2	Li <sub>2</sub> CO <sub>3</sub> 99.997	2 - 5% HNO <sub>3</sub>	100	100ml
PLI1A2-500ml	Li <sub>2</sub> CO <sub>3</sub> 99.997	2 - 5% HNO <sub>3</sub>	100	500ml
PLI2A2	Li <sub>2</sub> CO <sub>3</sub> 99.997	2 - 5% HNO <sub>3</sub>	1,000	100ml
PLI2B2	Li <sub>2</sub> CO <sub>3</sub> 99.997	2 - 5% HNO <sub>3</sub>	1,000	250ml
PLI2C2	Li <sub>2</sub> CO <sub>3</sub> 99.997	2 - 5% HNO <sub>3</sub>	1,000	500ml
PLI4A2	Li <sub>2</sub> CO <sub>3</sub> 99.997	2 - 5% HNO <sub>3</sub>	10,000	100ml
PLI4B2	Li <sub>2</sub> CO <sub>3</sub> 99.997	2 - 5% HNO <sub>3</sub>	10,000	250ml
PLI2C4	Li <sub>2</sub> CO <sub>3</sub> 99.997	0.5M HNO <sub>3</sub>	1,000	500ml
PLI2A3	Li <sub>2</sub> CO <sub>3</sub> 99.997	2 - 5% HCl	1,000	100ml
PLI2B3	Li <sub>2</sub> CO <sub>3</sub> 99.997	2 - 5% HCl	1,000	250ml
PLI2C3	Li <sub>2</sub> CO <sub>3</sub> 99.997	2 - 5% HCl	1,000	500ml
PLI4A3	Li <sub>2</sub> CO <sub>3</sub> 99.997	2 - 5% HCl	10,000	100ml
PLI4B3	Li <sub>2</sub> CO <sub>3</sub> 99.997	2 - 5% HCl	10,000	250ml
<b>Lutetium</b>				
PLU1A2	Lu <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	100	100ml
PLU2A2	Lu <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	100ml
PLU2B2	Lu <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	250ml
PLU2C2	Lu <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	500ml
PLU4A2	Lu <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	10,000	100ml
PLU4B2	Lu <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	10,000	250ml

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Magnesium</b>				
PMG1A2	Mg 99.99	2 - 5% HNO <sub>3</sub>	100	100ml
PMG2A2	Mg 99.99	2 - 5% HNO <sub>3</sub>	1,000	100ml
PMG2B2	Mg 99.99	2 - 5% HNO <sub>3</sub>	1,000	250ml
PMG2C2	Mg 99.99	2 - 5% HNO <sub>3</sub>	1,000	500ml
PMG2B4-500ML	Mg 99.99	3.5% HNO <sub>3</sub>	1,000	500ml
PMG2C4	Mg 99.99	0.5M HNO <sub>3</sub>	1,000	500ml
PMG5A2	Mg 99.99	2 - 5% HNO <sub>3</sub>	5,000	100ml
PMG4A2	Mg 99.99	2 - 5% HNO <sub>3</sub>	10,000	100ml
PMG4B2	Mg 99.99	2 - 5% HNO <sub>3</sub>	10,000	250ml
PMG4B4-500ML	Mg 99.99	3.5% HNO <sub>3</sub>	10,000	500ml
PMG2A3	Mg 99.99	2 - 5% HCl	1,000	100ml
PMG2B3	Mg 99.99	2 - 5% HCl	1,000	250ml
PMG2C3	Mg 99.99	2 - 5% HCl	1,000	500ml
PMG4A3	Mg 99.99	2 - 5% HCl	10,000	100ml
PMG4B3	Mg 99.99	2 - 5% HCl	10,000	250ml
PMG4C3	Mg 99.99	2 - 5% HCl	10,000	500ml
<b>Manganese</b>				
PMN1D2	Mn 99.98	5% HNO <sub>3</sub>	1	100ml
PMN1A2	Mn 99.98	2 - 5% HNO <sub>3</sub>	100	100ml
PMN1C3	Mn 99.98	2 - 5% HNO <sub>3</sub>	100	500ml
PMN2A2	Mn 99.98	2 - 5% HNO <sub>3</sub>	1,000	100ml
PMN2B2	Mn 99.98	2 - 5% HNO <sub>3</sub>	1,000	250ml
PMN2C2	Mn 99.98	2 - 5% HNO <sub>3</sub>	1,000	500ml
PMN2C3	Mn 99.98	0.5M HNO <sub>3</sub>	1,000	500ml
PMN4A2	Mn 99.98	2 - 5% HNO <sub>3</sub>	10,000	100ml
PMN4B2	Mn 99.98	2 - 5% HNO <sub>3</sub>	10,000	250ml
PMN4B4-500ML	Mn 99.98	3.5% HNO <sub>3</sub>	10,000	500ml
PMN4C3	Mn 99.98	2-5% HCl	10,000	500ml

## ICP-MS Single Element Standards

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Mercury</b>				
PHG0001A2	Hg 99.999+	5% HNO <sub>3</sub>	0.1	100ml
PHG0005A2	Hg 99.999+	5% HNO <sub>3</sub>	0.5	100ml
PHG001A2	Hg 99.999+	5% HNO <sub>3</sub>	1	100ml
PHG001A6	Hg 99.999+	2 - 5% HNO <sub>3</sub>	1	100ml
PHG6A6	Hg 99.999+	10% HNO <sub>3</sub>	1	100ml
PHG002A2	Hg 99.999+	5% HNO <sub>3</sub>	2	100ml
PHG7A2	Hg 99.999+	2 - 5% HNO <sub>3</sub>	5	100ml
PHG005A2	Hg 99.999+	5% HNO <sub>3</sub>	5	100ml
PHG10C3	Hg 99.999+	5% HNO <sub>3</sub>	10	50ml
ICP-Hg-CYM	Hg 99.999+	5% HNO <sub>3</sub>	10	100ml
PHG10C2	Hg 99.999+	5% HNO <sub>3</sub>	10	500ml
PHG34-10-20ML	Hg 99.999+	10% HNO <sub>3</sub>	10	20 mL
PHG1A6	Hg 99.999+	2 - 5% HNO <sub>3</sub>	100	100ml
PHG1C3	Hg 99.999+	2 - 5% HNO <sub>3</sub>	100	500ml
PHG2A4	Hg 99.999+	4% HNO <sub>3</sub>	100	100ml
PHG2C3	Hg 99.999+	2M HNO <sub>3</sub>	100	500ml
PHG2A6	Hg 99.999+	2 - 5% HNO <sub>3</sub>	1,000	100ml
PHG2B6	Hg 99.999+	10% HNO <sub>3</sub>	1,000	250ml
PHG2A2	Hg 99.999+	2 - 5% HNO <sub>3</sub>	1,000	100ml
PHG2C6	Hg 99.999+	2 - 5% HNO <sub>3</sub>	1,000	500ml
PHG4A6	Hg 99.999+	2 - 5% HNO <sub>3</sub>	10,000	100ml
PHG4B6	Hg 99.999+	10% HNO <sub>3</sub>	10,000	250ml
<b>Molybdenum</b>				
PMO1A7	Mo 99.999	2% NH <sub>4</sub> OH	100	100ml
PMO1C3	Mo 99.999	2% NH <sub>4</sub> OH	100	500ml
PMO2A7	Mo 99.999	2% NH <sub>4</sub> OH	1,000	100ml
PMO2B7	Mo 99.999	2% NH <sub>4</sub> OH	1,000	250ml
PMO2C1L	Mo 99.999	H <sub>2</sub> O	1,000	1L
PMO2C7	Mo 99.999	2% NH <sub>4</sub> OH	1,000	500ml
PMO4A7	Mo 99.999	2% NH <sub>4</sub> OH	10,000	100ml
PMO4B4-500ML	Mo 99.999	3.5% NH <sub>4</sub> OH	10,000	500ml
PMO4B7	Mo 99.999	H <sub>2</sub> O	10,000	250ml
PMO2A10	(NH <sub>4</sub> ) <sub>6</sub> Mo <sub>7</sub> O <sub>24</sub> ·4H <sub>2</sub> O 99.9	2 - 5% HNO <sub>3</sub> , tr. HF	1,000	100ml
PMO2A11	(NH <sub>4</sub> ) <sub>6</sub> Mo <sub>7</sub> O <sub>24</sub> ·4H <sub>2</sub> O 99.9	1% HCl	1,000	100ml
<b>Neodymium</b>				
PND1A2	Nd <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	100	100ml
PND2A2	Nd <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	100ml
PND2B2	Nd <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	250ml
PND2C2	Nd <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	500ml
PND4A2	Nd <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	10,000	100ml
PND4B2	Nd <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	10,000	250ml

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Nickel</b>				
PNI1A2	Ni 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PNI1C3	Ni 99.999	2% HNO <sub>3</sub>	100	500ml
PNI2A2	Ni 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PNI2B2	Ni 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PNI2C2	Ni 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PNI4A2	Ni 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PNI4B2	Ni 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
PNI4B4-500ML	Ni 99.999	3.5% HNO <sub>3</sub>	10,000	500ml
PNI4C3	Ni 99.999	2 - 5% HCl	10,000	500ml
<b>Niobium</b>				
PNB1A9	Nb 99.9+	1% HF + 5% HNO <sub>3</sub>	100	100ml
PNB2A9	Nb 99.9+	1% HF + 5% HNO <sub>3</sub>	1,000	100ml
PNB2C9	Nb 99.9+	1% HF + 5% HNO <sub>3</sub>	1,000	500ml
PNB4A9	Nb 99.9+	1% HF + 5% HNO <sub>3</sub>	10,000	100ml
PNB2B9	Nb 99.9+	H <sub>2</sub> O, tr. HF	1,000	250ml
PNB4B9	Nb 99.9+	H <sub>2</sub> O, tr. HF	10,000	250ml
<b>Osmium</b>				
ICP-HR-15	(NH <sub>4</sub> ) <sub>2</sub> O <sub>5</sub> Cl <sub>6</sub> 99.99	H <sub>2</sub> O	100	500ml
ICP-HR-15HCL	(NH <sub>4</sub> ) <sub>2</sub> O <sub>5</sub> Cl <sub>6</sub> 99.99	2% HCl	100	500ml
POS2A2-100	(NH <sub>4</sub> ) <sub>2</sub> O <sub>5</sub> Cl <sub>6</sub> 99.99	5% HCl	1,000	100ml
POS2A2	(NH <sub>4</sub> ) <sub>2</sub> O <sub>5</sub> Cl <sub>6</sub> 99.99	5% HCl	1,000	1L
POs54B4-500ML	(NH <sub>4</sub> ) <sub>2</sub> O <sub>5</sub> Cl <sub>6</sub> 99.99	5% HCl	10,000	500ml
<b>Palladium</b>				
PPD1A8	Pd 99.999	5% HCl	100	100ml
PPD2A8	Pd 99.999	5% HCl	1,000	100ml
PPD2B8	Pd 99.999	5% HCl	1,000	250ml
PPD2C8	Pd 99.999	5% HCl	1,000	500ml
PPB4H8	Pd 99.999	5% HCl	10,000	30 mL
PPD4B8	Pd 99.999	5% HCl	10,000	250ml
PPD2A9	Pd 99.999	10% HCl	1,000	100ml
<b>Phosphorus</b>				
PP1A7	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> 99.999	0.05% H <sub>2</sub> SO <sub>4</sub>	100	100ml
PP2A7	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> 99.999	0.05% H <sub>2</sub> SO <sub>4</sub>	1,000	100ml
PP2C7	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> 99.999	0.05% H <sub>2</sub> SO <sub>4</sub>	1,000	500ml
PP4A7	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> 99.999	0.05% H <sub>2</sub> SO <sub>4</sub>	10,000	100ml
PP1C3	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> 99.999	H <sub>2</sub> O	100	500ml
PP2B7	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> 99.999	H <sub>2</sub> O	1,000	250ml
PP2B4-500ML	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> 99.999	H <sub>2</sub> O	1,000	500ml
PP5A7	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> 99.999	H <sub>2</sub> O	5,000	100ml
PP4B7	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> 99.999	H <sub>2</sub> O	10,000	250ml
PP4B4-500ML	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> 99.999	H <sub>2</sub> O	10,000	500ml
PP2A2	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PP2C7-1000ML	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> 99.999	2% HNO <sub>3</sub>	1,000	1L
PP4A2	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml

## ICP-MS Single Element Standards

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Phosphate</b>				
PPT2C3	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> 99.999	H <sub>2</sub> O	1,000	500ml
<b>Platinum</b>				
PPT1A8	Pt 99.995	5% HCl	100	100ml
PPT2A8	Pt 99.995	5% HCl	1,000	100ml
PPT2B8	Pt 99.995	5% HCl	1,000	250ml
PPT2C8	Pt 99.995	5% HCl	1,000	500ml
PPT4A8	Pt 99.995	5% HCl	10,000	100ml
PPT2A13	Pt 99.995	10% HCl	1,000	100ml
PPT4B8	Pt 99.995	10% HCl	10,000	250ml
PPT2C1L	Pt 99.995	2M HCl	1,000	1L
<b>Potassium</b>				
PK1A2	KNO <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PK2A2	KNO <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PK2B2	KNO <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PK2C2	KNO <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PK2B4-500ML	KNO <sub>3</sub> 99.999	3.5% HNO <sub>3</sub>	1,000	500ml
PK5A2	KNO <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	5,000	100ml
PK4A2	KNO <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PK4B2	KNO <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
PK4B4-500ML	KNO <sub>3</sub> 99.999	3.5% HNO <sub>3</sub>	10,000	500ml
PK2A3	KCl 99.999	H <sub>2</sub> O	1,000	100ml
PK2C3	KCl 99.999	H <sub>2</sub> O	1,000	500ml
PK4A3	KCl 99.999	H <sub>2</sub> O	10,000	100ml
PK2B3	KCl 99.999	2-5% HCl	1,000	250ml
PK4B3	KCl 99.999	2-5% HCl	10,000	250ml
<b>Praseodymium</b>				
PPR1A2	Pr <sub>6</sub> O <sub>11</sub> 99.999	5% HCl	100	100ml
PPR2A2	Pr <sub>6</sub> O <sub>11</sub> 99.999	5% HCl	1,000	100ml
PPR2B2	Pr <sub>6</sub> O <sub>11</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PPR2C2	Pr <sub>6</sub> O <sub>11</sub> 99.999	5% HCl	1,000	500ml
PPR4A2	Pr <sub>6</sub> O <sub>11</sub> 99.999	5% HCl	10,000	100ml
PPR4B2	Pr <sub>6</sub> O <sub>11</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
<b>Rhenium</b>				
PRE1A7	NH <sub>4</sub> ReO <sub>4</sub> 99.999	H <sub>2</sub> O	100	100ml
PRE2A7	NH <sub>4</sub> ReO <sub>4</sub> 99.999	H <sub>2</sub> O	1,000	100ml
PRE2B7	NH <sub>4</sub> ReO <sub>4</sub> 99.999	H <sub>2</sub> O	1,000	250ml
PRE2C7	NH <sub>4</sub> ReO <sub>4</sub> 99.999	H <sub>2</sub> O	1,000	500ml
PRE4A7	NH <sub>4</sub> ReO <sub>4</sub> 99.999	H <sub>2</sub> O	10,000	100ml
PRE4B7	NH <sub>4</sub> ReO <sub>4</sub> 99.999	H <sub>2</sub> O	10,000	250ml
PRE2A2	NH <sub>4</sub> ReO <sub>4</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Rhodium</b>				
PRH2A2	(NH <sub>4</sub> ) <sub>3</sub> RhCl <sub>6</sub> 99.99	5% HNO <sub>3</sub>	100	100ml
PRH2A6	(NH <sub>4</sub> ) <sub>3</sub> RhCl <sub>6</sub> 99.99	2 - 5% HNO <sub>3</sub>	100	100ml
PRH1A8	(NH <sub>4</sub> ) <sub>3</sub> RhCl <sub>6</sub> 99.99	5% HCl	100	100ml
PRH2A8	(NH <sub>4</sub> ) <sub>3</sub> RhCl <sub>6</sub> 99.99	5% HCl	1,000	100ml
ICP-CYMRH-100	(NH <sub>4</sub> ) <sub>3</sub> RhCl <sub>6</sub> 99.99	3% HNO <sub>3</sub>	1,000	100ml
PRH2C8	(NH <sub>4</sub> ) <sub>3</sub> RhCl <sub>6</sub> 99.99	5% HCl	1,000	500ml
PRH4A8	(NH <sub>4</sub> ) <sub>3</sub> RhCl <sub>6</sub> 99.99	5% HCl	10,000	100ml
PRH2B3144	(NH <sub>4</sub> ) <sub>3</sub> RhCl <sub>6</sub> 99.99	10% HCl	1,000	100ml
PRH2B8	(NH <sub>4</sub> ) <sub>3</sub> RhCl <sub>6</sub> 99.99	10% HCl	1,000	250ml
PRH4B8	(NH <sub>4</sub> ) <sub>3</sub> RhCl <sub>6</sub> 99.99	10% HCl	10,000	250ml
<b>Rubidium</b>				
PRB1A2	RbNO <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	100	100ml
PRB2A2	RbNO <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	100ml
PRB2B2	RbNO <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	250ml
PRB2C2	RbNO <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	500ml
PRB4A2	RbNO <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	10,000	100ml
PRB4B2	RbNO <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	10,000	250ml
<b>Ruthenium</b>				
PRU1A8	(NH <sub>4</sub> ) <sub>3</sub> RuCl <sub>6</sub> 99.99	5% HCl	100	100ml
PRU2A8	(NH <sub>4</sub> ) <sub>3</sub> RuCl <sub>6</sub> 99.99	5% HCl	1,000	100ml
PRU2C8	(NH <sub>4</sub> ) <sub>3</sub> RuCl <sub>6</sub> 99.99	5% HCl	1,000	500ml
PRU4A8	(NH <sub>4</sub> ) <sub>3</sub> RuCl <sub>6</sub> 99.99	5% HCl	10,000	100ml
PRU2B8	(NH <sub>4</sub> ) <sub>3</sub> RuCl <sub>6</sub> 99.99	10% HCl	1,000	250ml
PRU3A8	(NH <sub>4</sub> ) <sub>3</sub> RuCl <sub>6</sub> 99.99	10% HCl	5,000	100ml
PRU3B8	(NH <sub>4</sub> ) <sub>3</sub> RuCl <sub>6</sub> 99.99	10% HCl	10,000	100ml
PRU4B8	(NH <sub>4</sub> ) <sub>3</sub> RuCl <sub>6</sub> 99.99	10% HCl	10,000	250ml
<b>Samarium</b>				
PSM1A2	Sm <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	100	100ml
PSM2A2	Sm <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	100ml
PSM2B2	Sm <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	250ml
PSM2C2	Sm <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	500ml
PSM4A2	Sm <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	10,000	100ml
PSM4B2	Sm <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	10,000	250ml
<b>Scandium</b>				
PSC1A2	Sc <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PSC1A2-500ml	Sc <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	100	500ml
PSC2A2	Sc <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PSC2B2	Sc <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PSC2C2	Sc <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PSC4A2	Sc <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PSC4B2	Sc <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
PSC2B4-500ML	Sc <sub>2</sub> O <sub>3</sub> 99.999	3.5% HNO <sub>3</sub>	1,000	500ml

## ICP-MS Single Element Standards

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Selenium</b>				
PSE001A5	SeO <sub>2</sub> 99.9	1% HCl	1	100ml
PSE005A5	SeO <sub>2</sub> 99.9	1% HCl	5	100ml
PSE010A5	SeO <sub>2</sub> 99.9	1% HCl	10	100ml
PSE9A2	Se 99.999	2 - 5% HNO <sub>3</sub>	0.5	100ml
PSE1A2	Se 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PSE1C3	Se 99.999	2 - 5% HNO <sub>3</sub>	100	500ml
PSE2A2	Se 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PSE2B2	Se 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PSE2C2	Se 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PSE4A2	Se 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PSE4B2	Se 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
PSE2C3	Se 99.999	0.5M HNO <sub>3</sub>	1,000	500ml
<b>Silicon</b>				
PSI05A5	Na <sub>2</sub> SiO <sub>3</sub> 99.9	1% HCl	50	100ml
PSI1A5	Na <sub>2</sub> SiO <sub>3</sub> 99.9	1% HCl	100	100ml
PSI1A9	(NH <sub>4</sub> ) <sub>2</sub> SiF <sub>6</sub> 99.99	0.05% HF	100	100ml
PSI2A9	(NH <sub>4</sub> ) <sub>2</sub> SiF <sub>6</sub> 99.99	0.05% HF	1,000	100ml
PSI2C9	(NH <sub>4</sub> ) <sub>2</sub> SiF <sub>6</sub> 99.99	0.05% HF	1,000	500ml
PSI4A9	(NH <sub>4</sub> ) <sub>2</sub> SiF <sub>6</sub> 99.99	0.05% HF	10,000	100ml
PSI4C9	(NH <sub>4</sub> ) <sub>2</sub> SiF <sub>6</sub> 99.99	0.05% HF	10,000	500ml
PSI2A7	Na <sub>2</sub> SiO <sub>3</sub> 99.9	H <sub>2</sub> O	1,000	100ml
PSI2B7	Na <sub>2</sub> SiO <sub>3</sub> 99.9	H <sub>2</sub> O	1,000	250ml
PSI2C7	Na <sub>2</sub> SiO <sub>3</sub> 99.9	H <sub>2</sub> O	1,000	500ml
PSI4A7	Na <sub>2</sub> SiO <sub>3</sub> 99.9	H <sub>2</sub> O	10,000	100ml
PSI4B7	Na <sub>2</sub> SiO <sub>3</sub> 99.9	H <sub>2</sub> O	10,000	250ml
PSi4B4-500ML	Na <sub>2</sub> SiO <sub>3</sub> 99.9	H <sub>2</sub> O	10,000	500ml
ICP-GLO-SI-100	(NH <sub>4</sub> ) <sub>2</sub> SiF <sub>6</sub> 99.99	1M HNO <sub>3</sub> + 1- 2% HF	1,000	100ml
PSI2A10	(NH <sub>4</sub> ) <sub>2</sub> SiF <sub>6</sub> 99.99	2 - 5% HNO <sub>3</sub> , tr. HF	1,000	100ml
PSI2C10	(NH <sub>4</sub> ) <sub>2</sub> SiF <sub>6</sub> 99.99	2 - 5% HNO <sub>3</sub> , tr. HF	1,000	500ml
PSI2A2	Na <sub>2</sub> SiO <sub>3</sub> 99.9	2 - 5% HNO <sub>3</sub>	1,000	100ml
PSI2C2	Na <sub>2</sub> SiO <sub>3</sub> 99.9	2 - 5% HNO <sub>3</sub>	1,000	500ml
PSI2B9	(NH <sub>4</sub> ) <sub>2</sub> SiF <sub>6</sub> 99.99	H <sub>2</sub> O, tr. HF	1,000	250ml
PSI4B9	(NH <sub>4</sub> ) <sub>2</sub> SiF <sub>6</sub> 99.99	H <sub>2</sub> O, tr. HF	10,000	250ml
<b>Silver</b>				
PAG1A2	Ag 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PAG2A2	Ag 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PAG2B2	Ag 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PAG2C2	Ag 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PAG4A2	Ag 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PAG4B2	Ag 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
PAG4B4-500ml	Ag 99.999	3.5% HNO <sub>3</sub>	10,000	500ml



Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Sodium</b>				
PNA10A2	NaNO <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	10	500ml
PNA1A2	NaNO <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	100	100ml
PNA2A2	NaNO <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	100ml
PNA2B2	NaNO <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	250ml
PNA2B4-500ML	NaNO <sub>3</sub> 99.99	3.5% HNO <sub>3</sub>	1,000	500ml
PNA2C2	NaNO <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	500ml
PNA5A2	NaNO <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	5,000	100ml
PNA4A2	NaNO <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	10,000	100ml
PNA4B4-500ML	NaNO <sub>3</sub> 99.99	3.5% HNO <sub>3</sub>	10,000	500ml
PNA2A3	NaCl 99.999	H <sub>2</sub> O	1,000	100ml
PNA2C3	NaCl 99.999	H <sub>2</sub> O	1,000	500ml
PNA4A3	NaCl 99.999	H <sub>2</sub> O	10,000	100ml
PNA2B3	NaCl 99.999	2 - 5% HCl	1,000	250ml
PNA4B3	NaCl 99.999	2 - 5% HCl	10,000	250ml
PNA4C3	NaCl 99.999	2 - 5% HCl	10,000	500ml
<b>Strontium</b>				
PSR1A2	SrCO <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	100	100ml
PSR2A2	SrCO <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	1,000	100ml
PSR2B2	SrCO <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	1,000	250ml
PSR2C2	SrCO <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	1,000	500ml
PSR4A2	SrCO <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	10,000	100ml
PSR4B2	SrCO <sub>3</sub> 99.995	2 - 5% HNO <sub>3</sub>	10,000	250ml
PSR4B4-500ML	SrCO <sub>3</sub> 99.995	3.5% HNO <sub>3</sub>	10,000	500ml
PSR2A3	SrCO <sub>3</sub> 99.995	2 - 5% HCl	1,000	100ml
PSR2B3	SrCO <sub>3</sub> 99.995	2 - 5% HCl	1,000	250ml
PSR2C3	SrCO <sub>3</sub> 99.995	2 - 5% HCl	1,000	500ml
PSR4A3	SrCO <sub>3</sub> 99.995	2 - 5% HCl	10,000	100ml
PSR4B3	SrCO <sub>3</sub> 99.995	2 - 5% HCl	10,000	250ml
<b>Sulphur</b>				
PS015A5	H <sub>2</sub> SO <sub>4</sub> 99.9	1% HCl	15	100ml
PS030A5	H <sub>2</sub> SO <sub>4</sub> 99.9	1% HCl	30	100ml
PS1A7	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> 99.999	H <sub>2</sub> O	100	100ml
PS1C9	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> 99.999	H <sub>2</sub> O	100	500ml
PS2A7	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> 99.999	H <sub>2</sub> O	1,000	100ml
PS2B7	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> 99.999	H <sub>2</sub> O	1,000	250ml
PS2C7	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> 99.999	H <sub>2</sub> O	1,000	500ml
PS5A7	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> 99.999	H <sub>2</sub> O	5,000	100ml
PS4A7	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> 99.999	H <sub>2</sub> O	10,000	100ml
PS4B7	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> 99.999	H <sub>2</sub> O	10,000	250ml
PS4B4-500ML	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> 99.999	H <sub>2</sub> O	10,000	500ml
PS4A2	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml

## ICP-MS Single Element Standards

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Tantalum</b>				
PTA1A9	Ta 99.98	1% HF + 5% HNO <sub>3</sub>	100	100ml
PTA2A9	Ta 99.98	1% HF + 5% HNO <sub>3</sub>	1,000	100ml
PTA2B9	Ta 99.98	1% HF + 5% HNO <sub>3</sub>	1,000	250ml
PTA2C9	Ta 99.98	1% HF + 5% HNO <sub>3</sub>	1,000	500ml
PTA4A9	Ta 99.98	1% HF + 5% HNO <sub>3</sub>	10,000	100ml
PTA4B9	Ta 99.98	H <sub>2</sub> O, tr. HF	10,000	250ml
<b>Tellurium</b>				
PTE1A10	Te 99.999	20% HCl	100	100ml
PTE2A10	Te 99.999	20% HCl	1,000	100ml
PTE2C10	Te 99.999	20% HCl	1,000	500ml
PTE2A11	Te 99.999	1% HCl	1,000	100ml
PTE2A8	Te 99.999	10% HCl	1,000	100ml
PTE2B8	Te 99.999	10% HCl	1,000	250ml
PTE2B10	Te 99.999	5% HNO <sub>3</sub>	1,000	250ml
PTE4B11	Te 99.999	20% HNO <sub>3</sub>	10,000	250ml
PTE4B9	Te 99.999	30% HCl	10,000	100ml
PTE4B12	Te 99.999	30% HCl	10,000	250ml
<b>Terbium</b>				
PTB1A2	Tb <sub>4</sub> O <sub>7</sub> 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PTB1A2-125ml	Tb <sub>4</sub> O <sub>7</sub> 99.999	2 - 5% HNO <sub>3</sub>	100	125ml
PTB1A2-500ml	Tb <sub>4</sub> O <sub>7</sub> 99.999	2 - 5% HNO <sub>3</sub>	100	500ml
PTB2A2	Tb <sub>4</sub> O <sub>7</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PTB2B2	Tb <sub>4</sub> O <sub>7</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PTB2C2	Tb <sub>4</sub> O <sub>7</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PTB4A2	Tb <sub>4</sub> O <sub>7</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PTB4B2	Tb <sub>4</sub> O <sub>7</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
<b>Thallium</b>				
PTL1A2	TlNO <sub>3</sub> 99.9995	2 - 5% HNO <sub>3</sub>	100	100ml
PTL2A2	TlNO <sub>3</sub> 99.9995	2 - 5% HNO <sub>3</sub>	1,000	100ml
PTL2B2	TlNO <sub>3</sub> 99.9995	2 - 5% HNO <sub>3</sub>	1,000	250ml
PTL2C2	TlNO <sub>3</sub> 99.9995	2 - 5% HNO <sub>3</sub>	1,000	500ml
PTL4A2	TlNO <sub>3</sub> 99.9995	2 - 5% HNO <sub>3</sub>	10,000	100ml
PTL4B2	TlNO <sub>3</sub> 99.9995	2 - 5% HNO <sub>3</sub>	10,000	250ml
PTI4B4-500ML	Tl 99.99	20% HCl	10,000	500ml
<b>Thorium</b>				
PTH1A2	ThO <sub>2</sub> 99.95	2 - 5% HNO <sub>3</sub>	100	100ml
PTH2A2	ThO <sub>2</sub> 99.95	2 - 5% HNO <sub>3</sub>	1,000	100ml
PTH2B2	ThO <sub>2</sub> 99.95	2 - 5% HNO <sub>3</sub>	1,000	250ml
PTH2C2	ThO <sub>2</sub> 99.95	2 - 5% HNO <sub>3</sub>	1,000	500ml
PTH4A2	ThO <sub>2</sub> 99.95	2 - 5% HNO <sub>3</sub>	10,000	100ml
PTH4B2	ThO <sub>2</sub> 99.95	2 - 5% HNO <sub>3</sub>	10,000	250ml
PTH4B4-500ML	ThO <sub>2</sub> 99.95	3.5% HNO <sub>3</sub>	10,000	500ml

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Thulium</b>				
PTM1A2	Tm <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	100	100ml
PTM2A2	Tm <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	100ml
PTM2B2	Tm <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	250ml
PTM2C2	Tm <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	500ml
PTM4A2	Tm <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	10,000	100ml
PTM4B2	Tm <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	10,000	250ml
<b>Tin</b>				
PSN1A5	Sn 99.999	1% HF + 5% HNO <sub>3</sub>	100	100ml
PSN2A5	Sn 99.999	1% HF + 5% HNO <sub>3</sub>	1,000	100ml
PSN2C5	Sn 99.999	1% HF + 5% HNO <sub>3</sub>	1,000	500ml
PSN2C5-1000ML	Sn 99.999	1% HF + 5% HNO <sub>3</sub>	1,000	1L
PSN4A5	Sn 99.999	1% HF + 5% HNO <sub>3</sub>	10,000	100ml
PSN2A13	Sn 99.999	10% HCl	1,000	100ml
PSN2C13	Sn 99.999	10% HCl	1,000	500ml
PSN4A19	Sn 99.999	20% HCl	10,000	100ml
PSN2A10	Sn 99.999	H <sub>2</sub> O, tr. HF	10	100ml
PSN2A11	Sn 99.999	1% HCl	1,000	100ml
PSN2B13	Sn 99.999	1% HNO <sub>3</sub> , 1% HF	1,000	250ml
PSN2B5	Sn 99.999	20% HCl, 1% HF	1,000	250ml
PSN4B5	Sn 99.999	20% HCl, 1% HF	10,000	100ml
PSN2C4	Sn 99.999	2M HCl	1,000	500ml
PSN4B19	Sn 99.999	2% HNO <sub>3</sub>	10,000	250ml
PSN4B4-500ML	Sn 99.999	3.5% HNO <sub>3</sub>	10,000	500ml
<b>Titanium</b>				
PTI1A9	Ti 99.98	1% HF + 5% HNO <sub>3</sub>	100	100ml
PTI2A9	Ti 99.98	1% HF + 5% HNO <sub>3</sub>	1,000	100ml
PTI2C9	Ti 99.98	1% HF + 5% HNO <sub>3</sub>	1,000	500ml
PTI4A9	Ti 99.98	1% HF + 5% HNO <sub>3</sub>	10,000	100ml
PTI2A10	Ti 99.98	2 - 5% HNO <sub>3</sub> , tr. HF	1,000	100ml
PTI2A6	Ti 99.98	2 - 5% HNO <sub>3</sub>	1,000	100ml
PTI2B5	Ti 99.98	20% HCl	1,000	250ml
PTI4B5	Ti 99.98	20% HCl	10,000	250ml
PTI4B4-500ML	Ti 99.98	20% HCl	10,000	500ml
PTI2B9	Ti 99.98	H <sub>2</sub> O, tr. HF	1,000	250ml
PTI4B9	Ti 99.98	H <sub>2</sub> O, tr. HF	10,000	250ml
<b>Tungsten</b>				
PW2A7	W 99.99+	2% NH <sub>4</sub> OH	1,000	100ml
PW2B7	W 99.99+	2% NH <sub>4</sub> OH	1,000	250ml
PW2C7	W 99.99+	2% NH <sub>4</sub> OH	1,000	500ml
PW4A7	W 99.99+	2% NH <sub>4</sub> OH	10,000	100ml
PW4B7	W 99.99+	2% NH <sub>4</sub> OH	10,000	250ml
PW2A14	W 99.99+	1% HNO <sub>3</sub> + 2% HF	1,000	100ml
PW2B14	W 99.99+	1% HNO <sub>3</sub> + 2% HF	1,000	250ml
PW4B15	W 99.99+	2% HNO <sub>3</sub> + 5% HF	10,000	250ml

## ICP-MS Single Element Standards

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Uranium</b>				
PU1A2	U <sub>3</sub> O <sub>8</sub> 99.95	2 - 5% HNO <sub>3</sub>	100	100ml
PU2A2	U <sub>3</sub> O <sub>8</sub> 99.95	2 - 5% HNO <sub>3</sub>	1,000	100ml
PU2B2	U <sub>3</sub> O <sub>8</sub> 99.95	2 - 5% HNO <sub>3</sub>	1,000	250ml
PU2C2	U <sub>3</sub> O <sub>8</sub> 99.95	2 - 5% HNO <sub>3</sub>	1,000	500ml
PU4B4-500ML	U <sub>3</sub> O <sub>8</sub> 99.95	3.5% HNO <sub>3</sub>	10,000	500ml
<b>Vanadium</b>				
PV1A19	NH <sub>4</sub> VO <sub>3</sub> 99.95+	2 - 5% HNO <sub>3</sub>	100	100ml
PV2A19	NH <sub>4</sub> VO <sub>3</sub> 99.95+	2 - 5% HNO <sub>3</sub>	1,000	100ml
PV2C19	NH <sub>4</sub> VO <sub>3</sub> 99.95+	2 - 5% HNO <sub>3</sub>	1,000	500ml
PV4A19	NH <sub>4</sub> VO <sub>3</sub> 99.95+	2 - 5% HNO <sub>3</sub>	10,000	100ml
PV2B19	NH <sub>4</sub> VO <sub>3</sub> 99.95+	2% HNO <sub>3</sub>	1,000	250ml
PV2B3	V <sub>2</sub> O <sub>4</sub> 99.0	2% HCl	1,000	250ml
PV4B16	NH <sub>4</sub> VO <sub>3</sub> 99.95+	15% HNO <sub>3</sub>	10,000	250ml
PV4B18	V <sub>2</sub> O <sub>4</sub> 99.0	15% HCl	10,000	250ml
PV4B4-500ML	NH <sub>4</sub> VO <sub>3</sub> 99.95+	10% HNO <sub>3</sub>	10,000	500ml
<b>Ytterbium</b>				
PYB2A2	Yb <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	100ml
PYB2B2	Yb <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	250ml
PYB2C2	Yb <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	1,000	500ml
PYB4A2	Yb <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	10,000	100ml
PYB4B2	Yb <sub>2</sub> O <sub>3</sub> 99.99	2 - 5% HNO <sub>3</sub>	10,000	250ml
<b>Yttrium</b>				
PY1A2	Y <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PY1A2-125ml	Y <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	100	125ml
PY1C3	Y <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	100	500ml
PY2A2	Y <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PY2B2	Y <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PY2C2	Y <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PY4A2	Y <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PY4B2	Y <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	250ml
PY4B2-500ml	Y <sub>2</sub> O <sub>3</sub> 99.999	2 - 5% HNO <sub>3</sub>	10,000	500ml

Product No.	Starting Material and its Purity %	Matrix	Conc µg/ml	Pack Size
<b>Zinc</b>				
PZN1A2	Zn 99.999	2 - 5% HNO <sub>3</sub>	100	100ml
PZN1C3	Zn 99.999	2 - 5% HNO <sub>3</sub>	100	500ml
PZN2A2	Zn 99.999	2 - 5% HNO <sub>3</sub>	1,000	100ml
PZN2B2	Zn 99.999	2 - 5% HNO <sub>3</sub>	1,000	250ml
PZN2C2	Zn 99.999	2 - 5% HNO <sub>3</sub>	1,000	500ml
PZN4A2	Zn 99.999	2 - 5% HNO <sub>3</sub>	10,000	100ml
PZN4B4-500ML	Zn 99.999	3.5% HNO <sub>3</sub>	10,000	500ml
PZN2A3	Zn 99.999	2% HCl	1,000	100ml
PZN2B3	Zn 99.999	2 - 5% HCl	1,000	250ml
PZN2C3	Zn 99.999	2% HCl	1,000	500ml
PZN4A3	Zn 99.999	2% HCl	10,000	100ml
PZN4B3	Zn 99.999	2 - 5% HCl	10,000	250ml
PZN4C3	Zn 99.999	2 - 5% HCl	10,000	500ml
<b>Zirconium</b>				
PZR1A2	Zr 99.98	1% HF + 5% HNO <sub>3</sub>	100	100ml
PZR2A2	Zr 99.98	1% HF + 5% HNO <sub>3</sub>	1,000	100ml
PZR2C2	Zr 99.98	1% HF + 5% HNO <sub>3</sub>	1,000	500ml
PZR2C2-1000ml	Zr 99.98	1% HF + 5% HNO <sub>3</sub>	1,000	1L
PZR4A2	Zr 99.98	1% HF + 5% HNO <sub>3</sub>	10,000	100ml
PZR2B2	Zr 99.98	2 - 5% HNO <sub>3</sub>	1,000	250ml
PZR4B2	Zr 99.98	2 - 5% HNO <sub>3</sub>	10,000	250ml
PZR2B8	ZrOCl <sub>2</sub> ·8H <sub>2</sub> O 99.5	10% HCl	1,000	250ml

## ICP - MS Multi Element Standards

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Tuning Standard, 33 Elements</b>				
REICPTUNE33A	Ag	5	20% Hydrochloric Acid & tr. Hydrofluoric Acid	100ml
	As	20		
	Ba	5		
	Be	20		
	Bi	5		
	Cd	20		
	Co	5		
	Cr	5		
	Cu	5		
	Ge	10		
	In	5		
	Ir	5		
	Li	5		
	Lu	5		
	Mg	10		
	Mn	5		
	Mo	10		
	Na	5		
	Ni	10		
	Pb	10		
	Pd	10		
	Ru	10		
	Sb	10		
	Sc	5		
	Sn	10		
	Sr	5		
	Tb	2.5		
	Th	5		
	Ti	5		
	Tl	5		
	U	5		
	V	5		
	Y	2.5		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Calibration Standard, 29 Elements</b>				
REICPCAL29A	Ag	10	2-5% Nitric Acid	100ml
	Al	10		
	As	100		
	B	100		
	Ba	10		
	Be	100		
	Bi	10		
	Ca	1000		
	Cd	10		
	Co	10		
	Cr	10		
	Cu	10		
	Fe	100		
	Ga	10		
	K	10		
	Li	10		
	Mg	10		
	Mn	10		
	Mo	10		
	Na	10		
	Ni	10		
	Pb	10		
	Rb	10		
	Se	100		
	Sr	10		
	Te	10		
	Tl	10		
	U	10		
	V	10		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Calibration Standard, 26 Elements</b>				
REICPCAL26A	Ag	10	2-5% Nitric Acid	100ml
	Al	10		
	As	10		
	Ba	10		
	Be	10		
	Ca	10		
	Cd	10		
	Co	10		
	Cr	10		
	Cs	10		
	Cu	10		
	Fe	10		
	Ga	10		
	K	10		
	Li	10		
	Mg	10		
	Mn	10		
	Na	10		
	Ni	10		
	Pb	10		
	Rb	10		
Se	10			
Sr	10			
Tl	10			
U	10			
V	10			
<b>Multi Element Tuning Standard, 25 Elements</b>				
REICPTUNE25A	Ag	10	5% Nitric Acid & tr. Hydrofluoric Acid & tr. Tartaric Acid	100ml
	Al	10		
	As	10		
	Ba	10		
	Be	10		
	Ca	1000		
	Cd	10		
	Co	10		
	Cr	10		
	Cu	10		
	Fe	1000		
	K	1000		
	Mg	1000		
	Mn	10		
	Mo	10		
	Na	1000		
	Ni	10		
	Pb	10		
	Sb	10		
	Se	10		
	Sr	10		
	Ta	10		
	Th	10		
	U	10		
	V	10		



Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Verification Standard, 24 Elements according to Test Method 200.8</b>				
REICPVER24A	Ag	10	2-5% Nitric Acid	100ml
	Al	10		
	As	10		
	Ba	10		
	Be	10		
	Ca	10		
	Cd	10		
	Co	10		
	Cr	10		
	Cu	10		
	Fe	10		
	K	10		
	Mg	10		
	Mn	10		
	Mo	10		
	Na	10		
	Ni	10		
	Pb	10		
	Sb	10		
	Se	10		
Th	10			
Tl	10			
U	10			
V	10			
<b>Multi Element Tuning Standard, 23 Elements</b>				
REICPTUNE23A	Al	100	2-5% Nitric Acid	100ml
	B	100		
	Ba	100		
	Be	100		
	Bi	100		
	Ca	100		
	Cd	100		
	Co	100		
	Cr	100		
	Cu	100		
	Fe	100		
	Ga	100		
	K	100		
	Li	100		
	Mg	100		
	Mn	100		
	Na	100		
	Ni	100		
	Pb	100		
	Se	100		
	Sr	100		
	Te	100		
	Tl	100		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Standard, 23 Elements</b>				
ICP23A20	As	100	5% Nitric Acid & 0.2% Hydrofluoric Acid	100ml
	Be	100		
	Ca	100		
	Cd	100		
	Co	100		
	Cr	100		
	Cu	100		
	Fe	100		
	Li	100		
	Mg	100		
	Mn	100		
	Mo	100		
	Ni	100		
	P	100		
	Pb	100		
	Sb	100		
	Se	100		
	Sn	100		
	Sr	100		
	Ti	100		
Tl	100			
V	100			
Zn	100			
<b>Multi Element Calibration Standard, 21 Elements according to Test Method 200.7</b>				
REICPCAL21A	Ag	50	5% Nitric Acid	100ml
	As	500		
	B	200		
	Ba	200		
	Be	200		
	Ca	1000		
	Cd	200		
	Ce	200		
	Co	200		
	Cr	200		
	Cu	200		
	K	1000		
	Mg	1000		
	Mn	200		
	Ni	200		
	P	1000		
	Pb	200		
	Se	500		
	Sr	200		
	Tl	500		
V	200			

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Verification Standard, 21 Elements according to Test Method 200.7</b>				
REICPVER21A	Ag	100	5% Nitric Acid	100ml
	As	100		
	B	100		
	Ba	100		
	Be	100		
	Ca	100		
	Cd	100		
	Ce	100		
	Co	100		
	Cr	100		
	Cu	100		
	Hg	100		
	Mg	100		
	Mn	100		
	Ni	100		
	P	100		
	Pb	100		
	Se	100		
	Sr	100		
	Tl	100		
	V	100		
<b>Multi Element Verification Standard, 21 Elements according to Test Method 200.7</b>				
REICPVER21B	Ag	20	5% Nitric Acid	100ml
	As	100		
	B	100		
	Ba	100		
	Be	100		
	Ca	100		
	Cd	100		
	Ce	100		
	Co	100		
	Cr	100		
	Cu	100		
	K	500		
	Mg	100		
	Mn	100		
	Ni	100		
	P	500		
	Pb	100		
	Se	100		
	Sr	100		
	Tl	100		
	V	100		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Standard, 21 Elements</b>				
ICP21-100-100	As	100	2-5% Nitric Acid & tr. Hydrofluoric Acid	100ml
	Be	100		
	Ca	100		
	Cd	100		
	Co	100		
	Cr	100		
	Cu	100		
	Fe	100		
	Li	100		
	Mg	100		
	Mn	100		
	Mo	100		
	Ni	100		
	Pb	100		
	Sb	100		
	Se	100		
	Sr	100		
	Ti	100		
	Tl	100		
	V	100		
	Zn	100		
<b>Multi Element Calibration Standard, 20 Elements according to Test Method 6020</b>				
REICPCAL20A	Ag	10	2% Nitric Acid & tr. Tartaric Acid	100ml
	As	10		
	Ba	10		
	Be	10		
	Ca	10		
	Cd	10		
	Co	10		
	Cr	10		
	Cu	10		
	Fe	10		
	K	10		
	Mg	10		
	Mn	10		
	Na	10		
	Ni	10		
	Pb	10		
	Sb	10		
	Se	10		
	Tl	10		
	V	10		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Verification Standard, 20 Elements</b>				
REICPVER20A	As	100	5% Nitric Acid & tr. Hydrofluoric Acid & tr. Tartaric Acid	100ml
	Be	100		
	Ca	100		
	Cd	100		
	Co	100		
	Cr	100		
	Cu	100		
	Fe	100		
	Li	100		
	Mg	100		
	Mn	100		
	Mo	100		
	Ni	100		
	Pb	100		
	Sb	100		
	Se	100		
	Sr	100		
	Ti	100		
	Tl	100		
	V	100		
<b>Multi Element Calibration Standard, 19 Elements</b>				
REICPCAL19A	Ag	10	5% Nitric Acid & tr. Hydrofluoric Acid & tr. Tartaric Acid	100ml
	Al	10		
	As	10		
	Ba	10		
	Be	10		
	Cd	10		
	Co	10		
	Cu	10		
	Fe	1000		
	Mg	1000		
	Mn	10		
	Na	1000		
	Pb	10		
	Sb	10		
	Sr	10		
	Th	10		
	Tl	10		
	U	10		
	V	10		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Standard, 19 Elements</b>				
ICP-HR-195	Al	100	2-5% Nitric Acid	500ml
	As	100		
	Ba	100		
	Bi	100		
	Ca	100		
	Cd	100		
	Co	100		
	Cr	100		
	Cu	100		
	Mg	100		
	Mn	100		
	Mo	100		
	K	100		
	Pb	100		
	Ni	100		
	Se	100		
	Ti	100		
	V	100		
	Zn	100		
<b>Multi Element Standard, 19 Elements</b>				
ICP19A10	Al	100	2% Nitric Acid	100ml
	Ba	5		
	Be	1		
	Bi	200		
	B	15		
	Cd	20		
	Cr	25		
	Co	20		
	Cu	30		
	Ga	150		
	In	200		
	Fe	15		
	Pb	200		
	Mn	5		
	Ni	50		
	Ag	50		
	Sr	1		
	Tl	40		
	Zn	20		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Standard, 18 Elements</b>				
ICP-JM-ME4A	Al	8	5% Hydrochloric Acid	500ml
	Ca	4		
	Ce	4		
	Co	4		
	Cr	4		
	Cu	4		
	Fe	4		
	Ni	4		
	P	4		
	S	4		
	Zn	4		
	K	4		
	La	4		
	Si	4		
	Mg	1.6		
	Mn	1.6		
	Na	1.6		
	Pd	1.6		
<b>Multi Element Standard, 18 Elements</b>				
ICP-JM-ME10A	Al	20	5% Hydrochloric Acid	500ml
	Ca	10		
	Ce	10		
	Co	10		
	Cr	10		
	Cu	10		
	Fe	10		
	Ni	10		
	P	10		
	S	10		
	Zn	10		
	K	10		
	La	10		
	Si	10		
	Mg	4		
	Mn	4		
	Na	4		
	Pd	4		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Verification Standard, 18 Elements</b>				
REICPVER18A	As	100	5% Nitric Acid & tr. Hydrofluoric Acid & tr. Tartaric Acid	100ml
	Be	100		
	Ca	100		
	Cd	100		
	Co	100		
	Cr	100		
	Cu	100		
	Fe	100		
	Mg	100		
	Mn	100		
	Mo	100		
	Ni	100		
	Pb	100		
	Sb	100		
	Se	100		
	Th	100		
	Tl	100		
	V	100		
<b>Multi Element Standard, 18 Elements</b>				
ICPM002	Ag	100	5% Nitric Acid	125ml
	Al	100		
	As	100		
	Ba	100		
	Be	100		
	Cd	100		
	Co	100		
	Cr	100		
	Cu	100		
	Mn	100		
	Ni	100		
	Pb	100		
	Se	100		
	Th	100		
	Tl	100		
	U	100		
	V	100		
	Zn	100		



Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Standard, 18 Elements</b>				
ICP-MIX1-CYM	As	10	2% Nitric Acid	100ml
	Cd	10		
	Se	10		
	Cr	10		
	Cu	10		
	Ni	100		
	Pb	100		
	Zn	100		
	Ba	100		
	Al	100		
	B	100		
	Be	100		
	Co	100		
	Fe	100		
	Mn	100		
	Sr	100		
	Tl	100		
V	100			
<b>Multi Element Verification Standard, 17 Elements according to Test Method 6010</b>				
REICPVER17A	Ag	10	5% Nitric Acid & tr. Hydrofluoric Acid & tr. Tartaric Acid	100ml
	Al	200		
	As	15		
	Ba	200		
	Be	5		
	Cd	5		
	Co	50		
	Cr	10		
	Cu	25		
	Fe	100		
	Mn	15		
	Ni	40		
	Pb	10		
	Sb	60		
	Se	35		
	Tl	25		
	V	50		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Spiking Standard, 17 Elements</b>				
REICPSPIK17A	Ag	25	5% Nitric Acid & tr. Hydrofluoric Acid & tr. Tartaric Acid	100ml
	Al	2000		
	As	1000		
	Ba	1000		
	Be	25		
	Cd	25		
	Co	100		
	Cr	200		
	Fe	2000		
	Mn	200		
	Mo	200		
	Ni	200		
	Pb	200		
	Sb	200		
	Se	1000		
	Tl	200		
	V	200		
<b>Multi Element Calibration Standard, 17 Elements according to Test Method 200.8</b>				
REICPCAL17A	Al	10	5% Nitric Acid & tr. Tartaric Acid	100ml
	As	10		
	Be	10		
	Cd	10		
	Co	10		
	Cr	10		
	Cu	10		
	Mn	10		
	Mo	10		
	Ni	10		
	Pb	10		
	Sb	10		
	Se	10		
	Th	10		
	Tl	10		
	U	10		
	V	10		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Calibration Standard, 17 Elements according to Test Method 200.8</b>				
REICPCAL17B	Al	10	5% Nitric Acid & tr. Tartaric Acid	100ml
	As	10		
	Be	10		
	Cd	10		
	Co	10		
	Cr	10		
	Cu	10		
	Mn	10		
	Mo	10		
	Ni	10		
	Pb	10		
	Sb	10		
	Se	50		
	Th	10		
	Tl	10		
	U	10		
	V	10		
<b>Multi Element Calibration Standard, 17 Elements</b>				
REICPCAL17D	Ag	100	2-5% Nitric Acid	100ml
	Al	100		
	As	100		
	Ba	100		
	Be	100		
	Cd	100		
	Co	100		
	Cr	100		
	Cu	100		
	Mn	100		
	Ni	100		
	Pb	100		
	Se	100		
	Th	100		
	Tl	100		
	U	100		
	V	100		
<b>Multi Element Calibration Standard, 17 Elements according to Test Method 200.8</b>				
REICPCAL17E	Ag	20	2-5% Nitric Acid	100ml
	Al	20		
	As	20		
	Ba	20		
	Be	20		
	Cd	20		
	Co	20		
	Cr	20		
	Cu	20		
	Mn	20		
	Ni	20		
	Pb	20		
	Se	20		
	Th	20		
	Tl	20		
	U	20		
	V	20		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Calibration Standard, 17 Elements according to Test Method 200.8</b>				
REICPCAL17F	Al	10	5% Nitric Acid & tr. Tartaric Acid	100ml
	As	10		
	Be	10		
	Cd	10		
	Co	10		
	Cr	10		
	Mg	10		
	Mn	10		
	Mo	10		
	Ni	10		
	Pb	10		
	Sb	10		
	Se	10		
	Th	10		
	Tl	10		
	U	10		
	V	10		
<b>Multi Element Verification Standard, 16 Elements</b>				
REICPVER16A	Ag	10	5% Nitric Acid & tr. Hydrofluoric Acid	100ml
	Al	300		
	As	10		
	Ba	100		
	Be	10		
	Cd	10		
	Co	5		
	Cr	20		
	Cu	20		
	Mn	5		
	Ni	10		
	Pb	10		
	Sb	20		
	Se	50		
	Ta	10		
	V	10		
<b>Multi Element Interference Standard, 16 Elements according to Test Method 05.2</b>				
REICPINTF16A	Ag	10	5% Nitric Acid & tr. Hydrofluoric Acid	100ml
	Al	10		
	As	10		
	Ba	10		
	Be	10		
	Cd	10		
	Co	10		
	Cr	10		
	Cu	10		
	Mn	10		
	Ni	10		
	Pb	10		
	Sb	10		
	Se	10		
	Tl	10		
	V	10		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Interference Standard, 16 Elements according to Test Method 200.7</b>				
REICPINTF16B	Ag	300	5% Nitric Acid	100ml
	As	1000		
	Ba	300		
	Be	100		
	Ca	300		
	Co	300		
	Cr	300		
	Cu	300		
	Hg	50		
	K	20000		
	Mn	200		
	Ni	300		
	Pb	1000		
	Se	500		
	Tl	1000		
	V	1000		
<b>Multi Element Calibration Standard, 16 Elements</b>				
REICPCAL16A	Ag	10	2-5% Nitric Acid	100ml
	Al	10		
	Ca	10		
	Co	10		
	Cr	10		
	Cs	10		
	Cu	10		
	Fe	10		
	K	10		
	Li	10		
	Mg	10		
	Mn	10		
	Na	10		
	Ni	10		
	Rb	10		
	Sr	10		
<b>Multi Element Calibration Standard, 16 Elements</b>				
REICPCAL16B	Al	100	2-5% Nitric Acid	100ml
	As	100		
	Ba	100		
	Be	100		
	Bi	100		
	Ca	100		
	Cs	100		
	Ga	100		
	In	100		
	K	100		
	Li	100		
	Mg	100		
	Na	100		
	Rb	100		
	Se	100		
	Sr	100		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Verification Standard, 16 Elements</b>				
REICPVER16B	Ag	10	Nitric Acid & tr. Hydrofluoric Acid	100ml
	Al	10		
	As	10		
	Ba	10		
	Be	10		
	Cd	10		
	Co	10		
	Cr	10		
	Cu	10		
	Mn	10		
	Ni	10		
	Pb	10		
	Sb	10		
	Se	10		
	Tl	10		
	V	10		
<b>Multi Element Standard, 16 Elements</b>				
ICP-LAN16-100	Ce	100	5% Nitric Acid	100ml
	La	100		
	Nd	100		
	Pr	100		
	Dy	20		
	Er	20		
	Eu	20		
	Gd	20		
	Ho	20		
	Lu	20		
	Sc	20		
	Sm	20		
	Tb	20		
	Tm	20		
	Y	20		
	Yb	20		
<b>Multi Element Calibration Standard, 15 Elements according to Test Method 200.8</b>				
REICPCAL15B	Al	10	5% Nitric Acid & tr. Hydrofluoric Acid	100ml
	As	10		
	Be	10		
	Cd	10		
	Co	10		
	Mn	10		
	Mo	10		
	Ni	10		
	Pb	10		
	Sb	10		
	Se	10		
	Th	10		
	Tl	10		
	U	10		
	V	10		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Interference Standard, 15 Elements according to Test Method 6010</b>				
REICPINTF15A	Ag	20	5% Nitric Acid & tr. Hydrofluoric Acid	100ml
	As	10		
	Ba	50		
	Be	50		
	Cd	100		
	Co	50		
	Cr	50		
	Cu	50		
	Mn	50		
	Ni	100		
	Pb	5		
	Sb	60		
	Se	5		
	Tl	10		
	V	50		
<b>Multi Element Tuning Standard, 15 Elements</b>				
REICPTUNE15A	B	10	Nitric Acid tr. Hydrochloric Acid	100ml
	Ba	10		
	Co	10		
	Fe	10		
	Ga	10		
	In	10		
	K	10		
	Li	10		
	Lu	10		
	Na	10		
	Rh	10		
	Sc	10		
	Th	10		
	U	10		
	Y	10		
<b>Multi Element Interference Standard, 15 Elements according to Test Method 200.7</b>				
REICPINTF15B	Ag	300	2-5% Nitric Acid	100ml
	As	1000		
	Ba	300		
	Be	100		
	Cd	300		
	Co	300		
	Cr	300		
	Cu	300		
	K	20000		
	Mn	200		
	Ni	300		
	Pb	1000		
	Se	500		
	Tl	1000		
	V	300		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Standard, 15 Elements</b>				
ICP15A10	Al	100	2-5% Nitric Acid	100ml
	Ba	100		
	Ca	100		
	Cd	100		
	Co	100		
	Cr	100		
	Cu	100		
	Fe	100		
	Mg	100		
	Mn	100		
	Na	100		
	Ni	100		
	Pb	100		
	Ti	100		
Zn	100			
<b>Multi Element Standard, 15 Elements</b>				
ICPMIX15-100	Al	1000	5% Nitric Acid	100ml
	Ba	1000		
	Ca	1000		
	Cd	1000		
	Co	1000		
	Cr	1000		
	Cu	1000		
	Fe	1000		
	Mg	1000		
	Mn	1000		
	Na	1000		
	Ni	1000		
	Pb	1000		
	Ti	1000		
Zn	1000			
<b>Multi Element Verification Standard, 14 Elements</b>				
REICPVER14A	Ag	20	5% Nitric Acid tr. Hydrochloric Acid	100ml
	As	20		
	Be	10		
	Cd	10		
	Co	100		
	Cr	20		
	Cu	50		
	Mn	30		
	Ni	80		
	Pb	6		
	Sb	120		
	Se	10		
	Tl	20		
	V	100		



Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Calibration Standard, 14 Elements</b>				
REICPCAL14A	Al	500	5% Nitric Acid	100ml
	As	100		
	Be	100		
	Cd	25		
	Co	100		
	Cr	100		
	Cu	100		
	Fe	100		
	Hg	100		
	Mn	100		
	Ni	100		
	Pb	100		
	Se	25		
	V	250		
<b>Multi Element Calibration Standard, 14 Elements</b>				
REICPCAL14B	B	100	Nitric Acid & tr. Hydrofluoric Acid	100ml
	Ge	100		
	Hf	100		
	Mo	100		
	Nb	100		
	P	100		
	Re	100		
	S	100		
	Sb	100		
	Si	100		
	Sn	100		
	Ta	100		
	Ti	100		
	W	100		
<b>Multi Element Calibration Standard, 14 Elements</b>				
REICPCAL14C	Al	5	5% Nitric Acid & tr. Hydrofluoric Acid	100ml
	As	5		
	Ba	5		
	Cd	5		
	Co	5		
	Cr	5		
	Cu	5		
	K	50		
	Mn	5		
	Mo	5		
	Ni	5		
	Pb	5		
	Se	5		
	Sr	5		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Calibration Standard, 14 Elements</b>				
REICPCAL14D	Al	50	2-5% Nitric Acid	100ml
	As	50		
	Ba	50		
	Cd	50		
	Co	50		
	Cr	50		
	Cu	50		
	K	500		
	Mn	50		
	Mo	50		
	Ni	50		
	Pb	50		
	Se	50		
	Sr	50		
<b>Multi Element Calibration Standard, 13 Elements</b>				
REICPCAL13A	As	10	2-5% Nitric Acid & tr. Hydrofluoric Acid	100ml
	B	10		
	Ba	10		
	Be	10		
	Bi	10		
	Cd	10		
	Ga	10		
	In	10		
	Pb	10		
	Sb	10		
	Se	10		
	Tl	10		
	V	10		
<b>Multi Element Calibration Standard, 13 Elements</b>				
REICPCAL13B	Al	500	2-5% Nitric Acid	100ml
	As	100		
	Be	100		
	Cd	25		
	Co	100		
	Cr	100		
	Cu	100		
	Fe	100		
	Mn	100		
	Ni	100		
	Pb	100		
	Se	25		
	V	250		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Standard, 13 Elements</b>				
ICP13-MIX-100	Al	100	2% Nitric Acid	100ml
	Ba	100		
	Fe	100		
	V	100		
	Zn	100		
	Cu	50		
	Mn	50		
	Pb	20		
	Ni	10		
	Be	5		
	Cd	5		
	Co	5		
	Cr	5		
<b>Multi Element Standard, 12 Elements</b>				
ICP12MIX3A	Al	100	2-5% Nitric Acid	100ml
	As	100		
	Ba	100		
	Cd	100		
	Cu	100		
	K	100		
	Mg	100		
	Mn	100		
	P	100		
	Pb	100		
	Se	100		
	Zn	100		
<b>Multi Element Standard, 12 Elements</b>				
ICP-STL-136	Al	1000	2-5% Nitric Acid & tr. Hydrofluoric Acid	500ml
	As	1000		
	Ba	1000		
	Cd	1000		
	Cu	1000		
	Cr	1000		
	Fe	1000		
	Ni	1000		
	Pb	1000		
	Se	1000		
	V	1000		
	Zn	1000		
<b>Multi Element Standard, 12 Elements</b>				
ICP12-100-100	Ag	100	2-5% Nitric Acid tr. Hydrofluoric Acid	100ml
	As	100		
	Cd	100		
	Cr	100		
	Cu	100		
	Fe	100		
	Mn	100		
	Ni	100		
	Pb	100		
	Sb	100		
	Se	100		
	Zn	100		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Standard, 12 Elements</b>				
ICP12-10-100	Be	10	2% Nitric Acid	100ml
	Co	10		
	Cs	10		
	In	10		
	Li	10		
	Mg	10		
	Pb	10		
	Sc	10		
	Tb	10		
	Tm	10		
	U	10		
	Y	10		
<b>Multi Element Standard, 12 Elements</b>				
ICP12-102-100	Ag	10	2-5% Nitric Acid & tr. Hydrofluoric Acid	100ml
	As	10		
	Cd	10		
	Cr	10		
	Cu	10		
	Fe	10		
	Mn	10		
	Ni	10		
	Pb	10		
	Sb	10		
	Se	10		
	Zn	10		
<b>Multi Element Standard, 12 Elements</b>				
ICP12-50-100	Be	50	2% Nitric Acid	100ml
	Co	50		
	Ca	50		
	In	50		
	Li	50		
	Mg	50		
	Pb	50		
	Sc	50		
	Tb	50		
	Tm	50		
	U	50		
	Y	50		
<b>Multi Element Standard, 12 Elements</b>				
ICP12-KEF-100	B	10	2% Nitric Acid & tr. Hydrofluoric Acid	100ml
	Ge	10		
	Mo	10		
	Nb	10		
	P	10		
	Re	10		
	S	10		
	Si	10		
	Ta	10		
	Ti	10		
	W	10		
	Zr	10		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Calibration Standard, 12 Elements</b>				
REICPCAL12A	Ag	100	2-5% Nitric Acid	100ml
	Cd	100		
	Co	100		
	Cr	100		
	Cu	100		
	Fe	100		
	Hg	100		
	Mn	100		
	Ni	100		
	Pb	100		
	Tl	100		
	V	100		
<b>Multi Element Standard, 12 Elements</b>				
ICPMIX12-100	Bi	100	2% Nitric Acid & tr. Hydrofluoric Acid	100ml
	Cd	100		
	Co	100		
	Cu	100		
	Fe	100		
	Pb	100		
	Mn	100		
	Ni	100		
	Ag	100		
	Sn	100		
	Ti	100		
	Zn	100		
<b>Multi Element Tuning Standard, 11 Elements</b>				
REICPTUNE11A	Ba	10	5% Nitric Acid	100ml
	Be	10		
	Ce	10		
	Co	10		
	In	10		
	Li	10		
	Mg	10		
	Pb	10		
	Tb	10		
	U	10		
	Y	10		
<b>Multi Element Verification Standard, 11 Elements</b>				
REICPVER11A	Ag	100	5% Nitric Acid	100ml
	Ba	500		
	Be	200		
	Cd	250		
	Co	500		
	Cu	500		
	Fe	500		
	Mn	500		
	Ni	500		
	Pb	500		
	Tl	500		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Verification Standard, 11 Elements according to Test Method 6020</b>				
REICPVER11B	Ag	20	5% Nitric Acid	100ml
	Ba	100		
	Be	40		
	Cd	50		
	Co	100		
	Cu	100		
	Fe	100		
	Mn	100		
	Ni	100		
	Pb	100		
Tl	100			
<b>Multi Element Standard, 11 Elements</b>				
ICP-MIX-CYM12	Ge	1000	3.5% Nitric Acid & 0.5% Hydrofluoric Acid	250ml
	Hf	1000		
	Mo	1000		
	Nb	1000		
	Si	1000		
	Sn	1000		
	Ta	1000		
	Te	1000		
	Ti	1000		
	W	1000		
Zr	1000			
<b>Multi Element Interference Standard, 11 Elements</b>				
REICPINTF11A	Ag	100	2-5% Nitric Acid	100ml
	Ba	50		
	Be	50		
	Cd	100		
	Co	50		
	Cr	50		
	Cu	50		
	Mn	50		
	Ni	100		
	Pb	100		
V	50			
<b>Multi Element Standard, 11 Elements</b>				
ICP11-MIX-100	As	20	2% Hydrochloric Acid	100ml
	La	20		
	Li	20		
	Mo	20		
	Mn	20		
	Ni	20		
	Sc	20		
	Na	20		
	P	100		
	S	100		
K	100			

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Standard, 10 Elements</b>				
ICP-10-1000-100	Ti	1000	5% Nitric Acid & 1% Hydrochloric Acid	100ml
	V	1000		
	Cr	1000		
	Mn	1000		
	Ni	1000		
	Bi	1000		
	Cu	1000		
	Mo	1000		
	Pb	1000		
	U	1000		
<b>Multi Element Standard, 10 Elements</b>				
ICP-STD3-100	Au	10	10% Hydrochloric Acid	100ml
	Hf	10		
	Ir	10		
	Pd	10		
	Pt	10		
	Rh	10		
	Ru	10		
	Sb	10		
	Sn	10		
	Te	10		
<b>Multi Element Standard, 10 Elements</b>				
ICP10-1000-100	Al	1000	2% Nitric Acid	100ml
	B	1000		
	Ca	1000		
	Cu	1000		
	Fe	1000		
	K	1000		
	Li	1000		
	Mg	1000		
	Mo	1000		
	Na	1000		
<b>Multi Element Standard, 10 Elements</b>				
ICP10-MIX-100	P	10	2% Nitric Acid	100ml
	K	5		
	Ni	5		
	Al	1		
	Cu	1		
	Mn	1		
	Ba	0.2		
	Ca	0.2		
	Mg	0.2		
	Zn	0.2		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Standard, 10 Elements</b>				
ICP10MIX1A	Se	40	2-5% Nitric Acid	100ml
	Cu	100		
	Li	100		
	Ni	100		
	Sr	100		
	Zn	100		
	Al	200		
	Fe	200		
	P	500		
	B	1000		
<b>Multi Element Standard, 10 Elements</b>				
ICP10-MIX2-100	P	10	5% Nitric Acid	100ml
	K	5		
	Ni	5		
	Al	1		
	Cu	1		
	Mn	1		
	Ba	0.2		
	Ca	0.2		
	Mg	0.2		
	Zn	0.2		
<b>Multi Element Standard, 10 Elements</b>				
ICP10-STATION-1	Al	2.5	1% Hydrochloric Acid	100ml
	Co	2.5		
	Cr	2.5		
	Fe	2.5		
	Ni	2.5		
	Mn	2.5		
	Zn	2.5		
	Cu	2		
	P	1.65		
	Sn	1		
<b>Multi Element Standard, 10 Elements</b>				
ICP10-STATION-2	Al	5	1% Hydrochloric Acid	100ml
	Co	5		
	Cr	5		
	Fe	5		
	Ni	5		
	Mn	5		
	Zn	5		
	Cu	4		
	P	3.25		
	Sn	2		



Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Calibration Standard, 10 Elements</b>				
REICPCAL10A	Be	100	5% Nitric Acid	100ml
	Co	20		
	In	10		
	Li	50		
	Mg	25		
	Sc	25		
	Tb	5		
	Tl	10		
	U	5		
	Y	10		
<b>Multi Element Interference Standard, 10 Elements according to Test Method 6020</b>				
REICPINTF10A	Ag	5	2% Nitric Acid	100ml
	As	10		
	Cd	10		
	Co	20		
	Cr	20		
	Cu	20		
	Mn	20		
	Ni	20		
	Se	10		
	V	20		
<b>Multi Element Spiking Standard, 10 Elements</b>				
REICPSPIK10A	Ag	5	5% Nitric Acid	100ml
	Be	5		
	Cd	5		
	Co	50		
	Cu	25		
	Fe	100		
	Mn	50		
	Ni	50		
	Pb	50		
	Ti	200		
<b>Multi Element Calibration Standard, 10 Elements according to Test Method 6010</b>				
REICPCAL10B	Ag	200	5% Nitric Acid	100ml
	Ba	1000		
	Be	400		
	Cd	500		
	Co	1000		
	Fe	1000		
	Mn	1000		
	Ni	1000		
	Pb	1000		
	Tl	1000		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Calibration Standard, 10 Elements according to Test Method 6010</b>				
REICPCAL10C	Al	1000	20% Hydrochloric Acid	100ml
	As	1000		
	Ca	10000		
	Cr	1000		
	K	10000		
	Mg	10000		
	Na	10000		
	Sb	1000		
	Se	1000		
	V	1000		
<b>Multi Element Calibration Standard, 10 Elements</b>				
REICPCAL10D	Al	20	2% Nitric Acid & tr. Hydrofluoric Acid	100ml
	Be	5		
	Co	10		
	Cu	10		
	Fe	20		
	Mn	10		
	Ni	10		
	Sn	5		
	Tl	5		
	V	20		
<b>Multi Element Tuning Standard, 10 Elements</b>				
REICPTUNE10A	Ba	10	2-5% Nitric Acid	100ml
	Be	10		
	Bi	10		
	Ce	10		
	Co	10		
	In	10		
	Li	10		
	Ni	10		
	Pb	10		
	U	10		
<b>Multi Element Calibration Standard, 10 Elements according to Test Method 200.7</b>				
REICPCAL10G	Ag	50	2-5% Nitric Acid	100ml
	As	1000		
	B	100		
	Ba	100		
	Ca	1000		
	Cd	200		
	Cu	200		
	Mn	200		
	Se	500		
	Sr	100		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Standard USP 232/233 Compliance 1, 10 Elements</b>				
REICPUSP1	As	15	7% Nitric Acid	100ml
	Cd	5		
	Cr	250		
	Cu	2500		
	Hg	15		
	Mn	2500		
	Mo	250		
	Ni	250		
	Pb	10		
	V	250		
<b>Multi Element Tuning Solution 5, 10 Elements</b>				
REICPTUNE5	Ba	10	5% Nitric Acid	100ml
	Be	10		
	Bi	10		
	Ce	10		
	Co	10		
	In	10		
	Li	10		
	Ni	10		
	Pb	10		
	U	10		
<b>Multi Element Interference Standard, 9 Elements according to Test Method 6020</b>				
REICPINTF9A	Ag	10	5% Nitric Acid & tr. Tartaric Acid	100ml
	Al	10		
	As	10		
	Co	10		
	Cr	10		
	Mn	10		
	Ni	10		
	Se	10		
	V	10		
<b>Multi Element Standard, 9 Elements</b>				
ICPMIX-9-100	Ag	1000	2-5% Nitric Acid	100ml
	Cd	1000		
	Cr	1000		
	Cu	1000		
	Fe	1000		
	Mn	1000		
	Ni	1000		
	Pb	1000		
	Zn	1000		
<b>Multi Element Calibration Standard, 9 Elements</b>				
REICPCAL10H	Be	10	2-5% Nitric Acid	100ml
	Bi	10		
	Ce	10		
	Co	10		
	In	10		
	Mg	10		
	Ni	10		
	Pb	10		
	U	10		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Tuning Standard, 9 Elements</b>				
REICPTUNE9A	Fe	10	Hydrochloric Acid & tr. Hydrofluoric Acid	100ml
	K	10		
	La	10		
	Mg	5		
	Mn	5		
	P	10		
	S	50		
	Sc	10		
	Ti	10		
<b>Multi Element Tuning Standard, 9 Elements</b>				
REICPTUNE9B	Ba	10	2-5% Nitric Acid	100ml
	Be	10		
	Ce	10		
	Co	10		
	In	10		
	Mg	10		
	Pb	10		
	Th	10		
	Tl	10		
<b>Multi Element Standard, 9 Elements</b>				
ICP-WY-95	K	1000	2% Nitric Acid	500ml
	Ca	500		
	P	400		
	Na	240		
	Mg	100		
	Fe	10		
	Zn	6		
	Cu	1		
	Mn	1		
<b>Multi Element Standard, 9 Elements</b>				
ICP-MET-9-100	Cr	100	2% Nitric Acid	100ml
	Pb	100		
	Mn	100		
	Cu	100		
	Ni	100		
	Cd	100		
	Sb	100		
	As	100		
	Fe	100		
<b>Multi Element Standard, 8 Elements</b>				
ICP-TG-85	Ca	50	0.1% Nitric Acid	500ml
	K	13		
	Mg	10		
	Na	10		
	Cu	0.6		
	Zn	0.6		
	Mn	0.6		
	Fe	0.6		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Interference Standard, 8 Elements according to Test Method 6010</b>				
REICPINTF8A	Be	50	5% Nitric Acid	100ml
	Cd	100		
	Co	50		
	Cu	50		
	Mn	50		
	Ni	100		
	Pb	100		
	S	100		
<b>Multi Element Spiking Standard, 8 Elements</b>				
REICPSPIK8B	B	1000	5% Nitric Acid	100ml
	Ca	10000		
	K	10000		
	Li	1000		
	Mg	10000		
	Na	10000		
	P	1000		
	Sr	1000		
<b>Multi Element Standard, 8 Elements</b>				
MSICPS002	Si	1000	5% Nitric Acid & 1% Hydrofluoric Acid	100ml
	S	1000		
	Mo	1000		
	W	1000		
	Ti	1000		
	Nb	1000		
	Hf	1000		
	Ta	1000		
<b>Multi Element Calibration Standard, 8 Elements</b>				
REICPCAL8A	Ge	10	Hydrochloric Acid & tr. Nitric Acid	100ml
	Hf	10		
	Mo	10		
	Nb	10		
	Sn	10		
	Ta	10		
	Ti	10		
	W	10		
<b>Multi Element Standard, 8 Elements</b>				
ICP-MUL8	Al	100	2% Nitric Acid	100ml
	Ca	100		
	Fe	100		
	K	100		
	Na	100		
	S	100		
	Si	100		
	Zn	100		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Standard, 8 Elements</b>				
ICP-MUL8-250ML	Ca	10000	2% Nitric Acid	250ml
	Cu	20		
	Fe	200		
	Mg	1000		
	Mn	10		
	K	10000		
	Na	5000		
	Zn	100		
<b>Multi Element Calibration Standard, 8 Elements</b>				
REICPCAL8B	Au	10	10% Hydrochloric Acid	100ml
	Ir	10		
	Pd	10		
	Pt	10		
	Re	10		
	Rh	10		
	Ru	10		
	Te	10		
<b>Multi Element Calibration Standard, 8 Elements</b>				
REICPCAL8C	Ag	200	2-5% Nitric Acid	100ml
	Be	100		
	Co	1000		
	Cr	200		
	Cu	500		
	Mn	300		
	Ni	8000		
	V	1000		
<b>Multi Element Standard, 8 Elements</b>				
ICP-MIX8	Co	20	2% Nitric Acid tr. Hydrofluoric Acid	250ml
	Mo	20		
	Sn	20		
	Tl	20		
	As	10		
	Sb	10		
	Se	10		
	V	10		
<b>Multi Element Standard, 7 Elements</b>				
ICPMIX7-100	Ti	100	5% Nitric Acid & tr. Hydrofluoric Acid	100ml
	W	100		
	Gd	100		
	Pd	100		
	Rb	100		
	Te	100		
	Th	100		
<b>Multi Element Internal Standard, 7 Elements</b>				
REICPIS7A	Bi	100	5% Nitric Acid	100ml
	Ga	100		
	In	100		
	Li	100		
	Sc	100		
	Tb	100		
	Y	100		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Internal Standard, 7 Elements</b>				
REICPIS7B	Bi	20	5% Nitric Acid	100ml
	Ga	20		
	In	20		
	Li	100		
	Sc	100		
	Tb	20		
	Y	20		
<b>Multi Element Internal Standard, 7 Elements</b>				
REICPIS7C	Bi	100	5% Nitric Acid	100ml
	Ge	100		
	In	100		
	Li	100		
	Lu	100		
	Sc	100		
	Tb	100		
<b>Multi Element Spiking Standard, 7 Elements</b>				
REICPSPIK7A	Al	200	20% Hydrochloric Acid	100ml
	As	200		
	Ba	200		
	Cr	20		
	Sb	50		
	Se	200		
	V	50		
<b>Multi Element Internal Standard, 7 Elements according to Test Method 200.8</b>				
REICPIS7D	Bi	10	5% Nitric Acid	100ml
	In	10		
	Li	10		
	Lu	10		
	Sc	10		
	Te	10		
	Y	10		
<b>Multi Element Internal Standard, 7 Elements according to Test Method 6020</b>				
REICPIS7E	Bi	10	2% Nitric Acid	100ml
	Ho	10		
	In	10		
	Li	10		
	Sc	10		
	Tb	10		
	Y	10		
<b>Multi Element Verification Standard, 7 Elements</b>				
REICPVER7A	Ag	100	5% Nitric Acid & tr. Hydrofluoric Acid	100ml
	Al	100		
	B	100		
	Ba	100		
	K	1000		
	Na	100		
	Si	50		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Verification Standard, 7 Elements</b>				
REICPVER7B	Ag	50	5% Nitric Acid & tr. Hydrofluoric Acid	100ml
	Al	100		
	B	100		
	Ba	100		
	K	1000		
	Na	100		
	Si	500		
<b>Multi Element Calibration Standard, 7 Elements according to Test Method 200.8 &amp; 05.2</b>				
REICPCAL7A	Ag	25	2% Nitric Acid	100ml
	As	25		
	Ba	500		
	Cd	5		
	Cr	25		
	Pb	25		
	Se	5		
<b>Multi Element Calibration Standard, 7 Elements</b>				
REICPCAL7B	Cr	10	2-5% Nitric Acid & tr. Hydrofluoric Acid	100ml
	Hf	100		
	Ir	100		
	Sb	100		
	Sn	100		
	Ta	100		
	Ti	100		
<b>Multi Element Calibration Standard, 7 Elements</b>				
REICPCAL7C	As	100	2-5% Nitric Acid	100ml
	Be	100		
	Cd	100		
	Ni	100		
	Pb	100		
	Se	100		
	Tl	100		
<b>Multi Element Standard, 7 Elements</b>				
ICP7A20	Ag	50	5% Nitric Acid & 0.2% Hydrofluoric Acid	100ml
	Al	100		
	B	100		
	Ba	100		
	Na	100		
	K	1000		
	Si	500		
<b>Multi Element Standard, 7 Elements</b>				
ICP-MIX-CYM1	As	500	2% Nitric Acid	100ml
	Pb	500		
	Cu	100		
	Mn	100		
	Zn	100		
	Se	200		
	Be	50		



Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Tuning Standard, 6 Elements</b>				
REICPTUNE6A	Ba	10	1% Nitric Acid	100ml
	Ce	10		
	Co	10		
	In	10		
	Mg	10		
	Pb	10		
<b>Multi Element Calibration Standard, 6 Elements</b>				
REICPCAL6A	Al	200	5% Nitric Acid	100ml
	Ca	1000		
	Cr	20		
	K	400		
	Na	200		
	Ni	20		
<b>Multi Element Calibration Standard, 6 Elements</b>				
REICPCAL6B	Ba	500	2% Nitric Acid	100ml
	Ca	500		
	K	100		
	Mg	100		
	Mo	500		
	Na	500		
<b>Multi Element Calibration Standard, 6 Elements</b>				
REICPCAL6C	Au	100	10% Hydrochloric Acid	100ml
	Ir	100		
	Pd	100		
	Pt	100		
	Rh	100		
	Ru	100		
<b>Multi Element Calibration Standard, 6 Elements</b>				
REICPCAL6D	Ir	100	15% Hydrochloric Acid	100ml
	Os	100		
	Pd	100		
	Pt	100		
	Rh	100		
	Ru	100		
<b>Multi Element Calibration Standard, 6 Elements according to Test Method 200.7</b>				
REICPCAL6E	Be	100	2-5% Nitric Acid	100ml
	Fe	1000		
	Mg	1000		
	Ni	200		
	Pb	1000		
	Tl	500		
<b>Multi Element Standard USP 232/233 Compliance, 6 Elements</b>				
REICPUSP2	Ir	100	15% Hydrochloric Acid	100ml
	Os	100		
	Pd	100		
	Pt	100		
	Rh	100		
	Ru	100		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element USP 232/233 Compliance 6 Elements</b>				
REICPUSPIV	Ir	10	15% Hydrochloric Acid	100ml
	Os	10		
	Pd	10		
	Pt	10		
	Rh	10		
	Ru	10		
<b>Multi Element Tuning Standard, 6 Elements</b>				
REICPTUNE7A	Ba	10	2-5% Nitric Acid	100ml
	Ce	10		
	Co	10		
	In	10		
	Li	10		
	U	10		
<b>Multi Element Internal Standard, 6 Elements</b>				
REICPIS2	Bi	100	3% Nitric Acid	100ml
	In	100		
	Li	100		
	Sc	100		
	Tb	100		
	Y	100		
<b>Multi Element Standard, 6 Elements</b>				
ICP-MUL06	Al	100	2% Nitric Acid	100ml
	As	100		
	Cd	100		
	Cu	100		
	Fe	100		
	Pb	100		
<b>Multi Element Standard, 5 Elements</b>				
ICP-MS10042	Ce	10	2% Nitric Acid	100ml
	Co	10		
	Li	10		
	Tl	10		
	Y	10		
<b>Multi Element Standard, 5 Elements</b>				
STD-GLO-5-500	Al	1000	6% Nitric Acid	500ml
	Ca	1000		
	K	1000		
	Mg	1000		
	Na	1000		
<b>Multi Element Standard, 5 Elements</b>				
ICP-VL-51	Mg	1500	2% Nitric Acid	100ml
	Fe	100		
	K	25		
	S	25		
	Mn	5		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Tuning Solution, 5 Elements</b>				
REICPTUNE6	Ca	10	5% Nitric Acid	100ml
	Fe	10		
	K	10		
	Li	10		
	Na	10		
<b>Multi Element Calibration Standard, 5 Elements according to Test Method 6020</b>				
REICPCAL5A	Ca	2000	5% Nitric Acid	100ml
	Fe	2000		
	K	2000		
	Mg	2000		
	Na	2000		
<b>Multi Element Interference Standard, 5 Elements according to Test Method 200.7</b>				
REICPINTF5A	Al	1200	5% Nitric Acid	100ml
	Ca	6000		
	Fe	5000		
	Mg	3000		
	Na	1000		
<b>Multi Element Calibration Standard, 5 Elements according to Test Method 200.7</b>				
REICPCAL5D	Be	50	2% Nitric Acid & tr. Hydrofluoric Acid	100ml
	Cd	150		
	Mn	100		
	Pb	500		
	Se	200		
<b>Multi Element Calibration Standard, 5 Elements according to Test Method 200.7</b>				
REICPCAL5E	Ba	100	5% Nitric Acid	100ml
	Co	100		
	Cu	100		
	Fe	10000		
	V	100		
<b>Multi Element Calibration Standard, 5 Elements according to Test Method 200.7</b>				
REICPCAL5F	Ag	50	5% Nitric Acid & tr. Hydrofluoric Acid	100ml
	B	100		
	Mg	1000		
	Sb	200		
	Tl	200		
<b>Multi Element Tuning Standard, 5 Elements according to Test Method 200.8 &amp; 05.2</b>				
REICPTUNE5C	Be	10	5% Nitric Acid	100ml
	Co	10		
	In	10		
	Mg	10		
	Pb	10		
<b>Multi Element Calibration Standard, 5 Elements</b>				
REICPCAL5H	Ca	1000	2-5% Nitric Acid	100ml
	Fe	1000		
	K	1000		
	Mg	1000		
	Na	1000		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Calibration Standard, 5 Elements</b>				
REICPCAL5I	Ca	500	2-5% Nitric Acid	100ml
	Fe	500		
	K	500		
	Mg	500		
	Na	500		
<b>Multi Element Verification Standard, 5 Elements</b>				
REICPVER5A	Be	10	2-5% Nitric Acid tr. Hydrofluoric Acid	100ml
	Co	10		
	In	10		
	Ti	10		
	U	10		
<b>Multi Element Calibration Standard, 5 Elements</b>				
REICPCAL5J	Ca	1000	2-5% Nitric Acid	100ml
	Fe	1000		
	Li	1000		
	Tl	1000		
	Y	1000		
<b>Multi Element Tuning Standard, 5 Elements</b>				
REICPTUNE5A	Ce	10	2-5% Nitric Acid	100ml
	Co	10		
	Li	10		
	Tl	10		
	Y	10		
<b>Multi Element Calibration Standard, 5 Elements</b>				
REICPCAL5K	Al	1000	2-5% Nitric Acid	100ml
	Cd	500		
	Pb	1000		
	Se	1000		
	Tl	1000		
<b>Multi Element Calibration Standard, 5 Elements</b>				
REICPCAL5L	As	500	2-5% Nitric Acid	100ml
	Cd	250		
	Pb	500		
	Se	500		
	Tl	500		
<b>Multi Element Calibration Standard, 5 Elements</b>				
REICPCAL5N	As	100	2-5% Nitric Acid	100ml
	Cd	50		
	Pb	30		
	Se	50		
	Tl	100		
<b>Multi Element Calibration Standard, 5 Elements according to Test Method 200.7</b>				
REICPCAL5O	K	2000	5% Nitric Acid & 1% Hydrofluoric Acid	100ml
	Li	500		
	Mo	1000		
	Na	1000		
	Ti	1000		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Calibration Standard, 5 Elements according to Test Method 200.7</b>				
REICPCAL5P	Al	3000	2-5% Nitric Acid	100ml
	Ca	15000		
	Fe	12500		
	Mg	7500		
	Na	2500		
<b>Multi Element Internal Standard, 5 Elements according to Test Method 200.8</b>				
REICPIS5A	Bi	20	2-5% Nitric Acid	100ml
	In	20		
	Sc	20		
	Tb	20		
	Y	20		
<b>Multi Element Tuning Standard, 5 Elements according to Test Method 200.8</b>				
REICPTUNE5B	Be	10	2-5% Nitric Acid	100ml
	Co	10		
	In	10		
	Mg	10		
	Pb	10		
<b>Multi Element Standard, 5 Elements</b>				
ICPM003	K	500	2% Nitric Acid	125ml
	Na	500		
	Ca	500		
	Mg	500		
	Fe	500		
<b>Multi Element Standard, 5 Elements</b>				
ICP-MIX2	Sc	100	2% Nitric Acid	125ml
	Y	100		
	In	100		
	Tb	100		
	Bi	100		
<b>Multi Element Standard, 5 Elements</b>				
REICPTUNE1	Ce		2% Nitric Acid	100ml
	Co			
	Li			
	Tl			
	Y			
<b>Multi Element Standard, 5 Elements</b>				
REICPTUNE5A1	Ce	10	2-5% Nitric Acid	100ml
	Co	10		
	Li	10		
	Ti	10		
	Y	10		
<b>Multi Element Standard, 5 Elements</b>				
ICPMIX5-100	Ir	100	5% Hydrochloric Acid	100ml
	Pd	100		
	Pt	100		
	Rh	100		
	Ru	100		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Standard, 5 Elements</b>				
ICP-MIX3-CYM	Ca	1000	2% Nitric Acid	100ml
	Mg	1000		
	K	1000		
	Na	1000		
	P	1000		
<b>Multi Element Standard, 4 Elements</b>				
ICPMIX4-100	Pd	100	10% Hydrochloric Acid	100ml
	Pt	100		
	Sb	100		
	Sn	100		
<b>Multi Element Calibration Standard, 4 Elements</b>				
REICPCAL4A	As	100	2% Nitric Acid	100ml
	Cr	100		
	Fe	100		
	Se	100		
<b>Multi Element Calibration Standard, 4 Elements</b>				
REICPCAL4B	Ca	100	5% Nitric Acid	100ml
	Fe	100		
	K	100		
	Na	100		
<b>Multi Element Tuning Standard, 4 Elements</b>				
REICPTUNE4A	Ce	10	5% Nitric Acid	100ml
	Li	10		
	Tl	10		
	Y	10		
<b>Multi Element Calibration Standard, 4 Elements according to Test Method 200.8</b>				
REICPCAL4R	Ca	1000	2% Nitric Acid	100ml
	K	1000		
	Mg	1000		
	Na	1000		
<b>Multi Element Calibration Standard, 4 Elements according to Test Method 200.8</b>				
REICPCAL4C	Ag	100	5% Nitric Acid	100ml
	Ba	100		
	Cu	100		
	Fe	100		
<b>Multi Element Calibration Standard, 4 Elements according to Test Method 200.8</b>				
REICPCAL4D	Ca	10000	2% Nitric Acid	100ml
	Mg	1000		
	Na	10000		
	P	1000		
<b>Multi Element Interference Standard, 4 Elements according to Test Method 6010</b>				
REICPINTF4A	Al	5000	20% Hydrochloric Acid	100ml
	Ca	5000		
	Fe	2000		
	Mg	5000		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Tuning Standard, 4 Elements according to Test Method 6020</b>				
REICPTUNE4C	Co	10	5% Nitric Acid	100ml
	In	10		
	Li	10		
	Ti	10		
<b>Multi Element Verification Standard, 4 Elements according to Test Method 200.7</b>				
REICPVER4B	As	10	5% Nitric Acid	100ml
	Pb	10		
	Se	10		
	Ti	10		
<b>Multi Element Calibration Standard, 4 Elements</b>				
REICPCAL4E	Ca	500	2% Nitric Acid	100ml
	K	100		
	Mg	100		
	Na	500		
<b>Multi Element Calibration Standard, 4 Elements</b>				
REICPCAL4F	Ba	1000	2-5% Nitric Acid	100ml
	Ca	1000		
	Mg	1000		
	Sr	1000		
<b>Multi Element Calibration Standard, 4 Elements</b>				
REICPCAL4G	Cd	10	2-5% Nitric Acid	100ml
	Cu	800		
	Ni	200		
	Pb	500		
<b>Multi Element Calibration Standard, 4 Elements</b>				
REICPCAL4H	Ca	10000	2-5% Nitric Acid	100ml
	K	10000		
	Mg	10000		
	Na	10000		
<b>Multi Element Calibration Standard, 4 Elements</b>				
REICPCAL4I	Ca	1000	2-5% Nitric Acid	100ml
	K	1000		
	Mg	1000		
	Na	1000		
<b>Multi Element Calibration Standard, 4 Elements according to Test Method 6010</b>				
REICPCAL4J	Ca	5000	2-5% Nitric Acid	100ml
	K	5000		
	Mg	5000		
	Na	5000		
<b>Multi Element Calibration Standard, 4 Elements</b>				
REICPCAL4K	Mo	100	5% Nitric Acid & 1% Hydrofluoric Acid	100ml
	Sb	100		
	Sn	100		
	Ti	100		
<b>Multi Element Interference Standard, 4 Elements</b>				
REICPINTF4C	Al	5000	2-5% Nitric Acid	100ml
	Ca	5000		
	Fe	2000		
	Mg	5000		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Calibration Standard, 4 Elements according to Test Method 200.7</b>				
REICPCAL4L	Ce	200	2-5% Nitric Acid	100ml
	Co	200		
	P	1000		
	V	200		
<b>Multi Element Calibration Standard, 4 Elements according to Test Method 200.7</b>				
REICPCAL4M	B	500	5% Nitric Acid & 1% Hydrofluoric Acid	100ml
	Mo	300		
	Si	230		
	Ti	1000		
<b>Multi Element Calibration Standard, 4 Elements</b>				
REICPCAL4N	Ce	10	2-5% Nitric Acid	100ml
	Li	10		
	Tl	10		
	Y	10		
<b>Multi Element Standard, 4 Elements</b>				
ICP-LX-4-25	Sn	1	7% Hydrochloric Acid	250ml
	Au	1		
	Pd	1		
	Rh	1		
<b>Multi Element Tuning Solution 2, 4 Elements</b>				
REICPTUNE2	Ce	10	2% Nitric Acid	100ml
	Li	10		
	Tl	10		
	Y	10		
<b>Multi Element Standard, 4 Elements</b>				
ICPM001	Mo	100	5% Nitric Acid & 0.5% Hydrofluoric Acid	125ml
	Sb	100		
	Sn	100		
	Ti	100		
<b>Multi Element Standard, 4 Elements</b>				
ICP-MIX1	Li	10	2% Nitric Acid	125ml
	Y	10		
	Ce	10		
	Tl	10		
<b>Multi Element Standard, 4 Elements</b>				
ICP-MIX2-CYM	Mo	10	5% Nitric Acid & 0.5% Hydrofluoric Acid	100ml
	Sb	10		
	Sn	100		
	Ti	100		
<b>Multi Element Standard, 4 Elements</b>				
ICP-SDHT-401	Na	25	2.5% Glucose Monohydrate	100ml
	K	100		
	Mg	5		
	Ca	50		
<b>Multi Element Standard, 4 Elements</b>				
ICP-THE-4-100	K	200	10% Nitric Acid	100ml
	Mg	400		
	Na	1000		
	Ca	2000		



Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Standard, 3 Elements</b>				
ICPMIX3-100	Pt	100	10% Hydrochloric Acid	100ml
	Sb	100		
	Sn	100		
<b>Multi Element Interference Standard, 3 Elements according to Test Method 6010</b>				
REICPINTF3A	Ba	50	20% Hydrochloric Acid	100ml
	Cr	50		
	V	50		
<b>Multi Element Calibration Standard, 3 Elements according to Test Method 200.7</b>				
REICPCAL3A	As	500	2% Nitric Acid & tr. Hydrofluoric Acid	100ml
	Mo	100		
	Si	100		
<b>Multi Element Calibration Standard, 3 Elements</b>				
REICPCAL3B	Au	100	10% Hydrochloric Acid	100ml
	Pd	100		
	Pt	100		
<b>Multi Element Tuning Standard, 3 Elements</b>				
REICPTUNE3A	Ce	10	1% Nitric Acid	100ml
	Co	10		
	Li	10		
<b>Multi Element Calibration Standard, 3 Elements according to Test Method 200.7</b>				
REICPCAL3C	Al	1000	2-5% Nitric Acid	100ml
	Cr	500		
	Hg	200		
<b>Multi Element Standard, 3 Elements</b>				
ICP-PS-325M	Ga	50	5% Nitric Acid & 0.5% Hydrochloric Acid	250ml
	Ir	10		
	Rh	10		
<b>Multi Element Standard, 3 Elements</b>				
ICP-HR-35	Ag	100	2-5% Nitric Acid & tr. Hydrofluoric Acid	500ml
	Sb	100		
	Sn	100		
<b>Multi Element Standard, 3 Elements</b>				
ICP-MET-3-100	Hg	100	2% Hydrochloric Acid	100ml
	Ca	100		
	Mg	100		
<b>Multi Element Standard, 3 Elements</b>				
ICP-MIX10	Co	20	2% Nitric Acid	125ml
	V	20		
	P	100		
<b>Multi Element Standard, 3 Elements</b>				
ICP-PS325M	Ga	50	5% Nitric Acid & 0.5% Hydrochloric Acid	250ml
	Ir	10		
	Rh	10		
<b>Multi Element Standard, 3 Elements</b>				
ICP-PC-35A	Ag	10	2% Nitric Acid	500ml
	Hg	10		
	Tl	10		

Product No.	Elements	Conc µg/ml	Matrix	Pack Size
<b>Multi Element Standard, 3 Elements</b>				
MSICP001	As	100	5% Nitric Acid	100ml
	Mn	100		
	Pb	100		
<b>Multi Element Standard, 3 Elements</b>				
MXSTD301	Chloride	1000	H <sub>2</sub> O	100ml
	Sulphate	1000		
	Nitrate	200		
<b>Multi Element Standard, 3 Elements</b>				
ICP3-100-100	K	500	2% Nitric Acid	100ml
	Mg	500		
	P	500		
<b>Multi Element Standard, 2 Elements</b>				
ICP2MIX-100	Fe	500	2% Nitric Acid	100ml
	Mn	500		
<b>Multi Element Standard, 2 Elements</b>				
ICP2MIX2-100	Cd	100	2-5% Nitric Acid	100ml
	Pb	100		
<b>Multi Element Standard, 2 Elements</b>				
MEICP2	Si	100	5% Nitric Acid & 1% Hydrofluoric Acid	100ml
	W	100		
<b>Multi Element Tuning Standard, 2 Elements according to Test Method 200.7</b>				
REICPTUNE2A	Cu	10	5% Nitric Acid	100ml
	Pb	10		
<b>Multi Element Calibration Standard, 2 Elements according to Test Method 200.8</b>				
REICPCAL2A	Mo	20	Nitric Acid tr. Hydrofluoric Acid	100ml
	Sb	20		
<b>Multi Element Standard, 2 Elements</b>				
ICP-HR-25	S	100	H <sub>2</sub> O	500ml
	Si	100		