



# Reagecon

*Ion Chromatography Standards*

# Ion Chromatography Standards



These standards are prepared, tested, certified and verified by following the exact same regime as already presented for ICP-MS Standards. The raw material specifications are in most cases identical to the materials used for ICP-MS. Additionally, the elemental anions and cations are also analysed by ICP-MS. All results are verified on a state of the art Ion Chromatograph, which is calibrated using high purity ISO Guide 34 accredited standards, similar in concentration to the products listed below.

## Anion Standards

| Product No.     | Ion                            | Starting Material                              | Matrix           | Concentration     | Pack size |
|-----------------|--------------------------------|------------------------------------------------|------------------|-------------------|-----------|
| <b>Acetate</b>  |                                |                                                |                  |                   |           |
| ICAU35          | CH <sub>3</sub> COO-           | Sodium Acetate                                 | H <sub>2</sub> O | 0.1mg/ml (100ppm) | 100ml     |
| ICAS35          | CH <sub>3</sub> COO-           | Sodium Acetate                                 | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 100ml     |
| ICAB35          | CH <sub>3</sub> COO-           | Sodium Acetate                                 | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 500ml     |
| <b>Bromide</b>  |                                |                                                |                  |                   |           |
| ICAU01          | Br-                            | KBr                                            | H <sub>2</sub> O | 0.1mg/ml (100ppm) | 100ml     |
| ICAS01          | Br-                            | KBr                                            | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 100ml     |
| ICAB01          | Br-                            | KBr                                            | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 500ml     |
| <b>Chloride</b> |                                |                                                |                  |                   |           |
| ICAU02          | Cl-                            | KCl                                            | H <sub>2</sub> O | 0.1mg/ml (100ppm) | 100ml     |
| ICAS02          | Cl-                            | KCl                                            | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 100ml     |
| ICAB02          | Cl-                            | KCl                                            | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 500ml     |
| <b>Chromate</b> |                                |                                                |                  |                   |           |
| ICAU29          | CrO <sub>4</sub> <sup>2-</sup> | NH <sub>4</sub> Cr <sub>2</sub> O <sub>7</sub> | H <sub>2</sub> O | 0.1mg/ml (100ppm) | 100ml     |
| ICAS29          | CrO <sub>4</sub> <sup>2-</sup> | NH <sub>4</sub> Cr <sub>2</sub> O <sub>7</sub> | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 100ml     |
| ICAB29          | CrO <sub>4</sub> <sup>2-</sup> | NH <sub>4</sub> Cr <sub>2</sub> O <sub>7</sub> | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 500ml     |
| <b>Cyanide</b>  |                                |                                                |                  |                   |           |
| ICAU08          | CN-                            | NaCN                                           | H <sub>2</sub> O | 0.1mg/ml (100ppm) | 100ml     |
| ICAS08          | CN-                            | NaCN                                           | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 100ml     |
| ICAB08          | CN-                            | NaCN                                           | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 500ml     |
| <b>Fluoride</b> |                                |                                                |                  |                   |           |
| ICAU03          | F-                             | NaF                                            | H <sub>2</sub> O | 0.1mg/ml (100ppm) | 100ml     |
| ICAS03          | F-                             | NaF                                            | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 100ml     |
| ICAB03          | F-                             | NaF                                            | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 500ml     |
| <b>Formate</b>  |                                |                                                |                  |                   |           |
| ICAU34          | HCOO-                          | Sodium Formate                                 | H <sub>2</sub> O | 0.1mg/ml (100ppm) | 100ml     |
| ICAS34          | HCOO-                          | Sodium Formate                                 | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 100ml     |
| ICAB34          | HCOO-                          | Sodium Formate                                 | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 500ml     |
| <b>Iodide</b>   |                                |                                                |                  |                   |           |
| ICAU40          | I-                             | NH <sub>4</sub> I                              | H <sub>2</sub> O | 0.1mg/ml (100ppm) | 100ml     |
| ICAS40          | I-                             | NH <sub>4</sub> I                              | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 100ml     |
| ICAB40          | I-                             | NH <sub>4</sub> I                              | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 500ml     |

| Product No.      | Ion                                                  | Starting Material                               | Matrix           | Concentration     | Pack size |
|------------------|------------------------------------------------------|-------------------------------------------------|------------------|-------------------|-----------|
| <b>Nitrate</b>   |                                                      |                                                 |                  |                   |           |
| ICAU04           | NO <sub>3</sub> <sup>-</sup>                         | NH <sub>4</sub> NO <sub>3</sub>                 | H <sub>2</sub> O | 0.1mg/ml (100ppm) | 100ml     |
| ICAS04           | NO <sub>3</sub> <sup>-</sup>                         | NH <sub>4</sub> NO <sub>3</sub>                 | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 100ml     |
| ICAB04           | NO <sub>3</sub> <sup>-</sup>                         | NH <sub>4</sub> NO <sub>3</sub>                 | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 500ml     |
| <b>Nitrite</b>   |                                                      |                                                 |                  |                   |           |
| ICAU11           | NO <sub>2</sub> <sup>-</sup>                         | NaNO <sub>2</sub>                               | H <sub>2</sub> O | 0.1mg/ml (100ppm) | 100ml     |
| ICAS11           | NO <sub>2</sub> <sup>-</sup>                         | NaNO <sub>2</sub>                               | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 100ml     |
| ICAB11           | NO <sub>2</sub> <sup>-</sup>                         | NaNO <sub>2</sub>                               | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 500ml     |
| <b>Oxalate</b>   |                                                      |                                                 |                  |                   |           |
| ICAU13           | (COO) <sub>2</sub> <sup>2-</sup>                     | K <sub>2</sub> C <sub>2</sub> O <sub>4</sub>    | H <sub>2</sub> O | 0.1mg/ml (100ppm) | 100ml     |
| ICAS13           | (COO) <sub>2</sub> <sup>2-</sup>                     | K <sub>2</sub> C <sub>2</sub> O <sub>4</sub>    | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 100ml     |
| ICAB13           | (COO) <sub>2</sub> <sup>2-</sup>                     | K <sub>2</sub> C <sub>2</sub> O <sub>4</sub>    | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 500ml     |
| <b>Phosphate</b> |                                                      |                                                 |                  |                   |           |
| ICAU05           | PO <sub>4</sub> <sup>3-</sup>                        | NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub>  | H <sub>2</sub> O | 0.1mg/ml (100ppm) | 100ml     |
| ICAS05           | PO <sub>4</sub> <sup>3-</sup>                        | NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub>  | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 100ml     |
| ICAB05           | PO <sub>4</sub> <sup>3-</sup>                        | NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub>  | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 500ml     |
| <b>Silica</b>    |                                                      |                                                 |                  |                   |           |
| ICAU12           | SiO <sub>2</sub>                                     | Na <sub>2</sub> O <sub>3</sub> Si               | H <sub>2</sub> O | 0.1mg/ml (100ppm) | 100ml     |
| ICAS12           | SiO <sub>2</sub>                                     | Na <sub>2</sub> O <sub>3</sub> Si               | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 100ml     |
| ICAB12           | SiO <sub>2</sub>                                     | Na <sub>2</sub> O <sub>3</sub> Si               | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 500ml     |
| <b>Sulphate</b>  |                                                      |                                                 |                  |                   |           |
| ICAU06           | SO <sub>4</sub> <sup>2-</sup>                        | (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> | H <sub>2</sub> O | 0.1mg/ml (100ppm) | 100ml     |
| ICAS06           | SO <sub>4</sub> <sup>2-</sup>                        | (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 100ml     |
| ICAB06           | SO <sub>4</sub> <sup>2-</sup>                        | (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 500ml     |
| <b>Tartrate</b>  |                                                      |                                                 |                  |                   |           |
| ICAU36           | (CHOH) <sub>2</sub> (COO) <sub>2</sub> <sup>2-</sup> | Tartaric Acid                                   | H <sub>2</sub> O | 0.1mg/ml (100ppm) | 100ml     |
| ICAS36           | (CHOH) <sub>2</sub> (COO) <sub>2</sub> <sup>2-</sup> | Tartaric Acid                                   | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 100ml     |
| ICAB36           | (CHOH) <sub>2</sub> (COO) <sub>2</sub> <sup>2-</sup> | Tartaric Acid                                   | H <sub>2</sub> O | 1mg/ml (1,000ppm) | 500ml     |

## Cation Standards

| Product No.      | Ion                          | Starting Material                 | Matrix                  | Concentration     | Pack size |
|------------------|------------------------------|-----------------------------------|-------------------------|-------------------|-----------|
| <b>Aluminium</b> |                              |                                   |                         |                   |           |
| ICCU06           | Al <sup>4+</sup>             | Al(NO <sub>3</sub> ) <sub>3</sub> | H <sub>2</sub> O        | 0.1mg/ml (100ppm) | 100ml     |
| ICCS06           | Al <sup>4+</sup>             | Al(NO <sub>3</sub> ) <sub>3</sub> | H <sub>2</sub> O        | 1mg/ml (1,000ppm) | 100ml     |
| ICCB06           | Al <sup>4+</sup>             | Al(NO <sub>3</sub> ) <sub>3</sub> | H <sub>2</sub> O        | 1mg/ml (1,000ppm) | 500ml     |
| <b>Ammonium</b>  |                              |                                   |                         |                   |           |
| ICCU01           | NH <sub>4</sub> <sup>+</sup> | NH <sub>4</sub> Cl                | H <sub>2</sub> O        | 0.1mg/ml (100ppm) | 100ml     |
| ICCS01           | NH <sub>4</sub> <sup>+</sup> | NH <sub>4</sub> Cl                | H <sub>2</sub> O        | 1mg/ml (1,000ppm) | 100ml     |
| ICCB01           | NH <sub>4</sub> <sup>+</sup> | NH <sub>4</sub> Cl                | H <sub>2</sub> O        | 1mg/ml (1,000ppm) | 500ml     |
| <b>Barium</b>    |                              |                                   |                         |                   |           |
| ICCU44           | Ba <sup>2+</sup>             | Ba(NO <sub>3</sub> ) <sub>2</sub> | H <sub>2</sub> O        | 0.1mg/ml (100ppm) | 100ml     |
| ICCS44           | Ba <sup>2+</sup>             | Ba(NO <sub>3</sub> ) <sub>2</sub> | H <sub>2</sub> O        | 1mg/ml (1,000ppm) | 100ml     |
| ICCB44           | Ba <sup>2+</sup>             | Ba(NO <sub>3</sub> ) <sub>2</sub> | H <sub>2</sub> O        | 1mg/ml (1,000ppm) | 500ml     |
| <b>Cadmium</b>   |                              |                                   |                         |                   |           |
| ICCU09           | Cd <sup>+</sup>              | Cd Metal                          | 0.005% HNO <sub>3</sub> | 0.1mg/ml (100ppm) | 100ml     |
| ICCS09           | Cd <sup>+</sup>              | Cd Metal                          | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 100ml     |
| ICCB09           | Cd <sup>+</sup>              | Cd Metal                          | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 500ml     |

| Product No.      | Ion              | Starting Material                 | Matrix                  | Concentration     | Pack size |
|------------------|------------------|-----------------------------------|-------------------------|-------------------|-----------|
| <b>Calcium</b>   |                  |                                   |                         |                   |           |
| ICCU08           | Ca <sup>2+</sup> | Ca(NO <sub>3</sub> ) <sub>2</sub> | H <sub>2</sub> O        | 0.1mg/ml (100ppm) | 100ml     |
| ICCS08           | Ca <sup>2+</sup> | Ca(NO <sub>3</sub> ) <sub>2</sub> | H <sub>2</sub> O        | 1mg/ml (1,000ppm) | 100ml     |
| ICCB08           | Ca <sup>2+</sup> | Ca(NO <sub>3</sub> ) <sub>2</sub> | H <sub>2</sub> O        | 1mg/ml (1,000ppm) | 500ml     |
| <b>Cesium</b>    |                  |                                   |                         |                   |           |
| ICCU91           | Cs <sup>+</sup>  | CsNO <sub>3</sub>                 | H <sub>2</sub> O        | 0.1mg/ml (100ppm) | 100ml     |
| ICCS91           | Cs <sup>+</sup>  | CsNO <sub>3</sub>                 | H <sub>2</sub> O        | 1mg/ml (1,000ppm) | 100ml     |
| ICCB91           | Cs <sup>+</sup>  | CsNO <sub>3</sub>                 | H <sub>2</sub> O        | 1mg/ml (1,000ppm) | 500ml     |
| <b>Cobalt</b>    |                  |                                   |                         |                   |           |
| ICCU15           | Co <sup>2+</sup> | Co Metal                          | 0.005% HNO <sub>3</sub> | 0.1mg/ml (100ppm) | 100ml     |
| ICCS15           | Co <sup>2+</sup> | Co Metal                          | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 100ml     |
| ICCB15           | Co <sup>2+</sup> | Co Metal                          | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 500ml     |
| <b>Copper</b>    |                  |                                   |                         |                   |           |
| ICCU16           | Cu <sup>+</sup>  | Cu Metal                          | 0.005% HNO <sub>3</sub> | 0.1mg/ml (100ppm) | 100ml     |
| ICCS16           | Cu <sup>+</sup>  | Cu Metal                          | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 100ml     |
| ICCB16           | Cu <sup>+</sup>  | Cu Metal                          | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 500ml     |
| <b>Iron</b>      |                  |                                   |                         |                   |           |
| ICCU12           | Fe <sup>2+</sup> | Fe(NO <sub>3</sub> ) <sub>3</sub> | 0.005% HNO <sub>3</sub> | 0.1mg/ml (100ppm) | 100ml     |
| ICCS12           | Fe <sup>2+</sup> | Fe(NO <sub>3</sub> ) <sub>3</sub> | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 100ml     |
| ICCB12           | Fe <sup>2+</sup> | Fe(NO <sub>3</sub> ) <sub>3</sub> | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 500ml     |
| <b>Lead</b>      |                  |                                   |                         |                   |           |
| ICCU19           | Pb <sup>+</sup>  | PbNO <sub>2</sub>                 | 0.005% HNO <sub>3</sub> | 0.1mg/ml (100ppm) | 100ml     |
| ICCS19           | Pb <sup>+</sup>  | PbNO <sub>2</sub>                 | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 100ml     |
| ICCB19           | Pb <sup>+</sup>  | PbNO <sub>2</sub>                 | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 500ml     |
| <b>Lithium</b>   |                  |                                   |                         |                   |           |
| ICCU02           | Li <sup>+</sup>  | LiNO <sub>3</sub>                 | 0.005% HNO <sub>3</sub> | 0.1mg/ml (100ppm) | 100ml     |
| ICCS02           | Li <sup>+</sup>  | LiNO <sub>3</sub>                 | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 100ml     |
| ICCB02           | Li <sup>+</sup>  | LiNO <sub>3</sub>                 | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 500ml     |
| <b>Magnesium</b> |                  |                                   |                         |                   |           |
| ICCU07           | Mg <sup>2+</sup> | Mg(NO <sub>3</sub> ) <sub>2</sub> | H <sub>2</sub> O        | 0.1mg/ml (100ppm) | 100ml     |
| ICCS07           | Mg <sup>2+</sup> | Mg(NO <sub>3</sub> ) <sub>2</sub> | H <sub>2</sub> O        | 1mg/ml (1,000ppm) | 100ml     |
| ICCB07           | Mg <sup>2+</sup> | Mg(NO <sub>3</sub> ) <sub>2</sub> | H <sub>2</sub> O        | 1mg/ml (1,000ppm) | 500ml     |
| <b>Manganese</b> |                  |                                   |                         |                   |           |
| ICCU11           | Mn <sup>2+</sup> | Mn                                | 0.005% HNO <sub>3</sub> | 0.1mg/ml (100ppm) | 100ml     |
| ICCS11           | Mn <sup>2+</sup> | Mn                                | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 100ml     |
| ICCB11           | Mn <sup>2+</sup> | Mn                                | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 500ml     |
| <b>Nickel</b>    |                  |                                   |                         |                   |           |
| ICCU14           | Ni <sup>2+</sup> | Ni Metal                          | 0.005% HNO <sub>3</sub> | 0.1mg/ml (100ppm) | 100ml     |
| ICCS14           | Ni <sup>2+</sup> | Ni Metal                          | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 100ml     |
| ICCB14           | Ni <sup>2+</sup> | Ni Metal                          | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 500ml     |
| <b>Potassium</b> |                  |                                   |                         |                   |           |
| ICCU03           | K <sup>+</sup>   | KNO <sub>3</sub>                  | 0.005% HNO <sub>3</sub> | 0.1mg/ml (100ppm) | 100ml     |
| ICCS03           | K <sup>+</sup>   | KNO <sub>3</sub>                  | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 100ml     |
| ICCB03           | K <sup>+</sup>   | KNO <sub>3</sub>                  | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 500ml     |
| <b>Rubidium</b>  |                  |                                   |                         |                   |           |
| ICCU92           | Rb <sup>+</sup>  | RbNO <sub>3</sub>                 | 0.005% HNO <sub>3</sub> | 0.1mg/ml (100ppm) | 100ml     |
| ICCS92           | Rb <sup>+</sup>  | RbNO <sub>3</sub>                 | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 100ml     |
| ICCB92           | Rb <sup>+</sup>  | RbNO <sub>3</sub>                 | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 500ml     |

| Product No.      | Ion              | Starting Material                 | Matrix                  | Concentration     | Pack size |
|------------------|------------------|-----------------------------------|-------------------------|-------------------|-----------|
| <b>Sodium</b>    |                  |                                   |                         |                   |           |
| ICCU04           | Na <sup>+</sup>  | NaNO <sub>3</sub>                 | 0.005% HNO <sub>3</sub> | 0.1mg/ml (100ppm) | 100ml     |
| ICCS04           | Na <sup>+</sup>  | NaNO <sub>3</sub>                 | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 100ml     |
| ICCB04           | Na <sup>+</sup>  | NaNO <sub>3</sub>                 | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 500ml     |
| <b>Strontium</b> |                  |                                   |                         |                   |           |
| ICCU43           | Sr <sup>2+</sup> | Sr(NO <sub>3</sub> ) <sub>2</sub> | 0.005% HNO <sub>3</sub> | 0.1mg/ml (100ppm) | 100ml     |
| ICCS43           | Sr <sup>2+</sup> | Sr(NO <sub>3</sub> ) <sub>2</sub> | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 100ml     |
| ICCB43           | Sr <sup>2+</sup> | Sr(NO <sub>3</sub> ) <sub>2</sub> | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 500ml     |
| <b>Zinc</b>      |                  |                                   |                         |                   |           |
| ICCU33           | Zn <sup>2+</sup> | Zn Metal                          | 0.005% HNO <sub>3</sub> | 0.1mg/ml (100ppm) | 100ml     |
| ICCS33           | Zn <sup>2+</sup> | Zn Metal                          | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 100ml     |
| ICCB33           | Zn <sup>2+</sup> | Zn Metal                          | 0.005% HNO <sub>3</sub> | 1mg/ml (1,000ppm) | 500ml     |

## IC Multi-Element Standards

| Product No.                           | Elements        | Conc µg/ml | Matrix           | Pack size |
|---------------------------------------|-----------------|------------|------------------|-----------|
| IC Multi-Element Standard, 5 Elements |                 |            |                  |           |
| ICA-DX-51                             | Fl              | 20         | H <sub>2</sub> O | 100ml     |
|                                       | Cl              | 30         |                  |           |
|                                       | NO <sub>3</sub> | 100        |                  |           |
|                                       | PO <sub>4</sub> | 150        |                  |           |
|                                       | SO <sub>4</sub> | 150        |                  |           |
| IC Multi-Element Standard, 6 Elements |                 |            |                  |           |
| ICC-DX-611                            | Ca              | 1000       | H <sub>2</sub> O | 100ml     |
|                                       | NH <sub>4</sub> | 400        |                  |           |
|                                       | Na              | 200        |                  |           |
|                                       | K               | 200        |                  |           |
|                                       | Mg              | 200        |                  |           |
|                                       | Li              | 50         |                  |           |
| IC Multi-Element Standard, 6 Elements |                 |            |                  |           |
| ICC-DX-621                            | Li              | 50         | H <sub>2</sub> O | 100ml     |
|                                       | Na              | 200        |                  |           |
|                                       | NH <sub>4</sub> | 250        |                  |           |
|                                       | Mg              | 250        |                  |           |
|                                       | Ca              | 500        |                  |           |
|                                       | K               | 500        |                  |           |
| IC Multi-Element Standard, 7 Elements |                 |            |                  |           |
| ICA-DX-711                            | Fl              | 20         | H <sub>2</sub> O | 100ml     |
|                                       | Cl              | 30         |                  |           |
|                                       | Br              | 100        |                  |           |
|                                       | NO <sub>2</sub> | 100        |                  |           |
|                                       | NO <sub>3</sub> | 100        |                  |           |
|                                       | PO <sub>4</sub> | 150        |                  |           |
|                                       | SO <sub>4</sub> | 150        |                  |           |
| IC Multi-Element Standard, 7 Elements |                 |            |                  |           |
| ICA-DX-721                            | PO <sub>4</sub> | 200        | H <sub>2</sub> O | 100ml     |
|                                       | Cl              | 100        |                  |           |
|                                       | Br              | 100        |                  |           |
|                                       | NO <sub>2</sub> | 100        |                  |           |
|                                       | NO <sub>3</sub> | 100        |                  |           |
|                                       | SO <sub>4</sub> | 100        |                  |           |
|                                       | Fl              | 20         |                  |           |