

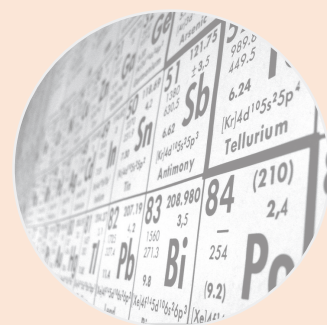
# AccuSPEC Ion Chromatography Standards

**SCP SCIENCE** manufactures and stocks single-element and multi-element Calibration Standards, as well as offers an excellent Custom-Standards program. All of our IC Standards are manufactured in accordance with **ISO 17034**, Quality Management System requirements, and can be used for calibration, QC checks or performance evaluation purposes.

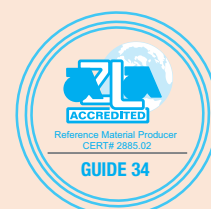
Custom standards are prepared, packaged and shipped within 72 hours of order confirmation. Visit our website and request a free online quote. Simply enter the desired anions/cations and their concentrations, together with the desired matrix, and a quotation will be sent to you. Or, contact your local Sales Representative or distributor for more information.



- **AccuSPEC IC Standards come complete with a Certificate of Analysis providing NIST traceability, certified concentration and uncertainty.**
- **GHS compliant labeling and SDS (Safety Data Sheets)**
- **Available in 2 convenient formats to meet your needs: 125 ml and 500 ml.**
- **2 expiry dates - up to 24 months unopened & 12 months opened.**
- **Longer shelf life for unopened bottles - stock with confidence.**



| Single Cation Chromatography Standard | Symbol                       | Matrix           | 1000 µg/ml  |             | 10 000 µg/ml |             |
|---------------------------------------|------------------------------|------------------|-------------|-------------|--------------|-------------|
|                                       |                              |                  | 125 ml      | 500 ml      | 125 ml       | 500 ml      |
| Ammonium                              | NH <sub>4</sub> <sup>+</sup> | H <sub>2</sub> O | 250-220-130 | 250-220-131 | 250-221-130  | 250-221-131 |
| Barium                                | Ba <sup>2+</sup>             | H <sub>2</sub> O | 250-220-175 | 250-220-176 | 250-221-175  | 250-221-176 |
| Calcium                               | Ca <sup>2+</sup>             | H <sub>2</sub> O | 250-220-250 | 250-220-251 | 250-221-250  | 250-221-251 |
| Lithium                               | Li <sup>+</sup>              | H <sub>2</sub> O | 250-220-445 | 250-220-446 | 250-221-445  | 250-221-446 |
| Magnesium                             | Mg <sup>2+</sup>             | H <sub>2</sub> O | 250-220-460 | 250-220-461 | 250-221-460  | 250-221-461 |
| Manganese                             | Mn <sup>2+</sup>             | H <sub>2</sub> O | 250-220-760 | 250-220-761 | ---          | ---         |
| Nickel                                | Ni <sup>2+</sup>             | H <sub>2</sub> O | 250-220-750 | 250-220-751 | ---          | ---         |
| Potassium                             | K <sup>+</sup>               | H <sub>2</sub> O | 250-220-625 | 250-220-626 | 250-221-625  | 250-221-626 |
| Sodium                                | Na <sup>+</sup>              | H <sub>2</sub> O | 250-220-640 | 250-220-641 | 250-221-640  | 250-221-641 |
| Strontium                             | Sr <sup>2+</sup>             | H <sub>2</sub> O | 250-220-685 | 250-220-686 | 250-221-685  | 250-221-686 |
| Zinc                                  | Zn <sup>2+</sup>             | H <sub>2</sub> O | 250-220-770 | 250-220-771 | ---          | ---         |



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| Single Anion Chromatography Standard |                                                           |                  | 1000 µg/ml  |             | 10 000 µg/ml |             |
|--------------------------------------|-----------------------------------------------------------|------------------|-------------|-------------|--------------|-------------|
|                                      | Symbol                                                    | Matrix           | 125 ml      | 500 ml      | 125 ml       | 500 ml      |
| Acetate                              | CH <sub>3</sub> COO <sup>-</sup>                          | H <sub>2</sub> O | 250-220-100 | 250-220-101 | 250-221-100  | 250-221-101 |
| Ammonia-Nitrogen                     | NH <sub>3</sub> <sup>+</sup> as N                         | H <sub>2</sub> O | 250-220-115 | 250-220-116 | 250-221-115  | 250-221-116 |
| Bromate                              | BrO <sub>3</sub> <sup>-</sup>                             | H <sub>2</sub> O | 250-220-220 | 250-220-221 | 250-221-220  | 250-221-221 |
| Bromide                              | Br <sup>-</sup>                                           | H <sub>2</sub> O | 250-220-235 | 250-220-236 | 250-221-235  | 250-221-236 |
| Butyrate                             | C <sub>4</sub> H <sub>7</sub> O <sub>2</sub> <sup>-</sup> | H <sub>2</sub> O | 250-220-790 | 250-220-791 | ---          | ---         |
| Chlorate                             | ClO <sub>3</sub> <sup>-</sup>                             | H <sub>2</sub> O | 250-220-355 | 250-220-356 | 250-221-350  | 250-221-351 |
| Chloride                             | Cl <sup>-</sup>                                           | H <sub>2</sub> O | 250-220-370 | 250-220-371 | 250-221-370  | 250-221-371 |
| Chromate                             | CrO <sub>4</sub> <sup>2-</sup>                            | H <sub>2</sub> O | 250-220-720 | 250-220-721 | ---          | ---         |
| Fluoride                             | F <sup>-</sup>                                            | H <sub>2</sub> O | 250-220-400 | 250-220-401 | 250-221-400  | 250-221-401 |
| Formate                              | HCOO <sup>-</sup>                                         | H <sub>2</sub> O | 250-220-415 | 250-220-416 | 250-221-410  | 250-221-411 |
| Iodide                               | I <sup>-</sup>                                            | H <sub>2</sub> O | 250-220-730 | 250-220-731 | 250-221-730  | 250-221-731 |
| Molybdate                            | MoO <sub>4</sub> <sup>2-</sup>                            | H <sub>2</sub> O | 250-220-780 | 250-220-781 | ---          | ---         |
| Nitrate                              | NO <sub>3</sub> <sup>-</sup>                              | H <sub>2</sub> O | 250-220-505 | 250-220-506 | 250-221-505  | 250-221-506 |
| Nitrate-Nitrogen                     | NO <sub>3</sub> <sup>-</sup> as N                         | H <sub>2</sub> O | 250-220-520 | 250-220-521 | 250-221-520  | 250-221-521 |
| Nitrite                              | NO <sub>2</sub> <sup>-</sup>                              | H <sub>2</sub> O | 250-220-535 | 250-220-536 | 250-221-535  | 250-221-536 |
| Nitrite-Nitrogen                     | NO <sub>2</sub> <sup>-</sup> as N                         | H <sub>2</sub> O | 250-220-550 | 250-220-551 | 250-221-550  | 250-221-551 |
| Oxalate                              | C <sub>2</sub> O <sub>4</sub> <sup>2-</sup>               | H <sub>2</sub> O | 250-220-565 | 250-220-566 | 250-221-560  | 250-221-561 |
| Perchlorate                          | ClO <sub>4</sub> <sup>-</sup>                             | H <sub>2</sub> O | 250-220-580 | 250-220-581 | 250-221-580  | 250-221-581 |
| Phosphate                            | PO <sub>4</sub> <sup>3-</sup>                             | H <sub>2</sub> O | 250-220-595 | 250-220-596 | 250-221-595  | 250-221-596 |
| Phosphate-Phosphorus                 | PO <sub>4</sub> <sup>3-</sup> as P                        | H <sub>2</sub> O | 250-220-610 | 250-220-611 | 250-221-610  | 250-221-611 |
| Propionate                           | CH <sub>3</sub> CH <sub>2</sub> COO <sup>-</sup>          | H <sub>2</sub> O | 250-220-740 | 250-220-741 | 250-221-740  | 250-221-741 |
| Sulfate                              | SO <sub>4</sub> <sup>2-</sup>                             | H <sub>2</sub> O | 250-220-700 | 250-220-701 | 250-221-700  | 250-221-701 |
| Sulfate-Sulfur                       | SO <sub>4</sub> <sup>2-</sup> as S                        | H <sub>2</sub> O | 250-220-715 | 250-220-716 | 250-221-710  | 250-221-711 |

| Multi-ion Standard 1     |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| Matrix: H <sub>2</sub> O | F <sup>-</sup> @ 20 µg/ml                                                 |
|                          | Cl <sup>-</sup> @ 30 µg/ml                                                |
|                          | NO <sub>3</sub> <sup>-</sup> @ 100 µg/ml                                  |
|                          | PO <sub>4</sub> <sup>3-</sup> , SO <sub>4</sub> <sup>2-</sup> @ 150 µg/ml |
| Volume (ml)              | Catalog No.                                                               |
| 125                      | 140-315-001                                                               |
| 500                      | 140-315-005                                                               |

| Multi-ion Standard 2                     |                                                                                                                                                                           |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Matrix: H <sub>2</sub> O with stabilizer | Cl <sup>-</sup> , F <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , PO <sub>4</sub> <sup>3-</sup> , SO <sub>4</sub> <sup>2-</sup> @ 10 µg/ml |
| Volume (ml)                              | Catalog No.                                                                                                                                                               |
| 125                                      | 140-315-031                                                                                                                                                               |
| 500                                      | 140-315-035                                                                                                                                                               |

| Multi-ion Standard 3                     |                                                                                                                                                                                              |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Matrix: H <sub>2</sub> O with stabilizer | Br <sup>-</sup> , Cl <sup>-</sup> , F <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , PO <sub>4</sub> <sup>3-</sup> , SO <sub>4</sub> <sup>2-</sup> @ 100 µg/ml |
| Volume (ml)                              | Catalog No.                                                                                                                                                                                  |
| 125                                      | 250-225-011                                                                                                                                                                                  |
| 500                                      | 250-225-015                                                                                                                                                                                  |

| Multi-ion Standard 4                     |                                                                                                                                                                                               |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Matrix: H <sub>2</sub> O with stabilizer | Br <sup>-</sup> , Cl <sup>-</sup> , F <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , PO <sub>4</sub> <sup>3-</sup> , SO <sub>4</sub> <sup>2-</sup> @ 1000 µg/ml |
| Volume (ml)                              | Catalog No.                                                                                                                                                                                   |
| 125                                      | 250-225-201                                                                                                                                                                                   |
| 500                                      | 250-225-205                                                                                                                                                                                   |