



Ion Chromatography Standards

Ion Chromatography Standards

All IC Standards are Certified Reference Materials, produced and calibrated under CPAchem's quality system that is:

- ISO 9001 certified
- accredited according to ISO/IEC 17025 - Testing
- accredited according to ISO/IEC 17034 - Reference Material Producer

Single-Ion Standards

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
H016.W.L1	Acetates (CH ₃ COO ⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H016.W.L25	Acetates (CH ₃ COO ⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H016.W.L5	Acetates (CH ₃ COO ⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H059.W.L1	Adipates 1000mg/l in Water	100	ml	12	Yes
H059.W.L25	Adipates 1000mg/l in Water	250	ml	12	Yes
H059.W.L5	Adipates 1000mg/l in Water	500	ml	12	Yes
H011.W.L1	Ammonium (NH ₄ ⁺) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H011.W.L25	Ammonium (NH ₄ ⁺) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H011.W.L5	Ammonium (NH ₄ ⁺) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H031.W.L1	Ammonium as N (NH ₄ ⁺ (as N)) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H031.W.L25	Ammonium as N (NH ₄ ⁺ (as N)) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H031.W.L5	Ammonium as N (NH ₄ ⁺ (as N)) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H022.W.L1	Barium (Ba ²⁺) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H022.W.L25	Barium (Ba ²⁺) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H022.W.L5	Barium (Ba ²⁺) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H030.W.L1	Benzoates (C ₆ H ₅ CO ₂ ⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H030.W.L25	Benzoates (C ₆ H ₅ CO ₂ ⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H030.W.L5	Benzoates (C ₆ H ₅ CO ₂ ⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H020.W.L1	Bromates (BrO ₃ ⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H020.W.L25	Bromates (BrO ₃ ⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H020.W.L5	Bromates (BrO ₃ ⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H001.W.L1	Bromides (Br ⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H001.W.L25	Bromides (Br ⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H001.W.L5	Bromides (Br ⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H060.W.L1	Butyrates (C ₄ H ₇ O ₂ ⁻) 1000mg/l in Water	100	ml	12	Yes
H060.W.L25	Butyrates (C ₄ H ₇ O ₂ ⁻) 1000mg/l in Water	250	ml	12	Yes
H060.W.L5	Butyrates (C ₄ H ₇ O ₂ ⁻) 1000mg/l in Water	500	ml	12	Yes
H002.W.L1	Calcium (Ca ²⁺) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H002.W.L25	Calcium (Ca ²⁺) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H002.W.L5	Calcium (Ca ²⁺) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H061.W.L1	Carbonates (CO ₃ ²⁻) 1000mg/l in H ₂ O for IC	100	ml	12	Yes
H061.W.L5	Carbonates (CO ₃ ²⁻) 1000mg/l in H ₂ O for IC	500	ml	12	Yes

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
H027.W.L1	Cesium (Cs+) 1000 mg/l in H2O for IC	100	ml	12	Yes
H027.W.L25	Cesium (Cs+) 1000 mg/l in H2O for IC	250	ml	12	Yes
H027.W.L5	Cesium (Cs+) 1000 mg/l in H2O for IC	500	ml	12	Yes
H025.W.L1	Chlorates (ClO3-) 1000 mg/l in H2O for IC	100	ml	12	Yes
H025.W.L25	Chlorates (ClO3-) 1000 mg/l in H2O for IC	250	ml	12	Yes
H025.W.L5	Chlorates (ClO3-) 1000 mg/l in H2O for IC	500	ml	12	Yes
H003.W.L1	Chlorides (Cl-) 1000 mg/l in H2O for IC	100	ml	12	Yes
H003.W.L25	Chlorides (Cl-) 1000 mg/l in H2O for IC	250	ml	12	Yes
H003.W.L5	Chlorides (Cl-) 1000 mg/l in H2O for IC	500	ml	12	Yes
H028.010.L1	Chlorites (ClO2-) 1000 mg/l in H2O for IC	100	ml	12	Yes
H028.010.L25	Chlorites (ClO2-) 1000 mg/l in H2O for IC	250	ml	12	Yes
H028.010.L5	Chlorites (ClO2-) 1000 mg/l in H2O for IC	500	ml	12	Yes
H004.W.L1	Chromium (Cr6+) 1000 mg/l in H2O for IC	100	ml	12	Yes
H004.W.L25	Chromium (Cr6+) 1000 mg/l in H2O for IC	250	ml	12	Yes
H004.W.L5	Chromium (Cr6+) 1000 mg/l in H2O for IC	500	ml	12	Yes
H029.W.L1	Citrates (C6H5O73-) 1000 mg/l in H2O for IC	100	ml	12	Yes
H029.W.L25	Citrates (C6H5O73-) 1000 mg/l in H2O for IC	250	ml	12	Yes
H029.W.L5	Citrates (C6H5O73-) 1000 mg/l in H2O for IC	500	ml	12	Yes
H032.W.L1	Cyanides 1 g/l in Water/ tr. KOH for IC	100	ml	12	Yes
H032.W.L5	Cyanides 1 g/l in Water/ tr. KOH for IC	500	ml	12	Yes
H032.W.L25	Cyanides 1 g/l in Water/ tr. KOH for IC	250	ml	12	Yes
H033.W.L1	Diethanolamine ((HOC2H4)2NH2+) 1000 mg/l in H2O for IC	100	ml	12	Yes
H033.W.L25	Diethanolamine ((HOC2H4)2NH2+) 1000 mg/l in H2O for IC	250	ml	12	Yes
H033.W.L5	Diethanolamine ((HOC2H4)2NH2+) 1000 mg/l in H2O for IC	500	ml	12	Yes
H005.W.L1	Fluorides (F-) 1000 mg/l in H2O for IC	100	ml	12	Yes
H005.W.L25	Fluorides (F-) 1000 mg/l in H2O for IC	250	ml	12	Yes
H005.W.L5	Fluorides (F-) 1000 mg/l in H2O for IC	500	ml	12	Yes
H026.W.L1	Formates (HCOO-) 1000 mg/l in H2O for IC	100	ml	12	Yes
H026.W.L25	Formates (HCOO-) 1000 mg/l in H2O for IC	250	ml	12	Yes
H026.W.L5	Formates (HCOO-) 1000 mg/l in H2O for IC	500	ml	12	Yes
H034.W.L1	Glycolates (C2H3O3-) 1000 mg/l in H2O for IC	100	ml	12	Yes
H034.W.L25	Glycolates (C2H3O3-) 1000 mg/l in H2O for IC	250	ml	12	Yes
H034.W.L5	Glycolates (C2H3O3-) 1000 mg/l in H2O for IC	500	ml	12	Yes
H035.W.L1	Hydrogenphthalates (C6H4(COO)2H -) 1000 mg/l in H2O for IC	100	ml	12	Yes
H035.W.L25	Hydrogenphthalates (C6H4(COO)2H -) 1000 mg/l in H2O for IC	250	ml	12	Yes
H035.W.L5	Hydrogenphthalates (C6H4(COO)2H -) 1000 mg/l in H2O for IC	500	ml	12	Yes
H057.W.L1	Hydrogensulfites (HSO3-) 1000 mg/l in H2O for IC	100	ml	12	Yes
H057.W.L25	Hydrogensulfites (HSO3-) 1000 mg/l in H2O for IC	250	ml	12	Yes
H057.W.L5	Hydrogensulfites (HSO3-) 1000 mg/l in H2O for IC	500	ml	12	Yes
H036.W.L1	Iodates (IO3-) 1000 mg/l in H2O for IC	100	ml	12	Yes
H036.W.L25	Iodates (IO3-) 1000 mg/l in H2O for IC	250	ml	12	Yes
H036.W.L5	Iodates (IO3-) 1000 mg/l in H2O for IC	500	ml	12	Yes
H006.W.L1	Iodides (I-) 1000 mg/l in H2O for IC	100	ml	12	Yes
H006.W.L25	Iodides (I-) 1000 mg/l in H2O for IC	250	ml	12	Yes

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
H006.W.L5	Iodides (I ⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H037.W.L1	Lactates (CH ₃ CH(OH)COO ⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H037.W.L25	Lactates (CH ₃ CH(OH)COO ⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H037.W.L5	Lactates (CH ₃ CH(OH)COO ⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H008.W.L1	Lithium (Li ⁺) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H008.W.L25	Lithium (Li ⁺) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H008.W.L5	Lithium (Li ⁺) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H009.W.L1	Magnesium (Mg ²⁺) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H009.W.L25	Magnesium (Mg ²⁺) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H009.W.L5	Magnesium (Mg ²⁺) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H038.W.L1	Maleates (C ₂ H ₂ (COO) ₂ ⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H038.W.L25	Maleates (C ₂ H ₂ (COO) ₂ ⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H038.W.L5	Maleates (C ₂ H ₂ (COO) ₂ ⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H039.W.L1	Methanesulphonates (CH ₃ SO ₃ ⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H039.W.L25	Methanesulphonates (CH ₃ SO ₃ ⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H039.W.L5	Methanesulphonates (CH ₃ SO ₃ ⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H053.W.L1	3-Methoxypropylamine (CH ₃ O(CH ₂) ₃ NH ₃ ⁺) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H053.W.L25	3-Methoxypropylamine (CH ₃ O(CH ₂) ₃ NH ₃ ⁺) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H053.W.L5	3-Methoxypropylamine (CH ₃ O(CH ₂) ₃ NH ₃ ⁺) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H040.W.L1	Monoethanolamine (HOC ₂ H ₄ NH ₃ ⁺) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H040.W.L25	Monoethanolamine (HOC ₂ H ₄ NH ₃ ⁺) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H040.W.L5	Monoethanolamine (HOC ₂ H ₄ NH ₃ ⁺) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H041.W.L1	Monomethylamine (CH ₃ NH ₃ ⁺) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H041.W.L25	Monomethylamine (CH ₃ NH ₃ ⁺) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H041.W.L5	Monomethylamine (CH ₃ NH ₃ ⁺) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H013.W.L1	Nitrates (NO ₃ ⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H013.W.L25	Nitrates (NO ₃ ⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H013.W.L5	Nitrates (NO ₃ ⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H044.W.L5	Nitrates as N (NO ₃ ⁻ (as N)) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H044.W.L25	Nitrates as N (NO ₃ ⁻ (as N)) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H044.W.L1	Nitrates as N (NO ₃ ⁻ (as N)) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H042.W.L1	Nitrilotriacetates (N(CH ₂ COO) ₃ ⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H042.W.L25	Nitrilotriacetates (N(CH ₂ COO) ₃ ⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H042.W.L5	Nitrilotriacetates (N(CH ₂ COO) ₃ ⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H012.W.L1	Nitrites (NO ₂ ⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H012.W.L25	Nitrites (NO ₂ ⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H012.W.L5	Nitrites (NO ₂ ⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H043.W.L1	Nitrites as N (NO ₂ ⁻ (as N)) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H043.W.L25	Nitrites as N (NO ₂ ⁻ (as N)) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H043.W.L5	Nitrites as N (NO ₂ ⁻ (as N)) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H024.W.L1	Oxalates (C ₂ O ₄ ²⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H024.W.L25	Oxalates (C ₂ O ₄ ²⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
H024.W.L5	Oxalates (C ₂ O ₄ ²⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H017.W.L1	Perchlorates (ClO ₄ ⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H017.W.L25	Perchlorates (ClO ₄ ⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H017.W.L5	Perchlorates (ClO ₄ ⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H045.W.L1	Phosphates (PO ₄ ³⁻ (as P)) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H045.W.L25	Phosphates (PO ₄ ³⁻ (as P)) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H045.W.L5	Phosphates (PO ₄ ³⁻ (as P)) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H014.W.L1	Phosphates (PO ₄ ³⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H014.W.L25	Phosphates (PO ₄ ³⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H014.W.L5	Phosphates (PO ₄ ³⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H007.W.L1	Potassium (K ⁺) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H007.W.L25	Potassium (K ⁺) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H007.W.L5	Potassium (K ⁺) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H046.W.L1	Propionates (C ₂ H ₅ COO ⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H046.W.L25	Propionates (C ₂ H ₅ COO ⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H046.W.L5	Propionates (C ₂ H ₅ COO ⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H047.10.L1	Silicates (SiO ₃ ²⁻) 1000 mg/l in diluted NaOH for IC	100	ml	12	Yes
H047.10.L25	Silicates (SiO ₃ ²⁻) 1000 mg/l in diluted NaOH for IC	250	ml	12	Yes
H047.10.L5	Silicates (SiO ₃ ²⁻) 1000 mg/l in diluted NaOH for IC	500	ml	12	Yes
H010.W.L1	Sodium (Na ⁺) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H010.W.L25	Sodium (Na ⁺) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H010.W.L5	Sodium (Na ⁺) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H023.W.L1	Strontium (Sr ²⁺) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H023.W.L25	Strontium (Sr ²⁺) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H023.W.L5	Strontium (Sr ²⁺) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H048.W.L1	Succinates (OOC(CH ₂) ₂ COO ²⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H048.W.L25	Succinates (OOC(CH ₂) ₂ COO ²⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H048.W.L5	Succinates (OOC(CH ₂) ₂ COO ²⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H015.W.L1	Sulphates (SO ₄ ²⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H015.W.L25	Sulphates (SO ₄ ²⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H015.W.L5	Sulphates (SO ₄ ²⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H018.W.L1	Sulphites as S(IV) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H018.W.L25	Sulphites as S(IV) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H018.W.L5	Sulphites as S(IV) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H049.W.L1	Tartrates (OOC(CHOH) ₂ COO ²⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H049.W.L25	Tartrates (OOC(CHOH) ₂ COO ²⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H049.W.L5	Tartrates (OOC(CHOH) ₂ COO ²⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H058.W.L1	Tetrafluoroborates (BF ₄ ⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H058.W.L25	Tetrafluoroborates (BF ₄ ⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H058.W.L5	Tetrafluoroborates (BF ₄ ⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H021.W.L1	Thiocyanates (SCN ⁻) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H021.W.L25	Thiocyanates (SCN ⁻) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H021.W.L5	Thiocyanates (SCN ⁻) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H050.011044.L1	Thiosulphates (S ₂ O ₃ ²⁻) 1000 mg/l in diluted n-pentanol for IC	100	ml	12	Yes
H050.011044.L25	Thiosulphates (S ₂ O ₃ ²⁻) 1000 mg/l in diluted n-pentanol for IC	250	ml	12	Yes
H050.011044.L5	Thiosulphates (S ₂ O ₃ ²⁻) 1000 mg/l in diluted n-pentanol for IC	500	ml	12	Yes

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
H051.W.L1	Triethanolamine ((HOC ₂ H ₄) ₃ NH ⁺) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H051.W.L25	Triethanolamine ((HOC ₂ H ₄) ₃ NH ⁺) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H051.W.L5	Triethanolamine ((HOC ₂ H ₄) ₃ NH ⁺) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H054.W.L1	Triethylamine ((C ₂ H ₅) ₃ NH ⁺) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H054.W.L25	Triethylamine ((C ₂ H ₅) ₃ NH ⁺) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H054.W.L5	Triethylamine ((C ₂ H ₅) ₃ NH ⁺) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H052.W.L1	Trimethylamine ((CH ₃) ₃ NH ⁺) 1000 mg/l in H ₂ O for IC	100	ml	12	Yes
H052.W.L25	Trimethylamine ((CH ₃) ₃ NH ⁺) 1000 mg/l in H ₂ O for IC	250	ml	12	Yes
H052.W.L5	Trimethylamine ((CH ₃) ₃ NH ⁺) 1000 mg/l in H ₂ O for IC	500	ml	12	Yes
H056.W.L1	Hydrazine N ₂ H ₄ 1000mg/l in H ₂ O	100	ml	12	Yes
H056.W.L5	Hydrazine N ₂ H ₄ 1000mg/l in H ₂ O	500	ml	12	Yes

Multi-Ion Standards

Anion Standards

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
23A9.5.W.L1	Multi-anion standard - 2 components: Phosphates (PO ₄ ³⁻) 50mg/l ; Chlorides (Cl ⁻) 5mg/l in Water	100	ml	6	Yes
23A9.5.W.L5	Multi-anion standard - 2 components: Phosphates (PO ₄ ³⁻) 50mg/l ; Chlorides (Cl ⁻) 5mg/l in Water	500	ml	6	Yes
3029.D2.W.L1	Multi-anion standard - 2 components: Phosphates (PO ₄ ³⁻) 20mg/l ; Chlorides (Cl ⁻) 0.2mg/l in Water	100	ml	4	Yes
3029.D2.W.L5	Multi-anion standard - 2 components: Phosphates (PO ₄ ³⁻) 20mg/l ; Chlorides (Cl ⁻) 0.2mg/l in Water	500	ml	4	Yes
3029.D5.W.L1	Multi-anion standard - 2 components: Phosphates (PO ₄ ³⁻) 50mg/l ; Chlorides (Cl ⁻) 0.5mg/l in Water	100	ml	4	Yes
3029.D5.W.L5	Multi-anion standard - 2 components: Phosphates (PO ₄ ³⁻) 50mg/l ; Chlorides (Cl ⁻) 0.5mg/l in Water	500	ml	4	Yes
3905.1K.W.L1	Multi-anion standard - 3 components: 1000mg/l each of Chlorides (Cl ⁻) ; Nitrates (NO ₃ ⁻) ; Sulphates (SO ₄ ²⁻) in Water	100	ml	12	Yes
3784.D2.W.L1	Multi-anion standard - 3 components: Phosphates (PO ₄ ³⁻) 20mg/l ; Chlorides (Cl ⁻) 0.2mg/l ; Sulphates (SO ₄ ²⁻) 0.2mg/l in Water	100	ml	4	Yes
3784.D2.W.L5	Multi-anion standard - 3 components: Phosphates (PO ₄ ³⁻) 20mg/l ; Chlorides (Cl ⁻) 0.2mg/l ; Sulphates (SO ₄ ²⁻) 0.2mg/l in Water	500	ml	4	Yes
3784.D5.W.L1	Multi-anion standard - 3 components: Phosphates (PO ₄ ³⁻) 50mg/l ; Chlorides (Cl ⁻) 0.5mg/l ; Sulphates (SO ₄ ²⁻) 0.5mg/l in Water	100	ml	4	Yes
3784.D5.W.L5	Multi-anion standard - 3 components: Phosphates (PO ₄ ³⁻) 50mg/l ; Chlorides (Cl ⁻) 0.5mg/l ; Sulphates (SO ₄ ²⁻) 0.5mg/l in Water	500	ml	4	Yes
60DB.1K.W.L1	Multi-anion standard - 3 components: 1000mg/l each of Fluorides (F ⁻) ; Bromides (Br ⁻) ; Phosphates (PO ₄ ³⁻) in Water	100	ml	12	Yes
60DB.1K.W.L25	Multi-anion standard - 3 components: 1000mg/l each of Fluorides (F ⁻) ; Bromides (Br ⁻) ; Phosphates (PO ₄ ³⁻) in Water	250	ml	12	Yes
60DB.1K.W.L5	Multi-anion standard - 3 components: 1000mg/l each of Fluorides (F ⁻) ; Bromides (Br ⁻) ; Phosphates (PO ₄ ³⁻) in Water	500	ml	12	Yes
RM007001L1	Multi-anion standard - 5 components: Fluorides (F ⁻) 100mg/l ; Chlorides (Cl ⁻) 250mg/l ; Nitrates (NO ₃ ⁻) 500mg/l ; Sulphates (SO ₄ ²⁻) 500mg/l ; Phosphates (PO ₄ ³⁻) 1000mg/l in Water	100	ml	12	Yes

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
RM007001L5	Multi-anion standard - 5 components: Fluorides (F-) 100mg/l ; Chlorides (Cl-) 250mg/l ; Nitrates (NO3-) 500mg/l ; Sulphates (SO42-) 500mg/l ; Phosphates (PO43-) 1000mg/l in Water	500	ml	12	Yes
D251.1K.W.L1	Multi-anion standard - 5 components: 1000mg/l each of Fluorides (F-) ; Chlorides (Cl-) ; Phosphates (PO43-) ; Sulphates (SO42-) ; Nitrates (NO3-) in Water	100	ml	12	Yes
D251.1K.W.L5	Multi-anion standard - 5 components: 1000mg/l each of Fluorides (F-) ; Chlorides (Cl-) ; Phosphates (PO43-) ; Sulphates (SO42-) ; Nitrates (NO3-) in Water	500	ml	12	Yes
D371.40.W.L1	Multi-anion standard - 5 components: Chlorides (Cl-) 40mg/l ; Nitrites (NO2-) 10mg/l ; Nitrates (NO3-) 40mg/l ; Phosphates (PO43-) 20mg/l ; Sulphates (SO42-) 100mg/l in Water	100	ml	6	Yes
D371.40.W.L5	Multi-anion standard - 5 components: Chlorides (Cl-) 40mg/l ; Nitrites (NO2-) 10mg/l ; Nitrates (NO3-) 40mg/l ; Phosphates (PO43-) 20mg/l ; Sulphates (SO42-) 100mg/l in Water	500	ml	6	Yes
E3A7.1K.W.L1	Multi-anion standard - 6 components: 1000mg/l each of Nitrates (NO3-) ; Chlorides (Cl-) ; Sulphates (SO42-) ; Bromides (Br-) ; Phosphates (PO43-) ; Fluorides (F-) in Water	100	ml	12	Yes
E3A7.K1.W.L1	Multi-anion standard - 6 components: 100mg/l each of Fluorides (F-) ; Chlorides (Cl-) ; Bromides (Br-) ; Nitrates (NO3-) ; Phosphates (PO43-) ; Sulphates (SO42-) in Water	100	ml	12	Yes
0F6C.K3.W.L1	Multi-anion standard - 6 components: Fluorides (F-) 100mg/l ; Chlorides (Cl-) 300mg/l ; Nitrites (NO2-) 50mg/l ; Nitrates (NO3-) 100mg/l ; Phosphates (PO43-) 100mg/l ; Sulphates (SO42-) 300mg/l in Water	100	ml	6	Yes
0F6C.K3.W.L25	Multi-anion standard - 6 components: Fluorides (F-) 100mg/l ; Chlorides (Cl-) 300mg/l ; Nitrites (NO2-) 50mg/l ; Nitrates (NO3-) 100mg/l ; Phosphates (PO43-) 100mg/l ; Sulphates (SO42-) 300mg/l in Water	250	ml	12	Yes
1521.1K.W.L1	Multi-anion standard - 7 components: 1000mg/l each of Fluorides (F-) ; Chlorides (Cl-) ; Nitrites (NO2-) ; Bromides (Br-) ; Nitrates (NO3-) ; Sulphates (SO42-) ; Phosphates (PO43-) in Water	100	ml	12	Yes
1521.1K.W.L25	Multi-anion standard - 7 components: 1000mg/l each of Fluorides (F-) ; Chlorides (Cl-) ; Nitrites (NO2-) ; Bromides (Br-) ; Nitrates (NO3-) ; Sulphates (SO42-) ; Phosphates (PO43-) in Water	250	ml	12	Yes
ACE63.25.W.L1	Multi-anion standard - 7 components: Fluorides 5mg/l ; Chlorides 10mg/l ; Nitrites 15mg/l ; Bromides 25mg/l ; Nitrates 25mg/l ; Phosphates 40mg/l ; Sulphates 30mg/l in Water	100	ml	6	Yes
ACE63.25.W.L5	Multi-anion standard - 7 components: Fluorides 5mg/l ; Chlorides 10mg/l ; Nitrites 15mg/l ; Bromides 25mg/l ; Nitrates 25mg/l ; Phosphates 40mg/l ; Sulphates 30mg/l in Water	500	ml	6	Yes
1521.10.W.L1	Multi-anion standard - 7 components: 10mg/l each of Bromides (Br-) ; Chlorides (Cl-) ; Fluorides (F-) ; Nitrates (NO3-) ; Nitrites (NO2-) ; Phosphates (PO43-) ; Sulphates (SO42-) in Water	100	ml	6	Yes
1521.10.W.L5	Multi-anion standard - 7 components: 10mg/l each of Bromides (Br-) ; Chlorides (Cl-) ; Fluorides (F-) ; Nitrates (NO3-) ; Nitrites (NO2-) ; Phosphates (PO43-) ; Sulphates (SO42-) in Water	500	ml	6	Yes
7344.K1.W.L1	Multi-anion standard - 7 components: Chlorides (Cl-) 100mg/l ; Fluorides (F-) 25mg/l ; Sulphates (SO42-) 100mg/l ; Nitrates (NO3-) 100mg/l ; Nitrites (NO2-) 100mg/l ; Bromides (Br-) 100mg/l ; Phosphates (PO43-) 100mg/l in Water	100	ml	6	Yes
7344.K1.W.L25	Multi-anion standard - 7 components: Chlorides (Cl-) 100mg/l ; Fluorides (F-) 25mg/l ; Sulphates (SO42-) 100mg/l ; Nitrates (NO3-) 100mg/l ; Nitrites (NO2-) 100mg/l ; Bromides (Br-) 100mg/l ; Phosphates (PO43-) 100mg/l in Water	250	ml	6	Yes
7344.K1.W.L5	Multi-anion standard - 7 components: Chlorides (Cl-) 100mg/l ; Fluorides (F-) 25mg/l ; Sulphates (SO42-) 100mg/l ; Nitrates (NO3-) 100mg/l ; Nitrites (NO2-) 100mg/l ; Bromides (Br-) 100mg/l ; Phosphates (PO43-) 100mg/l in Water	500	ml	6	Yes

Cation Standards

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
4C79.1K.W.L1	Multi-cation standard - 4 components: 1000mg/l each of Sodium (Na+); Potassium (K+); Magnesium (Mg2+); Calcium (Ca2+) in Water	100	ml	12	Yes
1A15.K1.W.L1	Multi-cation standard - 5 components: 100mg/l each of Ammonium (NH4+); Magnesium (Mg2+); Calcium (Ca2+); Sodium (Na+); Potassium (K+) in Water	100	ml	12	Yes
A3DCF.40.01N.L1	Multi-cation standard - 6 components: Lithium 10mg/l; Sodium 20mg/l; Ammonium 40mg/l; Calcium 40mg/l; Magnesium 20mg/l; Potassium 20mg/l in Nitric Acid 0.1%	100	ml	6	Yes
A3DCF.40.01N.L5	Multi-cation standard - 6 components: Lithium 10mg/l; Sodium 20mg/l; Ammonium 40mg/l; Calcium 40mg/l; Magnesium 20mg/l; Potassium 20mg/l in Nitric Acid 0.1%	500	ml	6	Yes
A7A40.5.01N.L1	Multi-cation standard - 6 components: Lithium 0.5mg/l; Sodium 2mg/l; Ammonium 2.5mg/l; Potassium 5mg/l; Magnesium 2.5mg/l; Calcium 5mg/l in Nitric Acid 0.1%	100	ml	6	Yes
A7A40.5.01N.L5	Multi-cation standard - 6 components: Lithium 0.5mg/l; Sodium 2mg/l; Ammonium 2.5mg/l; Potassium 5mg/l; Magnesium 2.5mg/l; Calcium 5mg/l in Nitric Acid 0.1%	500	ml	6	Yes

Eluent Concentrates

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
EL001.W.L1	0.5M Na ₂ CO ₃ in H ₂ O eluent concentrate for IC	100	ml	24	No
EL001.W.L5	0.5M Na ₂ CO ₃ in H ₂ O eluent concentrate for IC	500	ml	24	No
EL002.W.L1	0.5M NaHCO ₃ in H ₂ O eluent concentrate for IC	100	ml	24	No
EL002.W.L5	0.5M NaHCO ₃ in H ₂ O eluent concentrate for IC	500	ml	24	No
EL003.W.L1	0.22M Na ₂ CO ₃ / 0.28M NaHCO ₃ eluent concentrate for IC	100	ml	24	No
EL003.W.L5	0.22M Na ₂ CO ₃ / 0.28M NaHCO ₃ eluent concentrate for IC	500	ml	24	No
EL004.W.L1	0.18M Na ₂ CO ₃ / 0.17M NaHCO ₃ eluent concentrate for IC	100	ml	24	No
EL004.W.L5	0.18M Na ₂ CO ₃ / 0.17M NaHCO ₃ eluent concentrate for IC	500	ml	24	No
EL005.W.L1	0.35M Na ₂ CO ₃ / 0.10M NaHCO ₃ eluent concentrate for IC	100	ml	24	No
EL005.W.L5	0.35M Na ₂ CO ₃ / 0.10M NaHCO ₃ eluent concentrate for IC	500	ml	24	No
EL008.W.L1	0.5M Methanesulfonic acid eluent concentrate for IC	100	ml	24	No
EL008.W.L5	0.5M Methanesulfonic acid eluent concentrate for IC	500	ml	24	No

Water for Ion Chromatography

Ref. Number	Description	Volume	Msr. Unit	Shelf-life (months)	ISO 17034 ISO 17025
CIW.1L	Water for Ion Chromatography	1000	ml	12	No