



Certified Reference Materials for Ion Chromatography

ISO 9001:2015 Registered • ISO/IEC 17025:2005 Accredited • ISO 17034:2016 Accredited

IC Single and Multi-Component Standards

We offer a broad range of single and multi-component standards for Ion Chromatography/Ion Selective Electrode applications. These standards can be used with methods for common anions, such as EPA Method 300, Standard Method 4110, and ASTM D4327; methods for cations include EPA Method 300.7; methods for speciated metals, such as EPA Method 218.7; and methods for metal cyanide complexes include EPA Method 9015 and for total cyanide as in ASTM D 2036-97 to list a few.

IC Single-Component Standards - Anions				
Component	Concentration	Matrix	Volume	Part #
Acetate	100 µg/mL	H ₂ O	100 mL	IC-AC-100
Acetate	100 µg/mL	H ₂ O	250 mL	IC-AC-250
Acetate	100 µg/mL	H ₂ O	500 mL	IC-AC-500
Acetate	1,000 µg/mL	H ₂ O	100 mL	IC-AC-M-100
Acetate	1,000 µg/mL	H ₂ O	250 mL	IC-AC-M-250
Acetate	1,000 µg/mL	H ₂ O	500 mL	IC-AC-M-500
Bromate	100 µg/mL	H ₂ O	100 mL	IC-BRO3-100
Bromate	100 µg/mL	H ₂ O	250 mL	IC-BRO3-250
Bromate	100 µg/mL	H ₂ O	500 mL	IC-BRO3-500
Bromate	1,000 µg/mL	H ₂ O	100 mL	IC-BRO3-M-100
Bromate	1,000 µg/mL	H ₂ O	250 mL	IC-BRO3-M-250
Bromate	1,000 µg/mL	H ₂ O	500 mL	IC-BRO3-M-500
Bromide	10 µg/mL	H ₂ O	100 mL	IC-BR-10-100
Bromide	10 µg/mL	H ₂ O	250 mL	IC-BR-10-250
Bromide	10 µg/mL	H ₂ O	500 mL	IC-BR-10-500
Bromide	100 µg/mL	H ₂ O	100 mL	IC-BR-100
Bromide	100 µg/mL	H ₂ O	250 mL	IC-BR-250
Bromide	100 µg/mL	H ₂ O	500 mL	IC-BR-500
Bromide	1,000 µg/mL	H ₂ O	100 mL	IC-BR-M-100
Bromide	1,000 µg/mL	H ₂ O	250 mL	IC-BR-M-250
Bromide	1,000 µg/mL	H ₂ O	500 mL	IC-BR-M-500
Bromide	10,000 µg/mL	H ₂ O	100 mL	IC-BR-10M-100
Bromide	10,000 µg/mL	H ₂ O	250 mL	IC-BR-10M-250
Bromide	10,000 µg/mL	H ₂ O	500 mL	IC-BR-10M-500
Bromide	10 µg/mL	H ₂ O	100 mL	ICP-BR-10-100
Bromide	10 µg/mL	H ₂ O	250 mL	ICP-BR-10-250
Bromide	10 µg/mL	H ₂ O	500 mL	ICP-BR-10-500
Butyrate	100 µg/mL	H ₂ O	100 mL	IC-BTY-100
Butyrate	1,000 µg/mL	H ₂ O	100 mL	IC-BTY-M-100
Chlorate	100 µg/mL	H ₂ O	100 mL	IC-CLO3-100
Chlorate	100 µg/mL	H ₂ O	250 mL	IC-CLO3-250
Chlorate	100 µg/mL	H ₂ O	500 mL	IC-CLO3-500
Chlorate	1,000 µg/mL	H ₂ O	100 mL	IC-CLO3-M-100
Chlorate	1,000 µg/mL	H ₂ O	250 mL	IC-CLO3-M-250
Chlorate	1,000 µg/mL	H ₂ O	500 mL	IC-CLO3-M-500
Chloride	10 µg/mL	H ₂ O	100 mL	IC-CL-10-100
Chloride	10 µg/mL	H ₂ O	250 mL	IC-CL-10-250
Chloride	10 µg/mL	H ₂ O	500 mL	IC-CL-10-500
Chloride	10 µg/mL	H ₂ O	100 mL	ICP-CL-10-100
Chloride	10 µg/mL	H ₂ O	250 mL	ICP-CL-10-250
Chloride	10 µg/mL	H ₂ O	500 mL	ICP-CL-10-500
Chloride	100 µg/mL	H ₂ O	100 mL	IC-CL-100
Chloride	100 µg/mL	H ₂ O	250 mL	IC-CL-250
Chloride	100 µg/mL	H ₂ O	500 mL	IC-CL-500

IC Single-Component Standards - Anions (cont'd)

Component	Concentration	Matrix	Volume	Part #
Chloride	1,000 µg/mL	H ₂ O	100 mL	IC-CL-M-100
Chloride	1,000 µg/mL	H ₂ O	250 mL	IC-CL-M-250
Chloride	1,000 µg/mL	H ₂ O	500 mL	IC-CL-M-500
Chloride	10,000 µg/mL	H ₂ O	100 mL	IC-CL-10M-100
Chloride	10,000 µg/mL	H ₂ O	250 mL	IC-CL-10M-250
Chloride	10,000 µg/mL	H ₂ O	500 mL	IC-CL-10M-500
Chlorite	100 µg/mL	H ₂ O	100 mL	IC-CLO2-100
Chlorite	100 µg/mL	H ₂ O	250 mL	IC-CLO2-250
Chlorite	100 µg/mL	H ₂ O	500 mL	IC-CLO2-500
Chlorite	1,000 µg/mL	H ₂ O	100 mL	IC-CLO2-M-100
Chlorite	1,000 µg/mL	H ₂ O	250 mL	IC-CLO2-M-250
Chlorite	1,000 µg/mL	H ₂ O	500 mL	IC-CLO2-M-500
Cyanide	100 µg/mL	2% KOH	100 mL	IC-CN-100
Cyanide	100 µg/mL	2% KOH	250 mL	IC-CN-250
Cyanide	100 µg/mL	2% KOH	500 mL	IC-CN-500
Cyanide	1,000 µg/mL	2% KOH	100 mL	IC-CN-M-100
Cyanide	1,000 µg/mL	2% KOH	250 mL	IC-CN-M-250
Cyanide	1,000 µg/mL	2% KOH	500 mL	IC-CN-M-500
Fluoride	10 µg/mL	H ₂ O	100 mL	IC-FF-10-100
Fluoride	10 µg/mL	H ₂ O	250 mL	IC-FF-10-250
Fluoride	10 µg/mL	H ₂ O	500 mL	IC-FF-10-500
Fluoride	100 µg/mL	H ₂ O	100 mL	IC-FF-100
Fluoride	100 µg/mL	H ₂ O	250 mL	IC-FF-250
Fluoride	100 µg/mL	H ₂ O	500 mL	IC-FF-500
Fluoride	1,000 µg/mL	H ₂ O	100 mL	IC-FF-M-100
Fluoride	1,000 µg/mL	H ₂ O	250 mL	IC-FF-M-250
Fluoride	1,000 µg/mL	H ₂ O	500 mL	IC-FF-M-500
Fluoride	10,000 µg/mL	H ₂ O	100 mL	IC-FF-10M-100
Fluoride	10,000 µg/mL	H ₂ O	250 mL	IC-FF-10M-250
Fluoride	10,000 µg/mL	H ₂ O	500 mL	IC-FF-10M-500
Formate	100 µg/mL	H ₂ O	100 mL	IC-FM-100
Formate	100 µg/mL	H ₂ O	250 mL	IC-FM-250
Formate	1,000 µg/mL	H ₂ O	100 mL	IC-FM-M-100
Formate	1,000 µg/mL	H ₂ O	250 mL	IC-FM-M-250
Formate	1,000 µg/mL	H ₂ O	500 mL	IC-FM-M-500
Glycolate	100 µg/mL	H ₂ O	100 mL	IC-GLY-100
Glycolate	1,000 µg/mL	H ₂ O	100 mL	IC-GLY-M-100
Glycolate	1,000 µg/mL	H ₂ O	500 mL	IC-GLY-M-500
Iodide	10 µg/mL	H ₂ O	100 mL	ICP-II-10-100
Iodide	10 µg/mL	H ₂ O	250 mL	ICP-II-10-250
Iodide	10 µg/mL	H ₂ O	500 mL	ICP-II-10-500
Iodide	10 µg/mL	H ₂ O	100 mL	IC-II-10-100
Iodide	10 µg/mL	H ₂ O	250 mL	IC-II-10-250
Iodide	10 µg/mL	H ₂ O	500 mL	IC-II-10-500
Iodide	100 µg/mL	H ₂ O	100 mL	IC-II-100
Iodide	100 µg/mL	H ₂ O	250 mL	IC-II-250
Iodide	100 µg/mL	H ₂ O	500 mL	IC-II-500
Iodide	1,000 µg/mL	H ₂ O	100 mL	IC-II-M-100
Iodide	1,000 µg/mL	H ₂ O	250 mL	IC-II-M-250
Iodide	1,000 µg/mL	H ₂ O	500 mL	IC-II-M-500
Lactate	100 µg/mL	H ₂ O	100 mL	IC-LAC-100

IC Single-Component Standards - Anions (cont'd)

Component	Concentration	Matrix	Volume	Part #
Lactate	1,000 µg/mL	H ₂ O	100 mL	IC-LAC-M-100
Lactate	1,000 µg/mL	H ₂ O	250 mL	IC-LAC-M-250
Nitrate	100 µg/mL	H ₂ O	100 mL	IC-NO-100
Nitrate	100 µg/mL	H ₂ O	250 mL	IC-NO-250
Nitrate	100 µg/mL	H ₂ O	500 mL	IC-NO-500
Nitrate	1,000 µg/mL	H ₂ O	100 mL	IC-NO-M-100
Nitrate	1,000 µg/mL	H ₂ O	250 mL	IC-NO-M-250
Nitrate	1,000 µg/mL	H ₂ O	500 mL	IC-NO-M-500
Nitrate	10,000 µg/mL	H ₂ O	100 mL	IC-NO-10M-100
Nitrate	10,000 µg/mL	H ₂ O	250 mL	IC-NO-10M-250
Nitrate	10,000 µg/mL	H ₂ O	500 mL	IC-NO-10M-500
Nitrite	100 µg/mL	H ₂ O	100 mL	IC-N-100
Nitrite	100 µg/mL	H ₂ O	250 mL	IC-N-250
Nitrite	100 µg/mL	H ₂ O	500 mL	IC-N-500
Nitrite	1,000 µg/mL	H ₂ O	100 mL	IC-N-M-100
Nitrite	1,000 µg/mL	H ₂ O	250 mL	IC-N-M-250
Nitrite	1,000 µg/mL	H ₂ O	500 mL	IC-N-M-500
Nitrogen from Nitrate	100 µg/mL	H ₂ O	100 mL	IC-NO3-100
Nitrogen from Nitrate	100 µg/mL	H ₂ O	250 mL	IC-NO3-250
Nitrogen from Nitrate	100 µg/mL	H ₂ O	500 mL	IC-NO3-500
Nitrogen from Nitrate	1,000 µg/mL	H ₂ O	100 mL	IC-NO3-M-100
Nitrogen from Nitrate	1,000 µg/mL	H ₂ O	250 mL	IC-NO3-M-250
Nitrogen from Nitrate	1,000 µg/mL	H ₂ O	500 mL	IC-NO3-M-500
Nitrogen from Nitrite	100 µg/mL	H ₂ O	100 mL	IC-NO2-100
Nitrogen from Nitrite	100 µg/mL	H ₂ O	250 mL	IC-NO2-250
Nitrogen from Nitrite	100 µg/mL	H ₂ O	500 mL	IC-NO2-500
Nitrogen from Nitrite	1,000 µg/mL	H ₂ O	100 mL	IC-NO2-M-100
Nitrogen from Nitrite	1,000 µg/mL	H ₂ O	250 mL	IC-NO2-M-250
Nitrogen from Nitrite	1,000 µg/mL	H ₂ O	500 mL	IC-NO2-M-500
Oxalate	100 µg/mL	H ₂ O	100 mL	IC-OX-100
Oxalate	100 µg/mL	H ₂ O	250 mL	IC-OX-250
Oxalate	100 µg/mL	H ₂ O	500 mL	IC-OX-500
Oxalate	1,000 µg/mL	H ₂ O	100 mL	IC-OX-M-100
Oxalate	1,000 µg/mL	H ₂ O	250 mL	IC-OX-M-250
Oxalate	1,000 µg/mL	H ₂ O	500 mL	IC-OX-M-500
Perchlorate	100 µg/mL	H ₂ O	100 mL	IC-CLO4-100
Perchlorate	100 µg/mL	H ₂ O	250 mL	IC-CLO4-250
Perchlorate	100 µg/mL	H ₂ O	500 mL	IC-CLO4-500
Perchlorate	1,000 µg/mL	H ₂ O	100 mL	IC-CLO4-M-100
Perchlorate	1,000 µg/mL	H ₂ O	250 mL	IC-CLO4-M-250
Perchlorate	1,000 µg/mL	H ₂ O	500 mL	IC-CLO4-M-500
Phosphate	100 µg/mL	H ₂ O	100 mL	IC-PP-100
Phosphate	100 µg/mL	H ₂ O	250 mL	IC-PP-250
Phosphate	100 µg/mL	H ₂ O	500 mL	IC-PP-500
Phosphate	1,000 µg/mL	H ₂ O	100 mL	IC-PP-M-100
Phosphate	1,000 µg/mL	H ₂ O	250 mL	IC-PP-M-250
Phosphate	1,000 µg/mL	H ₂ O	500 mL	IC-PP-M-500
Phosphate	10,000 µg/mL	H ₂ O	100 mL	IC-PP-10M-100
Phosphate	10,000 µg/mL	H ₂ O	250 mL	IC-PP-10M-250
Phosphate	10,000 µg/mL	H ₂ O	500 mL	IC-PP-10M-500
Phosphate	100 µg/mL	H ₂ O	100 mL	IC-KPP-100

IC Single-Component Standards - Anions (cont'd)

Component	Concentration	Matrix	Volume	Part #
Phosphate	100 µg/mL	H ₂ O	250 mL	IC-KPP-250
Phosphate	100 µg/mL	H ₂ O	500 mL	IC-KPP-500
Phosphate	1,000 µg/mL	H ₂ O	100 mL	IC-KPP-M-100
Phosphate	1,000 µg/mL	H ₂ O	250 mL	IC-KPP-M-250
Phosphate	1,000 µg/mL	H ₂ O	500 mL	IC-KPP-M-500
Phosphorus	100 µg/mL	H ₂ O	100 mL	IC-P-100
Phosphorus	100 µg/mL	H ₂ O	250 mL	IC-P-250
Phosphorus	100 µg/mL	H ₂ O	500 mL	IC-P-500
Phosphorus	1,000 µg/mL	H ₂ O	100 mL	IC-P-M-100
Phosphorus	1,000 µg/mL	H ₂ O	250 mL	IC-P-M-250
Phosphorus	1,000 µg/mL	H ₂ O	500 mL	IC-P-M-500
Phosphorus	1,000 µg/mL	H ₂ O	100 mL	IC-KP-M-100
Phosphorus	1,000 µg/mL	H ₂ O	250 mL	IC-KP-M-250
Phosphorus	1,000 µg/mL	H ₂ O	500 mL	IC-KP-M-500
Propionate	100 µg/mL	H ₂ O	100 mL	IC-PRO-100
Propionate	100 µg/mL	H ₂ O	250 mL	IC-PRO-250
Propionate	100 µg/mL	H ₂ O	500 mL	IC-PRO-500
Propionate	1,000 µg/mL	H ₂ O	100 mL	IC-PRO-M-100
Propionate	1,000 µg/mL	H ₂ O	250 mL	IC-PRO-M-250
Propionate	1,000 µg/mL	H ₂ O	500 mL	IC-PRO-M-500
Sulfate	100 µg/mL	H ₂ O	100 mL	IC-SS-100
Sulfate	100 µg/mL	H ₂ O	250 mL	IC-SS-250
Sulfate	100 µg/mL	H ₂ O	500 mL	IC-SS-500
Sulfate	1,000 µg/mL	H ₂ O	100 mL	IC-SS-M-100
Sulfate	1,000 µg/mL	H ₂ O	250 mL	IC-SS-M-250
Sulfate	1,000 µg/mL	H ₂ O	500 mL	IC-SS-M-500
Sulfate	10,000 µg/mL	H ₂ O	100 mL	IC-SS-10M-100
Sulfate	10,000 µg/mL	H ₂ O	250 mL	IC-SS-10M-250
Sulfate	10,000 µg/mL	H ₂ O	500 mL	IC-SS-10M-500
Sulfur	100 µg/mL	H ₂ O	100 mL	IC-SR-100
Sulfur	100 µg/mL	H ₂ O	250 mL	IC-SR-250
Sulfur	100 µg/mL	H ₂ O	500 mL	IC-SR-500
Sulfur	1,000 µg/mL	H ₂ O	100 mL	IC-SR-M-100
Sulfur	1,000 µg/mL	H ₂ O	250 mL	IC-SR-M-250
Sulfur	1,000 µg/mL	H ₂ O	500 mL	IC-SR-M-500
Thiocyanate	100 µg/mL	H ₂ O	100 mL	IC-SCN-100
Thiocyanate	1,000 µg/mL	H ₂ O	100 mL	IC-SCN-M-100
Thiocyanate	1,000 µg/mL	H ₂ O	250 mL	IC-SCN-M-250
Thiocyanate	1,000 µg/mL	H ₂ O	500 mL	IC-SCN-M-500
Thiosulfate	100 µg/mL	H ₂ O	100 mL	IC-S2O3-100
Thiosulfate	1,000 µg/mL	H ₂ O	100 mL	IC-S2O3-M-100
Thiosulfate	1,000 µg/mL	H ₂ O	250 mL	IC-S2O3-M-250
Thiosulfate	1,000 µg/mL	H ₂ O	500 mL	IC-S2O3-M-500
Valerate	1,000 µg/mL	H ₂ O	100 mL	IC-VAL-M-100
Phosphorus	100 µg/mL	H ₂ O	100 mL	IC-KP-100
Phosphorus	100 µg/mL	H ₂ O	250 mL	IC-KP-250
Phosphorus	100 µg/mL	H ₂ O	500 mL	IC-KP-500
Ammonia as Nitrogen	100 µg/mL	H ₂ O	100 mL	IC-NH3-N-100
Ammonia as Nitrogen	100 µg/mL	H ₂ O	250 mL	IC-NH3-N-250
Ammonia as Nitrogen	100 µg/mL	H ₂ O	500 mL	IC-NH3-N-500
Ammonia as Nitrogen	1,000 µg/mL	H ₂ O	100 mL	IC-NH3-N-M-100

IC Single-Component Standards - Cations

Component	Concentration	Matrix	Volume	Part #
Ammonia as Nitrogen	1,000 µg/mL	H ₂ O	250 mL	IC-NH3-N-M-250
Ammonia as Nitrogen	1,000 µg/mL	H ₂ O	500 mL	IC-NH3-N-M-500
Ammonium	100 µg/mL	H ₂ O	100 mL	IC-NH-100
Ammonium	100 µg/mL	H ₂ O	250 mL	IC-NH-250
Ammonium	100 µg/mL	H ₂ O	500 mL	IC-NH-500
Ammonium	1,000 µg/mL	H ₂ O	100 mL	IC-NH-M-100
Ammonium	1,000 µg/mL	H ₂ O	250 mL	IC-NH-M-250
Ammonium	1,000 µg/mL	H ₂ O	500 mL	IC-NH-M-500
Calcium	100 µg/mL	H ₂ O	100 mL	IC-CA-100
Calcium	100 µg/mL	H ₂ O	250 mL	IC-CA-250
Calcium	100 µg/mL	H ₂ O	500 mL	IC-CA-500
Calcium	1,000 µg/mL	H ₂ O	100 mL	IC-CA-M-100
Calcium	1,000 µg/mL	H ₂ O	250 mL	IC-CA-M-250
Calcium	1,000 µg/mL	H ₂ O	500 mL	IC-CA-M-500
Diethanolamine	100 µg/mL	H ₂ O	100 mL	IC-DEA-100
Diethanolamine	100 µg/mL	H ₂ O	250 mL	IC-DEA-250
Diethanolamine	100 µg/mL	H ₂ O	500 mL	IC-DEA-500
Diethanolamine	1,000 µg/mL	H ₂ O	100 mL	IC-DEA-M-100
Diethanolamine	1,000 µg/mL	H ₂ O	250 mL	IC-DEA-M-250
Diethanolamine	1,000 µg/mL	H ₂ O	500 mL	IC-DEA-M-500
Dimethylamine	100 µg/mL	H ₂ O	100 mL	IC-DMA-100
Dimethylamine	100 µg/mL	H ₂ O	250 mL	IC-DMA-250
Dimethylamine	100 µg/mL	H ₂ O	500 mL	IC-DMA-500
Dimethylamine	1,000 µg/mL	H ₂ O	100 mL	IC-DMA-M-100
Dimethylamine	1,000 µg/mL	H ₂ O	250 mL	IC-DMA-M-250
Dimethylamine	1,000 µg/mL	H ₂ O	500 mL	IC-DMA-M-500
Ethanolamine	100 µg/mL	H ₂ O	100 mL	IC-EA-100
Ethanolamine	1,000 µg/mL	H ₂ O	100 mL	IC-EA-M-100
Ethanolamine	1,000 µg/mL	H ₂ O	250 mL	IC-EA-M-250
Lithium	100 µg/mL	H ₂ O	100 mL	IC-LI-100
Lithium	100 µg/mL	H ₂ O	250 mL	IC-LI-250
Lithium	1,000 µg/mL	H ₂ O	100 mL	IC-LI-M-100
Lithium	1,000 µg/mL	H ₂ O	250 mL	IC-LI-M-250
Lithium	1,000 µg/mL	H ₂ O	500 mL	IC-LI-M-500
Magnesium	100 µg/mL	H ₂ O	100 mL	IC-MG-100
Magnesium	100 µg/mL	H ₂ O	250 mL	IC-MG-250
Magnesium	100 µg/mL	H ₂ O	500 mL	IC-MG-500
Magnesium	1,000 µg/mL	H ₂ O	100 mL	IC-MG-M-100
Magnesium	1,000 µg/mL	H ₂ O	250 mL	IC-MG-M-250
Magnesium	1,000 µg/mL	H ₂ O	500 mL	IC-MG-M-500
Morpholine	100 µg/mL	H ₂ O	100 mL	IC-MOR-100
Morpholine	100 µg/mL	H ₂ O	250 mL	IC-MOR-250
Morpholine	100 µg/mL	H ₂ O	500 mL	IC-MOR-500
Morpholine	1,000 µg/mL	H ₂ O	100 mL	IC-MOR-M-100
Morpholine	1,000 µg/mL	H ₂ O	250 mL	IC-MOR-M-250
Morpholine	1,000 µg/mL	H ₂ O	500 mL	IC-MOR-M-500
Nitrogen	100 µg/mL	H ₂ O	100 mL	IC-NT-100
Nitrogen	100 µg/mL	H ₂ O	250 mL	IC-NT-250
Nitrogen	100 µg/mL	H ₂ O	500 mL	IC-NT-500
Nitrogen	1,000 µg/mL	H ₂ O	100 mL	IC-NT-M-100
Nitrogen	1,000 µg/mL	H ₂ O	250 mL	IC-NT-M-250

IC Single-Component Standards - Cations (cont'd)

Component	Concentration	Matrix	Volume	Part #
Nitrogen	1,000 µg/mL	H ₂ O	500 mL	IC-NT-M-500
Potassium	100 µg/mL	H ₂ O	100 mL	IC-K-100
Potassium	100 µg/mL	H ₂ O	250 mL	IC-K-250
Potassium	100 µg/mL	H ₂ O	500 mL	IC-K-500
Potassium	1,000 µg/mL	H ₂ O	100 mL	IC-K-M-100
Potassium	1,000 µg/mL	H ₂ O	250 mL	IC-K-M-250
Potassium	1,000 µg/mL	H ₂ O	500 mL	IC-K-M-500
Sodium	100 µg/mL	H ₂ O	100 mL	IC-NA-100
Sodium	100 µg/mL	H ₂ O	250 mL	IC-NA-250
Sodium	100 µg/mL	H ₂ O	500 mL	IC-NA-500
Sodium	1,000 µg/mL	H ₂ O	100 mL	IC-NA-M-100
Sodium	1,000 µg/mL	H ₂ O	250 mL	IC-NA-M-250
Sodium	1,000 µg/mL	H ₂ O	500 mL	IC-NA-M-500

IC Multi-Component Standards - Anions

Components		Concentration	Matrix	Volume	Part #
Solution A*	Bromide, Chloride, Fluoride, Nitrate, Phosphate, Sulfate	100 µg/mL	H ₂ O	2 solution set at 100 mL each	IC-1-100
				2 solution set at 250 mL each	IC-1-250
Solution B*				Nitrite	2 solution set at 500 mL each
Solution A*	Bromide, Chloride, Fluoride, Nitrate, Phosphate, Sulfate	1,000 µg/mL	H ₂ O	2 solution set at 100 mL each	IC-2-100
				2 solution set at 250 mL each	IC-2-250
Solution B*				Nitrite	2 solution set at 500 mL each
Fluoride		20 µg/mL	H ₂ O	100 mL	IC-AN5-1-100
Chloride		30 µg/mL			
Nitrate		100 µg/mL			
Phosphate, Sulfate		150 µg/mL			
Fluoride		100 µg/mL	H ₂ O	100 mL	IC-AN6-1-100
Chloride		200 µg/mL			
Bromide, Nitrate, Sulfate		400 µg/mL			
Phosphate		600 µg/mL			

* Solution A and B can also be sold separately.

IC Multi-Component Standards - Cations

Components	Concentration	Matrix	Volume	Part #
Ammonium, Calcium, Magnesium, Potassium, Sodium	100 µg/mL	H ₂ O	100 mL	IC-4-100
			250 mL	IC-4-250
			500 mL	IC-4-500
Lithium	50 µg/mL	H ₂ O	100 mL	IC-CAT6-1-100
Sodium	200 µg/mL		250 mL	IC-CAT6-1-250
Ammonium, Magnesium	250 µg/mL		500 mL	IC-CAT6-1-500
Calcium, Potassium	500 µg/mL			
Lithium	50 µg/mL	H ₂ O	100 mL	IC-CAT6-2-100
Magnesium, Potassium, Sodium	200 µg/mL		250 mL	IC-CAT6-2-250
Ammonium	400 µg/mL		500 mL	IC-CAT6-2-500
Calcium	1,000 µg/mL			

IC Single-Component Standards - Metal Cyanide Complexes

Component	Source	Concentration	Matrix	Volume	Part #
Gold	Gold Metal	1 µg/mL	0.05% NaCN + 0.1N NaOH	100 mL	AU-CN-1-100
Gold	Gold Metal	1 µg/mL	0.05% NaCN + 0.1N NaOH	500 mL	AU-CN-1-500
Gold	Gold Metal	10 µg/mL	0.05% NaCN + 0.1N NaOH	100 mL	AU-CN-10-100
Gold	Gold Metal	10 µg/mL	0.05% NaCN + 0.1N NaOH	500 mL	AU-CN-10-500
Gold	Gold Metal	1,000 µg/mL	0.05% NaCN + 0.1N NaOH	100 mL	AU-CN-1000-100
Gold	Gold Metal	1,000 µg/mL	0.05% NaCN + 0.1N NaOH	500 mL	AU-CN-1000-500

Organic Acids

We offer stock inventory of short-chain fatty acids well suited for Ion Chromatography methods. The ISO 17034 Certificate of Analysis verifies the concentration of the anion of these compounds against second-source Certified Reference Materials. Source materials may include either the salt or acid form of these organic acids.

Organic Acids				
Component	Concentration	Matrix	Volume	Part #
Acetate	100 µg/mL	H ₂ O	100 mL	IC-AC-100
Acetate	100 µg/mL	H ₂ O	250 mL	IC-AC-250
Acetate	100 µg/mL	H ₂ O	500 mL	IC-AC-500
Acetate	1,000 µg/mL	H ₂ O	100 mL	IC-AC-M-100
Acetate	1,000 µg/mL	H ₂ O	250 mL	IC-AC-M-250
Acetate	1,000 µg/mL	H ₂ O	500 mL	IC-AC-M-500
Butyrate	100 µg/mL	H ₂ O	100 mL	IC-BTY-100
Butyrate	1,000 µg/mL	H ₂ O	100 mL	IC-BTY-M-100
Formate	100 µg/mL	H ₂ O	100 mL	IC-FM-100
Formate	100 µg/mL	H ₂ O	250 mL	IC-FM-250
Formate	1,000 µg/mL	H ₂ O	100 mL	IC-FM-M-100
Formate	1,000 µg/mL	H ₂ O	250 mL	IC-FM-M-250
Formate	1,000 µg/mL	H ₂ O	500 mL	IC-FM-M-500
Glycolate	100 µg/mL	H ₂ O	100 mL	IC-GLY-100
Glycolate	1,000 µg/mL	H ₂ O	100 mL	IC-GLY-M-100
Glycolate	1,000 µg/mL	H ₂ O	500 mL	IC-GLY-M-500
Lactate	100 µg/mL	H ₂ O	100 mL	IC-LAC-100
Lactate	1,000 µg/mL	H ₂ O	100 mL	IC-LAC-M-100
Lactate	1,000 µg/mL	H ₂ O	250 mL	IC-LAC-M-250
Oxalate	100 µg/mL	H ₂ O	100 mL	IC-OX-100
Oxalate	100 µg/mL	H ₂ O	250 mL	IC-OX-250
Oxalate	100 µg/mL	H ₂ O	500 mL	IC-OX-500
Oxalate	1,000 µg/mL	H ₂ O	100 mL	IC-OX-M-100
Oxalate	1,000 µg/mL	H ₂ O	250 mL	IC-OX-M-250
Oxalate	1,000 µg/mL	H ₂ O	500 mL	IC-OX-M-500
Propionate	100 µg/mL	H ₂ O	100 mL	IC-PRO-100
Propionate	100 µg/mL	H ₂ O	250 mL	IC-PRO-250
Propionate	100 µg/mL	H ₂ O	500 mL	IC-PRO-500
Propionate	1,000 µg/mL	H ₂ O	100 mL	IC-PRO-M-100
Propionate	1,000 µg/mL	H ₂ O	250 mL	IC-PRO-M-250
Propionate	1,000 µg/mL	H ₂ O	500 mL	IC-PRO-M-500
Valerate	1,000 µg/mL	H ₂ O	100 mL	IC-VAL-M-100



Ion Chromatography and Organic Acids Quote Form

Contact Person: _____
Company Name: _____ Customer Number: _____
Email: _____
Telephone Number: _____ Fax Number: _____
Address Line 1: _____ Address Line 2: _____
City: _____ State: _____
Zip/Postal Code: _____ Country: _____
Mix Name: _____ Intended Use: _____

Standards

Certificate of Analysis Information: _____

Manufacturer Information: _____

ISO 17034 Chromatogram Gravimetric Preparation

Two different lot numbers Different Source Material Single/Multiple Standard

Cations	Concentration (Indicate Units)	Anions	Concentration (Indicate Units)	Other	Concentration (Include CAS Number if Organic Component)	Component Specific Instructions (e.g. NH ₄ ⁺ as NH ₃)
Ammonium		Acetate				
Calcium		Bromate				
Diethanolamine		Bromide				
Dimethylamine		Butyrate				
Lithium		Chlorate				
Magnesium		Chloride				
Morpholine		Chlorite				
Potassium		Cyanide				
Sodium		Fluoride				
		Formate				
		Glycolate				
		Iodide				
		Lactate				
		Nitrate				
		Nitrite				
		Oxalate				
		Perchlorate				
		Phosphate				
		Propionate				
		Sulfate				
		Thiocyanate				
		Thiosulfate				
		Valerate				

Special Instructions

The custom standards will be prepared within the confines of a quality system that is ISO 9001:2015 registered and ISO/IEC 17025:2005 and ISO 17034:2016 accredited. Please indicate if the ISO 17034:2016 symbol is required for the Certificate of Analysis. Eighteen megaohm deionized water is assumed to be the matrix, note if otherwise. Also, if this is one of several standards that is to constitute a curve set, please indicate so. Please provide all special instructions on a separate piece of paper.

