

## PT 34: Fresh Waters, Physico chemical analysis

### Details of the program:

- Proficiency testing scheme created in 1998
- **112 registered laboratories from 22 countries**
- **PTS accredited by COFRAC**
- 6 rounds per annual series
- The time for analysis is 4 weeks



### Schedule:

CODE	MATRIX	VOLUME	NEXT SHIPMENT
0134, 0234, 0334 1634, 3834 4034, 4334	Surface water Feed water Mineral water	1000 ml => 0134, 0334, 0634, 1234, 3834, 3934, 4034, 4134	2017/10/03
1234, 3434, 3734 0834, 0434, 0534 3934 4134	Feed water Surface water Mineral water Sparkling water	2 x 1500 ml => 0234, 1734	2017/11/28
0134, 2534, 0234, 0334 1634	Surface water Feed water	500 ml => 0434, 0534, 1834, 1934, 3434, 3534	2018/01/30
1234, 3434 0834, 0434, 0534	Feed water Surface water		2018/02/20
1734, 1634 0134, 0334 4334	Feed water Surface water Mineral water	250 ml => 0834, 1634, 2534, 3734	2018/04/10
0634, 3534, 0834 1834, 1934	Surface water Feed water		2018/05/22

ANALYTES	DETAILS
0134	COD, TOC, DOC, Kjeldahl and total nitrogen, Total phosphorus, Oxydability with KMnO4
0234, 1734	Dissolved silica, Calcium, Magnesium, Sodium, Potassium, pH, conductivity, Dissolved salts, CAT, Chlorides, Sulfates, Nitrates, Fluorides, Bromides, Hardness, Turbidity, True color, Perchlorates, BOD5, Ammonium, Nitrites, Orthophosphates
0334	Suspended solid
0434	Phenol index
0534, 1934, 2834	Anionic surfactants
0634, 1234	Aluminum, Antimony, Arsenic, Barium, Beryllium, Bismuth, Boron, Cadmium, Total chromium, Chromium VI, Cobalt, Copper, Gadolinium, Tin, Total iron, Lithium, Manganese, Molybdenum, Nickel, Lead, Selenium, Strontium, Tellurium, Thallium, Titanium, Tungstene, Uranium, Vanadium, Zinc, Mineralized silica
0834	Free and total cyanides
1634	Bromates, Chlorites, Chlorates
2534	COD
3434 & 3534	Silver, Mercury, Chromium VI
3734	Metals low concentration
3834	Physico-chemistry, low concentration
3934	Dissolved silica, Calcium, Magnesium, Sodium, Potassium, pH, Conductivity, CAT, Chlorides, Sulfates, Nitrates, Fluorides, Bromides, Hardness, Turbidity, True color, Ammonium, Nitrites, Orthophosphates
4034	Aluminum, Antimony, Arsenic, Barium, Boron, Cadmium, Total chromium, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Zinc
4134	Dissolved silica, Calcium, Magnesium, Sodium, Potassium, pH, Conductivity, CAT, Chlorides, Sulfates, Nitrates, Fluorides, Hardness, CO <sub>2</sub> , Redox potential
4334	Dry residue

NA \*: Not accredited parameter

Note: Matrices and analytes may be changed or removed for technical or scientific reasons.

Please refer to current application form available in your member area ([www.bipea.org](http://www.bipea.org)).