

CHEMISTRY IN ATYPICAL AND NON-ATYPICAL MINERAL WATERS



Participate in AGLAE's External Quality Control



A WAY OF WORKING THAT PROVIDES YOU WITH THE HIGHEST STANDARD OF RESULTS WITH CONFIDENTIALITY AND IMPARTIALITY

Each step of the way, AGLAE is there supporting you.

REGISTRATIONS FOR PROFICIENCY TESTING ARE DONE KNOWING THE WHOLE PROCESS, WITH A DETAILED AND RIGOROUS SCHEDULE



- ✓ The number of evaluations per year for each parameter is specified in the catalogue, concentration levels and stabilisation are available on request.
- ✓ AGLAE uses "express" shipments for your samples and makes sure of their distribution to your laboratory.
- ✓ A sufficient delay to analyse and the report the results.
- ✓ Via your member area, **enter your results and find instructions, assigned codes, reports, summaries of your results, certificate of participation...**

THE OPTIMISATION OF RISK MANAGEMENT FOR YOUR LABORATORY

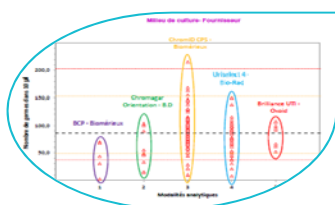


You have a better visibility of potential anomalies through:

- ✓ An appropriate test design (duplicate samples, repeated measurements),
- ✓ A large number of participants: around 200 laboratories in the field of 'base' physico-chemical analyses.

AGLAE's detailed study:

- ✓ Influence of the analytical methods, manufacturers (equipment and consumables)... factors that we study to help you improve the quality of your analyses,
- ✓ Check of your uncertainty estimates in chemistry (zeta-score),
- ✓ A report validated by experts of the field and personalised for most tests.



ATTRACTIVE DISCOUNTS, PAYMENT CONDITIONS MADE EASIER

- Choose among the various programmes and benefit from discounts up to 15%,
- A possible payment in 2 or 3 folds depending on the amount your participation.
- Payment possible by cheque (in €), bank transfer, credit card on <https://www.helloasso.com/associations/a-g-l-a-e/paiements/aglae>

Amount of your invoice (excluding transport fees)	Discount
3000 ≤ Amount < 6000 € excl. VAT	5%
6000 ≤ Amount < 9000 € excl. VAT	10%
Amount ≥ 9000 € excl. VAT	15%

**And exclusively for AGLAE's members:
 experimental tests at an attractive price during the year**

PROGRAMME 3C: METALS IN NON-ATYPICAL NATURAL MINERAL WATERS

Non-atypical natural mineral waters: dry residue at 180°C < 1500 mg/L



256 € excl. VAT – total amount for 2 tests (excluding transport costs)

29 participants in 2022 – EXPERIENCE > 5 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **65 € excl. VAT** (excluding transport costs)

23M3C.1 - Flat mineral water - sent in January 2023

Al, As, B, Ba, Be, Cd, Cr, Cu, Fe, Li, Mn, Ni, Pb, Sb, Se, Sr, U, Zn

Hg

23M3C.2 - Flat mineral water - sent in June 2023

Al, As, B, Ba, Be, Cd, Cr, Cu, Fe, Li, Mn, Ni, Pb, Sb, Se, Sr, U, Zn

Hg

PARTICULARITIES

For all the parameters, the method used should enable to measure the total content of the element.

‘Health approval’: this specific programme provides concentration levels appropriate for non-atypical mineral waters.

PROGRAMME 3E: METALS IN SPARKLING WATERS



185 € excl. VAT – total amount for 1 test (excluding transport costs)

22 participants in 2022 – EXPERIENCE > 5 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **95 € excl. VAT** (excluding transport costs)

23M3E.1 - Carbogaseous water - sent in February 2023

Al, As, B, Ba, Be, Cd, Cr, Cu, Fe, Li, Mn, Ni, Pb, Sb, Se, Sr, U, Zn

Hg

PARTICULARITIES

For all the parameters, the method used must enable to measure the total content of this element.

PROGRAMME 3F: METALS IN HIGHLY MINERALISED MINERAL WATERS



187 € excl. VAT – total amount for 1 test (excluding transport costs)

12 participants in 2022 – EXPERIENCE 3 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **95 € excl. VAT** (excluding transport costs)

23M3F.1 – Highly mineralised water - sent in May 2023

Al, As, B, Ba, Be, Cd, Cr, Cu, Fe, Li, Mn, Ni, Pb, Sb, Se, Sr, U, Zn

Hg

PARTICULARITIES

For all the parameters, the method used must enable to measure the total content of this element.

PROGRAMME 50B: DISINFECTION BY-PRODUCTS IN HIGHLY MINERALISED MINERAL WATERS

150 € excl. VAT – total amount for 1 test (excluding transport costs)

New

New in 2023



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **80 € excl. VAT** (excluding transport costs)

23M50B.1 – Highly mineralised mineral water - sent in February 2023 - Refrigerated parcel

BrO_3^- , ClO_2^- , ClO_3^-

PARTICULARITIES

Test conducted for a minimum of 10 participants.

PROGRAMME 90: CHEMICAL ANALYSES IN SPARKLING WATERS



135 € excl. VAT – total amount for 1 test (excluding transport costs)

34 participants in 2022 – EXPERIENCE > 5 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **70 € excl. VAT** (excluding transport costs)

23M90.1 - Carbogaseous water - sent in June 2023 - Refrigerated parcel

turbidity, HCO_3^- , conductivity, pH, total alkalinity

F^- , NH_4^+ , NO_2^- , NO_3^- , Br^-

Ca^{2+} , Cl^- , K^+ , Mg^{2+} , Na^+ , SO_4^{2-} , dissolved silica, degree of hardness

total organic carbon (TOC), PO_4^{3-}

PARTICULARITIES

NEW IN 2023:

For the analysis of dissolved CO_2 dissolved, you need to register for the programme 90B 'Dissolved CO_2 in sparkling waters'.

PROGRAMME 90A: CHEMICAL ANALYSES IN HIGHLY MINERALISED MINERAL WATERS



143 € excl. VAT – total amount for 1 test (excluding transport costs)

19 participants in 2022 – EXPERIENCE 3 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **75 € excl. VAT** (excluding transport costs)

23M90A.1 - Highly mineralised mineral waters - sent in October 2023 - Refrigerated parcel

conductivity, HCO_3^- , pH, total alkalinity, turbidity

Br^- , F^- , NH_4^+ , NO_2^- , NO_3^-

Ca^{2+} , Cl^- , K^+ , Mg^{2+} , Na^+ , PO_4^{3-} , SO_4^{2-} , dissolved silica, degree of hardness, total organic carbon (TOC)

PROGRAMME 90B: DISSOLVED CO₂ IN SPARKLING WATERS



100 € excl. VAT – total amount for 1 test (excluding transport costs)

7 participants in 2022 – EXPERIENCE > 5 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **50 € excl. VAT** (excluding transport costs)

23M90B.1 - Carbogaseous water - sent in June 2023 - Refrigerated parcel

Dissolved CO₂

PARTICULARITIES

For the analysis of other physico-chemical parameters in carbogaseous waters, you may register for the programme 90 'Chemical analyses in sparkling waters'.

PROGRAMME 92: BTEX AND VOC IN ATYPICAL AND NON-ATYPICAL NATURAL MINERAL WATERS

Non-atypical natural mineral waters: dry residue at 180°C < 1500 mg/L



532 € excl. VAT – total amount for 2 tests (excluding transport costs)

17 participants in 2022 – EXPERIENCE > 5 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **135 € excl. VAT**
(excluding transport costs)

23M92.1 - sent in June 2023 - Refrigerated parcel

Non-atypical mineral water

BTEX: benzene, toluene, total xylenes, xylene ortho, xylene para + xylene meta, ethylbenzene

VOC: 1,2-dichloroethane, bromoform, chloroform, dibromochloromethane, dichlorobromomethane, tetrachloroethylene, trichloroethylene, trihalomethanes (THMs)*, vinyl chloride

Carbogaseous water (sparkling water)

BTEX: benzene, toluene, total xylenes, xylene ortho, xylene para + xylene meta, ethylbenzene

VOC: 1,2-dichloroethane, bromoform, chloroform, dibromochloromethane, dichlorobromomethane, tetrachloroethylene, trichloroethylene, trihalomethanes (THMs)*, vinyl chloride

23M92.2 - sent in November 2023 - Refrigerated parcel

Non-atypical mineral water

BTEX: benzene, toluene, total xylenes, xylene ortho, xylene para + xylene meta, ethylbenzene

VOC: 1,2-dichloroethane, bromoform, chloroform, dibromochloromethane, dichlorobromomethane, tetrachloroethylene, trichloroethylene, trihalomethanes (THMs)*, vinyl chloride

Highly mineralised mineral water

BTEX: benzene, toluene, total xylenes, xylene ortho, xylene para + xylene meta, ethylbenzene

VOC: 1,2-dichloroethane, bromoform, chloroform, dibromochloromethane, dichlorobromomethane, tetrachloroethylene, trichloroethylene, trihalomethanes (THMs)*, vinyl chloride

PARTICULARITIES

The first proficiency test will concern non-atypical mineral waters and carbogaseous waters.
The second proficiency test will concern non-atypical mineral waters and highly mineralised waters.

*THM (= trihalomethanes):

Sum of contents in chloroform + bromoform + dichlorobromomethane + dibromochloromethane.

‘Health approval’: this specific programme provides concentration levels appropriate for atypical and non-atypical mineral waters.

PROGRAMME 93: DRY RESIDUE IN ATYPICAL NATURAL MINERAL WATERS



76 € excl. VAT – total amount for 2 tests (excluding transport costs)

9 participants in 2022 – EXPERIENCE 2 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **20 € excl. VAT** (excluding transport costs)

23M93.1 - carbogaseous water - sent in February 2023 - Refrigerated parcel

Dry residue at 180°C

23M93.2 - highly mineralised mineral water - sent in June 2023 - Refrigerated parcel

Dry residue at 180°C

PROGRAMME 94: PAHS AND ORGANOCHLORINE PESTICIDES IN SPARKLING WATERS

413 € excl. VAT – total amount for 1 test (excluding transport costs)

6 participants in 2022 – EXPERIENCE 2 YEARS

23M94.1 - carbogaseous water - sent in May 2023 - Refrigerated parcel

benzo[a]pyrene, benzo[b]fluoranthene, benzo[g,h,i]perylene, benzo[k]fluoranthene,
indeno[1,2,3 - cd]pyrene, fluoranthene

aldrin, dieldrin, heptachlor,
heptachlorepoxyde exo cis,
heptachlorepoxyde endo trans,
heptachlorepoxyde (total)