

AGLAE 2026

EXTRACT FROM THE PROFICIENCY TESTING SCHEME CATALOGUE

METALS IN WATERS



AGLAE Association

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List of PTS – Metals in waters

Fresh waters
3A Metals in fresh waters
3G Additional metals in fresh waters
3D Cr ⁶⁺ in waters
Atypical and non-atypical mineral waters
3C Metals in non-atypical natural mineral waters
3E Metals in sparkling waters
3F Metals in highly mineralised mineral waters
Saline waters
7 Metals in saline waters
Waste waters
3B Metals in waste waters
3D Cr ⁶⁺ in waters

Glossary of the matrices used

Name of the matrix for water chemistry		Below the matrices that can be used, alone or mixed, to comply with the representativity of the specified matrix				
		public drinking waters	bottled waters	reverse osmosis waters	deionised waters	surface waters
Natural mineral waters						
Non-atypical*			x still (dry residue at 180°C<1500 mg/L)			
Atypical	carbo-gaseous		x gaseous (CO ₂ >250 mg/L)	x regasified (CO ₂ >250 mg/L)		
	highly mineralised		x still (dry residue at 180°C>1500 mg/L)			
Fresh waters						
Non-atypical natural mineral waters*			x still (dry residue at 180°C<1500 mg/L)			
Natural waters						x
Clean waters		x	x	x	x	x (clear)

For more information on atypical waters, check the following document: [ANSES/LHN/REF-CSE - Version 5](#) (in French)

* For some parameters in non-atypical natural mineral waters, specific programmes exist (3C) with concentration levels different from those in fresh waters.

Name of the matrix for water chemistry		Below the matrices that can be used, alone or mixed, to comply with the representativity of the specified matrix		
		Waste waters from urban WWTP	Estuary water, coastal water	Synthetic waters
Waste waters		x		x
Saline and brackish waters			x	x

WWTP: Waste Water Treatment Plant

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



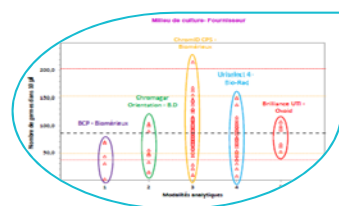
- ✓ The number of evaluations per year for each parameter is specified in the catalogue, concentration levels and stabilisation are available on request.
- ✓ AGLAE uses "express" shipments for your samples and makes sure of their distribution to your laboratory.
- ✓ A sufficient delay to analyse and 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' microbiology and '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,
- ✓ For waters intended for medical use and water microbiology, estimation of your own uncertainties in microbiology,
- ✓ 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 cost)	Discount
3000 ≤ Amount < € 6000 excl. VAT	5%
6000 ≤ Amount < € 9000 excl. VAT	10%
Amount ≥ € 9000 excl. VAT	15%

Additional services



ADDITIONAL TEST SAMPLES TO TEST ANOTHER METHOD, EVALUATE A TECHNICIAN

- ✓ Test samples available for almost all the tests at half price.
- ✓ Besides your usual distribution, you receive one (or several) additional parcel(s).
- ✓ The results of these samples are not statistically processed by AGLAE but for most tests you get a sheet **in your results file** where to **calculate your z-score**. Note that this sheet can also be used in case of unit error, incorrect results' report, etc.

⇒ Check the **list of samples and their price on your Member Area** (Downloads / Catalogues) and contact us to receive a quote. These additional samples need to be ordered after you registration for the test and up to 2 weeks before the shipment.



QUALITY CONTROL MATERIALS FOR YOUR MONITORING AND IMPROVEMENT OF YOUR ANALYTICAL PERFORMANCE

- ✓ Materials coming from the **solid matrices tests: sediments, sludge, polluted sites and soils**.
- ✓ Purchased at any time during the year and delivered with a certificate presenting the precision values obtained during the test (assigned value and uncertainties).

⇒ Check the **list of materials, prices and available quantities on your Member Area** (Downloads / Catalogues) and contact us to receive a quote.



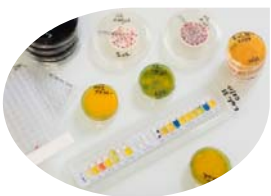
TRAINING SESSIONS IN MICROBIOLOGY: ONE TOPIC PROVIDED IN ENGLISH

Two-day on-line session to become operational for:

Characterising a microbiological method according to ISO 13843* in order to validate it: **6 - 7 May 2026**

* *Water quality - Requirements for establishing performance characteristics of quantitative microbiological methods*

⇒ Find the programme and registration form on our web site, section [Training](#). For any intralaboratory session, please contact us.



CUSTOMIZED SERVICE: 'PERFORMANCE CHARACTERISTICS OF MICROBIOLOGICAL METHODS'

Do you need to characterise specific methods?

AGLAE can provide you support to establish methods performance characteristics, in conformity with ISO 13843*. Benefit from AGLAE's technical and statistical experience to validate your microbiological method.

⇒ Should you have such needs, contact us to study your request together and issue a quote.



SUMMARY OF YOUR RESULTS

Gather at any time your results and performance: for a selected period, your results are grouped in an Excel file; this is a tool to support you in your Internal Quality Control, your audits...

Programmes' description

One programme includes from 1 to 4 proficiency tests (= rounds).

Prices specified in the catalogue are for the complete programme, which corresponds to several rounds most of the time.

When purchasing a complete programme, the price per test is lower.

Content

For each programme's description, you will find the technical content of the test: test samples volumes, parameters, matrices, dispatch month...

The concentration levels and stabilisation modalities of the samples are available on request.

The samples' dispatch months are given for information only.

Transport costs depend on the destination and tests selected within the programmes; contact us to get a quote.

Our aim is to prepare materials as close as possible to the samples analysed in routine: the contamination levels can therefore be very low or very high.

➔ **Our concentration levels are available on request.**

Caption



This logo shows that the programme is accredited by LABORATORIES section in compliance with ISO/IEC 17043.

PROGRAMME 3A: METALS IN FRESH WATERS



Test materials are suitable for the check of analyses in clear freshwaters, public drinking waters and non-atypical spring waters.

€ 586 excl. VAT -total amount for 3 tests (excluding transport costs)

152 participants in 2025 - EXPERIENCE > 30 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **€ 100 excl. VAT** (excluding transport costs)

3 TESTS AVAILABLE / YEAR

Month	1	2	3	4	5	6	7	8	9	10	11	12
Test	26M3A.1				26M3A.2					26M3A.3		
Matrix	Clean water				Clean water					Clean water		



Please check the registration deadline prior to shipment: [general schedule of the tests](#).

Parameters to analyse

(implemented twice during the year - in 3 tests)

26M3A.1

Al, Ba, Be, Cd, Co, Cr, Fe, Li, Mn, Mo, Ni, Pb, S, Sr, Ti, U, V, Zn

Ag

Hg

26M3A.2

Al, As, B, Be, Bi, Cd, Cu, Fe, Mo, Pb, S, Sb, Se, Sn, Te, Ti, Tl, W, Zr

Ce, Ga, Gd, La

Hg

26M3A.3

As, B, Ba, Bi, Co, Cr, Cu, Li, Mn, Ni, Sb, Se, Sn, Sr, Te, Tl, U, V, W, Zn, Zr

Ce, Ga, Gd, La

Ag

SPECIAL FEATURES

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



Other recommended proficiency tests:

↳ **Programme 3G** 'Additional metals in fresh waters'

↳ **Programme 3C** 'Metals in non-atypical natural mineral waters' (concentration levels appropriate for non-atypical mineral waters)

PROGRAMME 3G: ADDITIONAL METALS IN FRESH WATERS

Test materials are suitable for the check of analyses in clear freshwaters, public drinking waters and non-atypical spring waters.



€ 153 excl. VAT - total amount for 1 test (excluding transport costs)

13 participants in 2025 - EXPERIENCE: 2 YEARS



Need to test another method, evaluate your staff?

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

1 TEST AVAILABLE / YEAR

Month	1	2	3	4	5	6	7	8	9	10	11	12
Test Matrix								26M3G.1 Clean water				



Please check the registration deadline prior to shipment: [general schedule of the tests](#).

Parameters to analyse

Cs, In, Pd^[1], Pt, Rb^[1]

^[1] parameter not covered by accreditation (see general conditions of registration)

SPECIAL FEATURES

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



Other recommended proficiency tests:

↳ **Programme 3A** 'Metals in fresh waters'

↳ **Programme 3C** 'Metals in non-atypical natural mineral waters' (concentration levels appropriate for non-atypical mineral waters)

PROGRAMME 3D: HEXVALENT CHROMIUM IN WATERS

Clean and natural waters: the materials are suitable for the check of analyses in fresh waters, public drinking waters, spring waters and non-atypical natural mineral waters.



€ 163 excl. VAT - total amount for 4 tests (excluding transport costs)

93 participants in 2025 - EXPERIENCE > 20 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **€ 25 excl. VAT** (excluding transport costs)

4 TESTS AVAILABLE / YEAR - REFRIGERATED PARCEL

Month	1	2	3	4	5	6	7	8	9	10	11	12
Test	26M3D.1			26M3D.2				26M3D.3				26M3D.4
Matrix	Waste water			Clean water				Waste water				Natural water



Please check the registration deadline prior to shipment: [general schedule of the tests.](#)

Parameters to analyse for each test

Cr⁺⁶

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



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

€ 270 excl. VAT - total amount for 2 tests (excluding transport costs)

37 participants in 2025 - EXPERIENCE > 10 YEARS



Need to test another method, evaluate your staff?

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

2 TESTS AVAILABLE / YEAR

Month	1	2	3	4	5	6	7	8	9	10	11	12
Test		26M3C.1			26M3C.2							
Matrix		Flat mineral water			Flat mineral water							



Please check the registration deadline prior to shipment: [general schedule of the tests](#).

Parameters to analyse for each test

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

Hg

SPECIAL FEATURES

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



Carbogaseous waters: CO₂ >250 mg/L

€ 195 excl. VAT - total amount for 1 test (excluding transport costs)

17 participants in 2025 - EXPERIENCE > 5 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): € 100 excl. VAT (excluding transport costs)

1 TEST AVAILABLE / YEAR

Month	1	2	3	4	5	6	7	8	9	10	11	12
Test Matrix		26M3E.1 Carbogaseous water										



Please check the registration deadline prior to shipment: [general schedule of the tests](#).

Parameters to analyse

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

Hg

SPECIAL FEATURES

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



Other recommended proficiency tests:

- ↳ Programme 90 'Chemical analyses in sparkling waters'
- ↳ Programme 90B 'Dissolved CO₂ in sparkling waters'
- ↳ Programme 93 'Dry residue in atypical natural mineral waters'

PROGRAMME 3F: METALS IN HIGHLY MINERALISED MINERAL WATERS

Highly mineralised waters: flat mineral waters with dry residue content at 180°C > 1500 mg/L



€ 197 excl. VAT - total amount for 1 test (excluding transport costs)

12 participants in 2025 - EXPERIENCE > 5 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **€ 100 excl. VAT** (excluding transport costs)

1 TEST AVAILABLE / YEAR

Month	1	2	3	4	5	6	7	8	9	10	11	12
Test						26M3F.1						
Matrix						Highly mineralised water						



Please check the registration deadline prior to shipment: [general schedule of the tests](#).

Parameters to analyse

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

Hg

SPECIAL FEATURES

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



Other recommended proficiency tests:

- ↳ **Programme 90A** 'Chemical analyses in highly mineralised mineral waters'
- ↳ **Programme 93** 'Dry residue in atypical natural mineral waters'

PROGRAMME 7: METALS IN SALINE WATERS



€ 153 excl. VAT - total amount for 1 test (excluding transport costs)

22 participants in 2025 - EXPERIENCE > 25 YEARS



Need to test another method, evaluate your staff?

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

1 TEST AVAILABLE / YEAR

Month	1	2	3	4	5	6	7	8	9	10	11	12
Test				26M7.1								
Matrix				Saline and brackish water								



Please check the registration deadline prior to shipment: [general schedule of the tests](#).

Parameters to analyse

As, Cd, Cr, Cu, Fe, Mn, Ni, Pb, Zn

Hg

SPECIAL FEATURES

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



Other recommended proficiency tests:

- 🔗 Programme 6 'Chemical analyses in saline waters'
- 🔗 Programme 6A 'Dissolved oxygen in saline waters'

PROGRAMME 3B: METALS IN WASTE WATERS



€ 597 excl. VAT – total amount for 3 tests (excluding transport costs)

121 participants in 2025 - EXPERIENCE > 30 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): € 100 excl. VAT (excluding transport costs)

3 TESTS AVAILABLE / YEAR

Month	1	2	3	4	5	6	7	8	9	10	11	12
Test			26M3B.1						26M3B.2			26M3B.3
Matrix			Waste water						Waste water			Waste water



Please check the registration deadline prior to shipment: [general schedule of the tests](#).

Parameters to analyse

(implemented twice during the year - in 3 tests)

26M3B.1

Al, As, B, Ba, Cd, Co, Cr, Fe, Li, Mn, Ni, Sn, Te, Ti, Tl, V, W, Zr

Ag, Hg

26M3B.2

As, B, Ba, Be, Bi, Co, Cu, Mn, Mo, Ni, Pb, S, Sb, Se, Sr, Te, U, V, W, Zn

26M3B.3

Al, Be, Bi, Cd, Cr, Cu, Fe, Li, Mo, Pb, S, Sb, Se, Sn, Sr, Ti, Tl, U, Zn, Zr

Ag, Hg

SPECIAL FEATURES

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

PROGRAMME 3D: HEXVALENT CHROMIUM IN WATERS

Clean and natural waters: the materials are suitable for the check of analyses in fresh waters, public drinking waters, spring waters and non-atypical natural mineral waters.



€ 163 excl. VAT - total amount for 4 tests (excluding transport costs)

93 participants in 2025 - EXPERIENCE > 20 YEARS



Need to test another method, evaluate your staff?

Order **additional test samples** (parcel in its entirety): **€ 25 excl. VAT** (excluding transport costs)

4 TESTS AVAILABLE / YEAR - REFRIGERATED PARCEL

Month	1	2	3	4	5	6	7	8	9	10	11	12
Test	26M3D.1			26M3D.2				26M3D.3				26M3D.4
Matrix	Waste water			Clean water				Waste water				Natural water



Please check the registration deadline prior to shipment: [general schedule of the tests.](#)

Parameters to analyse for each test

Cr⁺⁶