



Proficiency tests and interlaboratory comparisons 2026

Aiming for quality data

Interlaboratory comparison are tests organised in the same way for two or more participants on the same or similar samples and of the predetermined variables. They are used to externally evaluate the performance of the participants and the comparability of the analytical results.

Interlaboratory comparison is proficiency test (PT) when the performance evaluation is done against predetermined criteria. Participation in interlaboratory comparisons provides an impartial assessment of routine analysis quality and enables laboratories to ensure the comparability of their results with those of other participants.

Proftest Syke is accredited proficiency test and interlaboratory comparison organiser. We provide a wide range of interlaboratory comparisons for different sectors, related to e.g. environmental measurements. As proficiency testing experts we offer our services as consultants and trainers, and we develop our services continuously to fulfill the needs of the evolving field of analytics.

Proftest Syke is accredited proficiency testing provider by Finnish accreditation service (scope: PT01).



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Sustainable use of water resources

Natural water

Natural water analyses I NW 02/2026 8

Measurands: Alkalinity, conductivity 25 °C, $\text{NH}_4\text{-N}$, $\text{NO}_2\text{-N}+\text{NO}_3\text{-N}$, N_{tot} , $\text{PO}_4\text{-P}$, P_{tot} , $\text{PO}_4\text{-P}_{\text{dissolved}}$, $\text{P}_{\text{tot, dissolved}}$, pH
Samples: **A**, brackish water, river or lake water
Concentration: Natural water level
Price: 884 €

Natural water analyses II NW 06/2026 19

Measurands: Chlorophyll *a*, oxygen, SiO_2 , TOC, TIC, salinity
Samples: **A**, brackish water, river or lake water
Concentration: Natural water level
Price: 885 €

Wastewater

Wastewater analyses I WW 03/2026 12

Measurands, wastewater: BOD_7 , COD_{Cr} , COD_{Mn} , Na, suspended solids, TOC
Natural water: BOD_7 , COD_{Mn}
Samples: **A**, pulp and paper industrial wastewater, municipal wastewater, natural water
Concentration: Wastewater and natural water level
Price: 909 €

Wastewater analyses II WW 13/2026 48

Measurands: Alkalinity, conductivity 25 °C, colour, $\text{NH}_4\text{-N}$, $\text{NO}_2\text{-N}+\text{NO}_3\text{-N}$, N_{tot} , $\text{PO}_4\text{-P}$, P_{tot} , pH
Samples: **A**, pulp and paper industrial wastewater, municipal wastewater
Concentration: Wastewater level
Price: 868 €

Drinking water

Drinking water analyses DW 09/2026 37

Measurands: COD_{Mn} , F^- , Cl^- , conductivity, hardness, pH, NO_2^- , NO_3^- , NH_4^+ , Fe, Mn, Ca, K, Mg, Na, SO_4^{2-}
Samples: **A**, ground water, drinking water
Concentration: Drinking water level
Price: 1014 €

Registration and other information

- Registration for our proficiency tests and intercomparisons opens 1-2 months before the sample delivery.
- Actual information is available on our website (syke.fi/proftest/en) as well as from our electronic user interface, [ProftestWEB](https://proftestweb.fi).
- Depending on the test, synthetic and/or different matrix samples are provided. The concentration level of the provided samples are according to the typical levels of sample types.
- Prices informed here are preliminary, the final price for the test is informed in the Information letter for the PT/ILC. More information from the Guide for participants (syke.fi/proftest/en).

5 Sample delivery, week number

A Synthetic sample

***** Intercomparisons or measurements marked with * are not included in the accreditation scope.

Built environment

Swimming pool water analyses SPW 01/2026 5

Measurands: Combined, free, and total chlorine, KMnO_4 , NO_3^- , pH, turbidity, urea
Samples: **A**, swimming pool water
Concentration: Swimming pool water level
Cooperation partner: Metropolilab Oy
Price: 820 €

Microbiological housing health analysis* ASTE 04/2026

Cultivation method, identification of pure cultures, direct microscopy, direct cultivation, qPCR method
Cooperation partner: University of Turku
Timing: April 2026
Price: To be announced later

Gross and net calorific values of solid fuels 36

CAL 08/2026
Measurands: Gross and net calorific value, moisture and ash content, volatile compounds, C, Cl, F, H, N, and S
Samples: Peat, coal, biofuel
Cooperation partner: Eurofins Environment Testing Finland Oy, Jyväskylä
Price: 995 €

Identification and counting of man-made mineral fibres*

MMMF 10/2026
Samples: Building material
Cooperation partner: University of Turku
Timing: September-October 2026
Price: To be announced later

VOC measurements from indoor air samples* IAVOC 11/2026

TVOC and separate compounds according to the standard ISO 16000-6
Samples: **A**, samples in Tenax tubes
Cooperation partner: Finnish Institute of Occupational Health
Timing: October-November 2026
Price: To be announced later

Hazardous substances and Circular economy

Metals in water and sludge MET 05/2026 17

Measurands: Al, As, B, Ba, Cd, Co, Cr, Cu, Fe, Hg, Mn, Mo, Ni, P, Pb, Sb, Se, Sn, Ti, V, Zn
From sludge also: Drw, N
Samples: **A**, drinking water, industrial wastewater, sludge
Concentration: Natural water, wastewater, and waste level
Price: 1 225 €

Leaching behaviour test for solid waste material 22

LT 07/2026
Two stage batch leaching test
Measurands: As, Ba, Cd, Cr, Cu, Hg, Mo, Ni, Pb, Sb, Se, V, Zn, Cl^- , F^- , SO_4^{2-} , DOC, pH, conductivity, TDS
Sample: To be announced later
Concentration: Waste level
Price: 750 €

VOC measurements in water and soil VOC 12/2026 47

Measurands: Volatile organic compounds (VOC)
Samples: **A**, surface water, drinking water, soil
Concentration: Surface water, drinking water and contaminated soil level
Price: 1200 €