

# Proficiency tests and interlaboratory comparisons 2025

**Proftest Syke** is accredited proficiency test and interlaboratory comparison organizer. 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).



Interlaboratory comparison are tests organized 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 external quality assessment of the routine analyses and the laboratories can compare their results with those from other participants.



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**Aiming to reliable  
measurement  
data**



Suomen ympäristökeskus  
Finlands miljöcentral  
Finnish Environment Institute

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## Sustainable use of water resources

### Natural water

#### Natural water analyses NW 02/2025 8

Measurands: Chlorophyll *a*, conductivity, colour,  $N_{NH_4}$ ,  $N_{NO_2+NO_3}$ ,  $N_{tot}$ ,  $P_{PO_4}$ ,  $P_{tot}$ , pH, suspended solids, turbidity  
Samples: **A**, brackish water, river or lake water  
Concentration: Natural water level  
Price: 919 €

### Wastewater

#### Wastewater analyses I WW 03/2025 12

Measurands, Wastewater:  $BOD_7$ ,  $COD_{Cr}$ ,  $COD_{Mn}$ , Ca, K, Mg, Na, suspended solids, TOC  
Natural water:  $BOD_7$  and  $COD_{Mn}$   
Samples: **A**, pulp and paper industrial wastewater, municipal wastewater, natural water  
Concentration: Wastewater and natural water level  
Price: 904 €

#### Wastewater analyses II WW 11/2025 48

Measurands: Chloride, conductivity, colour,  $N_{NH_4}$ ,  $N_{NO_2+NO_3}$ ,  $N_{tot}$ ,  $P_{PO_4}$ ,  $P_{tot}$ , pH, sulphate  
Samples: **A**, pulp and paper industrial wastewater, municipal wastewater  
Concentration: Wastewater level  
Price: 842 €

### Drinking water

#### Radon in ground water RAD 05/2025 19

Measurand:  $^{222}Rn$   
Samples: Drinking water  
Concentration: Natural level  
Cooperation partner: STUK  
Price: 650 €

#### Drinking water analyses DW 07/2025 37

Measurands: Alkalinity, chloride, fluoride, conductivity, pH,  $NO_2$ ,  $NO_3$ ,  $NH_4$ , Fe, Mn, Ca, K, Mg, Na, sulphate, TOC, turbidity  
Samples: **A**, ground water, drinking water  
Concentration: Drinking water level  
Price: 1089 €

### Intercomparison test for field measurements\*

KMV 08/2025  
Measurands: Oxygen, temperature, pH, conductivity, turbidity  
Location: Natural water body, Southern Finland  
Timing: September 2025  
Price: 400 € / field meter

## Cooperation with e.g.



## Built environment

### Swimming pool water analyses SPW 01/2025 5

Measurands: Combined, free and total chlorine,  $KMnO_4$ , nitrate, pH, turbidity, urea  
Samples: **A**, swimming pool water  
Concentration: Swimming pool water level  
Cooperation partner: Metropolilab Oy  
Price: 801 €

### Gross and net calorific values of solid fuels 36

CAL 06/2025  
Measurands: Gross and calorific value, moisture and ash content, volatile compounds, C,  $Cl^*$ ,  $F^*$ , H, N, S  
Samples: Coal, biofuel  
Cooperation partner: Eurofins Environment Testing Finland Oy, Jyväskylä  
Price: 885 €

### Asbestos in building material samples\* ABS 09/2025 39

Measurands: Analysis and identification of asbestos  
Samples: Building material  
Cooperation partner: TTL  
Price: 520 €

## Hazardous substances

### Natural water and wastewater metal analyses 18

MET 04/2025  
Measurands: Al, As, B, Ba, Cd, Co, Cr, Cu, Fe, Hg, Mn, Mo, Ni, Pb, Sb, Se, Ti, V, Zn  
Samples: **A**, river or lake water, municipal wastewater  
Concentration: Natural water and wastewater levels  
Price: 995 €

### Oil hydrocarbons in water and soil OIL 10/2025 45

Measurands: C5-C10, >C10-C40, >C10-C21, >C21-C40  
Samples: **A**, surface water, soil  
Concentration: Waste and wastewater level  
Price: 1100 €

## 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](https://syke.fi/proftest/en)) as well as from our electronic user interface, [ProftestWEB](https://ProftestWEB).
- 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](https://syke.fi/proftest/en)).

**5** Sample delivery, week number

**A** Synthetic sample

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