

PROFICIENCY TESTS AND INTERCOMPARISONS

2021

Profctest SYKE

WE PROVIDE PROFICIENCY TEST for e.g.:

- Chemical, physical and biological measurements of environmental samples (matrices e.g. water, sediment, sludge, and soil)
- Swimming pool and domestic water measurements
- Calorific value measurements of solid fuels

We organize intercomparisons for environmental sampling and field measurements.

Furthermore, we organize intercomparisons in cooperation with the experts from cooperation institutes.

INTERCOMPARISON SERVICE:

We provide expert support cooperatively for the intercomparison tests provided by governmental institutes.

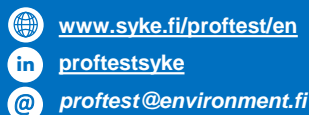
We provide expert support and training in evaluation of proficiency test result and in detection of causes for anomalous results in tests.

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

Profctest SYKE is accredited proficiency test provider (PT01) by Finnish accreditation service (FINAS) since 2006.



FIND US:



www.syke.fi/proftest/en

[proftestsyke](https://www.linkedin.com/company/proftestsyke)

proftest@environment.fi

PROFTEST SYKE
FINNISH ENVIRONMENT INSTITUTE SYKE
LABORATORY CENTER /
REFERENCE LABORATORY

ADDRESS:
MUSTIALANKATU 3
FIN-00790 HELSINKI
FINLAND

SUSTAINABLE USE OF WATER RESOURCES

Natural water	Natural water I NW 02/2021	Chlorophyll a, colour, conductivity, N _{NH4} , N _{NO2+NO3} , N _{tot} , P _{PO4} , P _{tot} , pH, turbidity	Price: 820 €
Waste water	Waste water I WW 03/2021	Waste water: BOD ₇ , COD _{Cr} , COD _{Mn} , Ca, K, Mg, Na, suspended solids, TOC Natural water: BOD ₇ , COD _{Mn}	Price: 791 €
	Waste water II WW 14/2021	Chloride, colour, conductivity, N _{NH4} , N _{NO2+NO3} , N _{tot} , P _{PO4} , P _{tot} , pH, sulphate	Price: 789 €
Drinking water	Radon in ground water RAD 06/2021	²²² Rn Cooperation: STUK	Price: 570 €
	Drinking water DW 08/2021	Alkalinity, Ca, K, Mg, Na, Fe, Mn, chloride, fluoride, sulphate, conductivity, NH ₄ , NO ₂ , NO ₃ , pH, turbidity, TOC	Price: 988 €
Field measurement intercomparison *	KMV 11/2021	Conductivity, oxygen, pH, and turbidity (Oulu), Timing: October 2021	Price: 400 € / field meter

BUILT ENVIRONMENT

Swimming pool water	SPW 01/2021	Combined, free and total chlorine, KMnO ₄ , nitrate, pH, turbidity, urea Cooperation: Eurofins Environment Testing Finland Oy, Lahti	Price: 725 €
Calorific value of fuels	CAL 07/2021	Gross and net calorific value, moisture and ash content, volatile compounds, C, H, N, and S Cooperation: FTF Fuel Testing Finland Oy	Price: 790 €
Asbestos in building material samples*	ABS 09/2021	Analysis and identification of asbestos Cooperation: FIOH	Price: 450 €
Cooperative intercomparison: Microbiological analyses used in housing and health studies*		Provider: THL Timing: January-February 2021	

HAZARDOUS SUBSTANCES

Metals	Metals in natural water MET 05/2021	Al, As, B, Ba, Cd, Co, Cr, Cu, Fe, Hg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, V, Zn and Ca, K, Mg, Na	Price: 890 €
	Metals in waste water and soil MET 10/2021	Al, As, B, Ba, Cd, Co, Cr, Cu, Fe, Hg, Mn, Mo, Ni, Pb, S, Sb, Se, Ti, V, Zn and Ca, K, Mg, Na From soil also: N and P	Price: 1005 €
Bacterial toxicity test *	BTOX 12/2021	Ecotoxicity test using <i>Aliivibrio fischeri</i> Clear and coloured liquid sample	Price: 500 €
Oil hydrocarbons	OIL 13/2021	Oil hydrocarbons in water and soil C5-C10, >C10-C40	Price: 950 €

CIRCULAR ECONOMY

Leaching behavior test for solid waste material	LT 04/2021	Up-flow percolation test Metals (As, Ba, Cd, Cr, Cu, Hg, Mo, Ni, Pb, Sb, Se, V, Zn) and Cl ⁻ , F ⁻ , SO ₄ ²⁻ , conductivity, pH, DOC Cooperation: KVVY Tutkimus Oy	Price: 650 €
--	------------	--	--------------

PROFICIENCY TEST

[Sample delivery,
week/month]

SPW 01/2021 [5]
NW 02/2021 [7]
WW 03/2021 [11]
LT 04/2021 [12]
MET 05/2021 [16]
RAD 06/2021 [19]
CAL 07/2021 [35]
DW 08/2021 [37]
ABS 09/2021 [38]
MET 10/2021 [40]
BTOX 12/2021 [October]
OIL 13/2021 [45]
WW 14/2021 [47]

	SAMPLES														CONCENTRATION							
	Synthetic sample	Swimming pool water	Brackish water	Lake or river water	Pulp and paper industrial waste water	Municipal waste water	Natural water	Drinking water	Peat, coal, wood pellet	Ground water	Building material	Industrial waste water	Soil	Coloured sample	Swimming pool water	Natural level	Waste water level	Waste level	Drinking water level	Building material	Toxicneutral	
SPW 01/2021 [5]	•	•												•								
NW 02/2021 [7]	•		•	•											•							
WW 03/2021 [11]	•				•	•	•								•	•						
LT 04/2021 [12]																		•				
MET 05/2021 [16]	•						•	•							•							
RAD 06/2021 [19]								•							•							
CAL 07/2021 [35]								•							•							
DW 08/2021 [37]	•							•	•						•							
ABS 09/2021 [38]	•									•					•							
MET 10/2021 [40]	•				•						•	•			•							
BTOX 12/2021 [October]	•												•		•							•
OIL 13/2021 [45]	•				•							•			•	•						
WW 14/2021 [47]	•				•	•						•			•							

¹ Natural level for BOD₇, COD_{Mn}

Measurements marked with * are not included in the accreditation scope.



Cooperation e.g. with:

