Suomen ympäristökeskus
Finlands miljöcentral
Finnish Environment Institute

PROF TEST SYKE

Proftest Syke
Proficiency tests and interlaboratory comparisons
2027

Sustainable use of water resources



Built environment



Hazardous substances and Circular economy



Further information and contact details

- Sample types, key dates and other useful information



Aiming for high-quality measurement data.

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Proficiency tests and interlaboratory comparisons 2027

Sustainable use of water resources



Reliable measurement data supports water protection and sustainable use of water. Proftest Syke's proficiency tests and interlaboratory comparisons help you to assess the quality and comparability of analytical results for natural water, wastewater and drinking water. Participation supports quality assurance and helps you demonstrate your expertise and identify strengths and areas for improvement. Assessing water status also requires reliable field measurements and accurate species identification. Our comparisons help you to assess your skills in carrying out water measurements and identifying diatoms, aquatic plants, and phytoplankton. Together, these activities strengthen quality assurance in water monitoring, both in the laboratory and in the field.

Area	Round	Measurands | Concentration range | Cooperation	Round ID
Natural water	**Natural water analyses**	Chlorophyll *a*, NH_4-N, NO_2-N+NO_3-N, N_{tot}, PO_4-P, P_{tot}, pH, solid, turbidity, conductivity 25 °C, colour Concentration: Natural water level	NW 02/2027
Wastewater	**Wastewater analyses I**	Wastewater: BOD_7, COD_{Cr}, COD_{Mn}, Ca, K, Mg, Na, suspended solids, and TOC Natural water: BOD_7 and COD_{Mn} Concentration: Waste and natural water level	WW 03/2027
	Wastewater analyses II	Cl^-, NH_4-N, NO_2-N+NO_3-N, N_{tot}, PO_4-P, P_{tot}, pH, SO_4^{2-}, conductivity 25 °C, colour Concentration: Wastewater level	WW 15/2027
Drinking water	**Radon in groundwater**	^{222}Rn Concentration: Natural level Cooperation: Radiation and Nuclear Safety Authority	RAD 07/2027
	Drinking water analyses	Alkalinity, F^-, Cl^-, pH, NO_2^-, NO_3^-, NH_4^+, Fe, Mn, Ca, K, Mg, Na, SO_4^{2-}, turbidity, conductivity, TOC Concentration: Drinking water level	DW 10/2027
Intercomparison test for field measurements *		Oxygen, temperature, pH, conductivity 25 °C, and turbidity Location: Natural water body	KMV 12/2027
Biological intercomparisons	**Benthic diatoms***	Identification of benthic diatom taxa	DIATOM 04/2027
	Aquatic plant species identification* • New •	Identification of aquatic plant species	APID 13/2027
	Identification of phytoplankton	Species identification and counting from video images, biovolume determination from samples	PHYTO 14/2027

* = Accreditation does not cover interlaboratory comparisons or determinations marked with an asterix (*).

• New • = Development round

The information in this leaflet is subject to change. When registration opens for each round, we publish an information letter with confirmed details of the measurands, samples and schedules.

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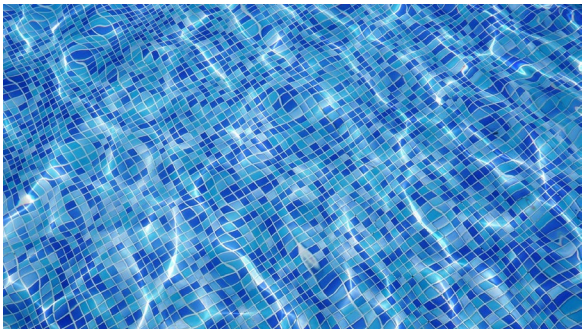
Built environment



The quality and safety of the built environment need reliable specifications to support them. Proftest Syke's proficiency tests offer the opportunity to assess competence in swimming pool water analysis, solid fuel research, asbestos determinations in building materials, and man-made mineral fibre detection. By participating, you strengthen quality assurance and demonstrate the comparability of your results in the key specifications of your field.

Round	Measurands | Concentration range | Cooperation	Round ID
Swimming pool water analyses	Combined, free and total chlorine, urea, turbidity, NO_3^-, pH, $KMnO_4$ Concentration: Pool water concentration Cooperation: Metropolilab Oy	SPW 01/2027
Man-made mineral fibres*	Identification and counting of man-made mineral fibres. Cooperation: University of Turku	MMMF 06/2027
Gross and net calorific values of solid fuels	Gross and net calorific value, moisture and ash content, volatile compounds, C, Cl, F, H, N, and S Cooperation: Eurofins Ahma Oy	CAL 09/2027
Asbestos in building material samples*	Analysis and identification of asbestos Concentration: Building material Partner: Finnish Institute of Occupational Health	ABS 11/2027

Hazardous substances and circular economy



A safe and sustainable circular economy requires reliable information about the properties of materials and waste as well as hazardous substances. Proftest Syke's proficiency tests support laboratory quality assurance in elemental determinations, leaching behaviour tests, as well as waste characterisation. Development rounds, such as microplastic testing, offer an opportunity to assess expertise also in new areas of analytics.

Round	Measurands | Concentration range | Cooperation	Round ID
Elemental analyses of groundwater and wastewater	Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Ti, Tl, U, V, Zn Concentration: Natural and wastewater level	MET 05/2027
Leaching behaviour test for solid waste material	Up-flow percolation test: As, Ba, Cd, Cr, Cu, Hg, Mo, Ni, Pb, Sb, Se, V, Zn, Cl^-, F^-, SO_4^{2-}, pH, conductivity, DOC, TDS Concentration: Waste level Partner: KVVY Tutkimus Oy	LT 08/2027
Waste characterisation* • New •	Dry matter, loss on ignition, residue on ignition, TC, TOC, TIC, TOC400, ROC, TIC900	SWC 16/2027
Microplastics* • New •	Determination of selected microplastics	MP 17/2027

* = Accreditation does not cover interlaboratory comparisons or determinations marked with an asterix (*). • New • = Development round

Further information and contact details

Round ID	Sample types [1]	Registration opens [1]	Sample dispatch [1]	Price [1]
NW 02/2027	• synthetic sample • brackish water • river or lake water	12/2026	16 Feb 2027	980 €
WW 03/2027	• synthetic sample • pulp and paper industrial wastewater • municipal wastewater • natural water (BOD_7, COD_{Mn})	01/2027	16 Mar 2027	915 €
WW 15/2027	• synthetic sample • pulp and paper industrial wastewater • municipal wastewater	09/2027	23 Nov 2027	888 €
RAD 07/2027	• groundwater	03/2027	11 May 2027	665 €
DW 10/2027	• synthetic sample • raw water • drinking water	06/2027	7 Seb 2027	1179 €
KMV 12/2027	• natural water	06/2027	Seb-Oct / 2027	To be announced
DIATOM 04/2027	• taxa identification from photos and videos	01/2027	Mar / 2027	To be announced
APID 13/2027	• identification of aquatic plant species from photos	08-09/2027	Oct / 2027	To be announced
PHYTO 14/2027	• species identification and counting	08-09/2027	Oct-Nov / 2027	To be announced
SPW 01/2027	• synthetic sample • swimming pool water	12/2026	26 Jan 2027	880 €
MMMF 06/2027	• gel tape sample • prepared slide	02/2027	Apr / 2027	To be announced
CAL 09/2027	• coal • biofuel	06/2027	31 Aug 2027	880 €
ABS 11/2027	• building material	06/2027	21 Sep 2027	575 €
MET 05/2027	• synthetic sample • groundwater • municipal wastewater	02/2027	13 Apr 2027	1090 €
LT 08/2027	• waste material	03/2027	25 May 2027	800 €
SWC 16/2027	• waste material	Summer/Autumn 2027	Autumn 2027	To be announced
MP 17/2027	• synthetic sample • drinking water	Autumn 2027	Autumn 2027	To be announced

[1] We reserve the right to make changes.

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Cooperation with e.g.

UNIVERSITY OF TURKU

Finnish Institute of Occupational Health

eurofins

MetropoliLab

kvvy

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Proftest Syke is a proficiency testing provider PT01 (SFS-EN ISO/IEC 17043:2023) accredited by FINAS (Finnish Accreditation Service, finas.fi/sites/en).

FINAS Finnish Accreditation Service PT01 (EN ISO/IEC 17043)

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