



Miljø

Eurofins Proficiency Tests 2024



Proficiency tests for wastewater analyses 2024

The proficiency tests are performed under DANAK accreditation no. 534 in accordance with DS/EN ISO/IEC 17043.

Proficiency test	SPII-1	SPII-2
Date for proficiency test	14 March 2024	2 May 2024
Sample type	Wastewater, effluent	Synthetic wastewater, effluent
Concentration range	COD _{Cr} 5 - 75 mg/L O ₂ BOD (w. ATU) 2 - 6 mg/L O ₂ NVOC/TOC 2 - 30 mg/L C Total phosphorus 0,2 - 2 mg/L P Chloride 50 - 700 mg/L Sulphate 20 - 200 mg/L Suspended solids 20 - 100 mg/L	Total nitrogen 2 - 10 mg/L N Ammonium 0,1 - 2 mg/L N Nitrite+nitrate/Nitrate 1 - 5 mg/L N Conductivity 50 - 300 mS/m pH 6 - 9
Objective	<ul style="list-style-type: none"> Assessment of interference that may appear by analysis of natural samples. Quality of analysis for the above parameters at low concentration level. 	<ul style="list-style-type: none"> Recovery of a theoretical value in an unknown sample. Quality of analysis for the above parameters at low concentration level in samples with no interfering substances.
Number of samples	2 samples, 2.5 L each, for organic matter 2 samples, 250 mL each, for phosphorus, chloride and sulphate 2 samples, 1000 mL each, for total suspended solids	2 samples, 250 mL each, for ammonium, total N, nitrite+nitrate/nitrate, conductivity 2 samples, 50 mL each, for pH

Proficiency test	SPII-3	SPII-4
Date for proficiency test	12 September 2024	14 November 2024
Sample type	Untreated sewage	Wastewater, effluent
Concentration range	COD _{Cr} 100 - 800 mg/L O ₂ BOD (w. ATU) 50 - 500 mg/L O ₂ NVOC/TOC 50 - 800 mg/L C Total phosphorus 5 - 10 mg/L P Chloride 50 - 700 mg/L Sulphate 20 - 200 mg/L Suspended solids 100 - 500 mg/L	Total nitrogen 2 - 10 mg/L N Ammonium 0,1 - 2 mg/L N Nitrite+nitrate/Nitrate 1 - 5 mg/L N Conductivity 50 - 300 mS/m pH 6 - 9
Objective	<ul style="list-style-type: none"> Assessment of interference that may appear by analysis of highly contaminated natural samples. Quality of analysis for the above parameters at high concentration level. 	<ul style="list-style-type: none"> Assessment of interference that may appear by analysis of natural samples. Quality of analysis for the above parameters at low concentration level.
Number of samples	2 samples, min. 0.5 L each, for organic matter 2 samples, 250 mL each, for phosphorus, chloride and sulphate 2 samples, 250 mL each, for total suspended solids	2 samples, 250 mL each, for ammonium, total N, nitrite+nitrate/nitrate, conductivity 2 samples, 50 mL each, for pH

This is how it works

Samples

Samples for the proficiency test are distributed together with an instruction on handling of the samples and reporting the results. The participant analyses the samples in exactly the same way as any normal waste water sample.

Results

Results and applied methods are submitted online in Eurofins Proficiency Testing Portal. Further information will be forwarded shortly before the proficiency test date. Each laboratory receives a unique code number, and all data analysis are treated confidential and anonymous.

In the report it will therefore only be possible to identify results from an individual laboratory if the code number is known. Only the laboratory itself can reveal the code number.

Report

Eurofins performs the data analysis and an evaluation of all results.

A report is sent to each participant showing clearly the quality of analysis for the laboratory compared to other laboratories and to the value assigned to the sample and parameter by us.

Interested to know more?

If you wish to know the procedures and data analyses performed in more detail, please visit our website: www.eurofins.dk/proficiencytest

Registration

You can register online at our website: www.eurofins.dk/proficiencytest

Here you can access the Eurofins Proficiency Testing Portal through a link. Participants needs to register as a user, before entering the portal and signing up for the proficiency testing rounds.

To become a registered user, you click on "Register for Proficiency Testing Portal" on the website, or you can contact Eurofins Miljø by sending an e-mail to proficiencytest@eurofins.dk.

Please note, that we need your registration at the latest 4 weeks before the first proficiency test that you plan to participate in.

Reminder

Approximately one month before a proficiency test, Eurofins sends a reminder for all registered participants. The reminder advises the laboratory of the expected arrival date for samples.

Cancellation of participation

Cancellation is possible on the following conditions:

- Cancellation one month before a proficiency test: 20% of the total fee for the proficiency test will be charged;
- Cancellation later than one month before a proficiency test: The full fee for the proficiency test will be charged.

If you have questions

If you have questions regarding the proficiency test, online registration etc., please contact Synøve Enghave (proficiencytest@eurofins.dk).





Contact information

If you have any questions
Synøve Enghave
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Miljø

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About us
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