



CERTIFICATE OF ANALYSIS

Work Order	: PR1978912	Issue Date	: 28-Jan-2020
Customer	: Fri-Service Czech s.r.o.	Laboratory	: ALS Czech Republic, s.r.o.
Contact	: [REDACTED]	Contact	: Client Service
Address	: Dornych 487/47c Trnitá 617 00 Brno-jih	Address	: Na Harfe 336/9 Prague 9 - Vysocany 190 00 Czech Republic
E-mail	: [REDACTED]	E-mail	: customer.support@alsglobal.com
Telephone	: ----	Telephone	: +420 226 226 228
Project	: [REDACTED]	Page	: 1 of 2
Order number	: ----	Date Samples Received	: 01-Aug-2019
		Quote number	: PR2019FRISE-CZ0001 (CZ-120-19-0000)
Site	: [REDACTED]	Date of test	: 02-Aug-2019 - 08-Aug-2019
Sampled by	: zakaznik	QC Level	: ALS CR Standard Quality Control Schedule

General Comments

This report shall not be reproduced except in full, without prior written approval from the laboratory.

The laboratory declares that the test results relate only to the listed samples. If the section "Sampled by" of the Certificate of analysis states: "Sampled by Customer" then the results relate to the sample as received.

Responsible for accuracy

Testing Laboratory No. 1163
Accredited by CAI according to
CSN EN ISO/IEC 17025:2018

Signatories

Zdeněk Jiráček

Position

Environmental Business Unit
Manager





Analytical Results

Parameter	Method	LOR	Unit	Client sample ID		nátok		odtok		----	
				Laboratory sample ID		PR1978912-001		PR1978912-002		----	
				Client sampling date / time		[01-Aug-2019]		[01-Aug-2019]		----	
				Result	MU	Result	MU	Result	MU		
Sub-Matrix: WASTEWATER											
Aggregate Parameters											
Total Extractable Compounds	W-TEC-IR	0.20	mg/L	6460	± 20.0%	123	± 20.0%	----	----		
Nonmetallic Inorganic Parameters											
Biochemical Oxygen Demand (BOD 5)	W-BOD5-OXY	1.0	mg/L	5380	± 15.0%	851	± 15.0%	----	----		
Chemical Oxygen Demand (COD-Cr)	W-COD-SPC	5.0	mg/L	6620	± 15.0%	1870	± 15.0%	----	----		
Dissolved solids dried at 105 °C	W-TDS-GR	10	mg/L	298	± 9.9%	1030	± 9.7%	----	----		
Suspended solids dried at 105 °C	W-TSS-GR	5.0	mg/L	1420	± 10.0%	312	± 10.0%	----	----		

If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, delivery date in brackets without a time component will be displayed instead. Measurement uncertainty is expressed as expanded measurement uncertainty with coverage factor k = 2, representing 95% confidence level.

Key: LOR = Limit of reporting; MU = Measurement Uncertainty. The MU does not include sampling uncertainty.

The end of result part of the certificate of analysis

Brief Method Summaries

Analytical Methods	Method Descriptions
<i>Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00</i>	
W-BOD5-OXY	CZ_SOP_D06_02_077 (CSN EN 1899-1) Determination of biochemical oxygen demand electrochemically after n days (BODn) by dilution method with allylthiourea addition. CZ_SOP_D06_02_078 (CSN EN 1899-2) Determination of biochemical oxygen demand after n days (BODn) by method for undiluted samples. If the method for undiluted samples is used, the general comment is on Certificate of Analysis.
W-COD-SPC	CZ_SOP_D06_02_076 (CSN ISO 15705) Determination of chemical oxygen demand using dichromate (COD-Cr) by photometry.
W-TDS-GR	CZ_SOP_D06_02_071 (CSN 757346, CSN 757347, CSN EN 16192, CSN EN 15216) Determination of dissolved solids (RL) and dissolved solids annealed (RAS) using glass fibre filters by gravimetry and determination of loss of ignition of dissolved solids (RL550) by calculation from measured values (glass microfibre filter of porosity 1,5 µm - Environmental Express).
W-TEC-IR	CZ_SOP_D06_02_059 (CSN 75 7506, STN 83 0520-27:2015, STN 83 0530-36a, STN 83 0540-4) Determination of extractable substances by infrared spectrometry and determination of polar extractable substances by calculation from measured values.
W-TSS-GR	CZ_SOP_D06_02_070 (CSN EN 872, CSN 757350) Determination of dry suspended solids and annealed suspended solids by gravimetry and determination of loss of ignition of suspended solids and total solids by calculation from measured values (glass microfibre filter of porosity 1,5 µm - Environmental Express).

A ** symbol preceding any method indicates laboratory or subcontractor non-accredited test. In the case when a procedure belonging to an accredited method was used for non-accredited matrix, would apply that the reported results are non-accredited. Please refer to General Comment section on front page for information. If the report contains subcontracted analysis, those are made in a subcontracted laboratory outside the laboratories ALS Czech Republic, s.r.o.

The calculation methods of summation parameters are available on request in the client service.