

**The Appendix is an integral part of  
Certificate of Accreditation No. 411/2018 of 10/08/2018**

Accredited entity according to ČSN EN ISO/IEC 17043:2010:

**CSlab spol. s r.o.**  
Bavorská 856/14, 155 00 Praha 5

**Proficiency testing schemes:**

Ordinal number	Designation of proficiency testing scheme	Proficiency testing scheme code	Proficiency test item
	<b>SAMPLING</b>		
1	Sampling of waste water	PT1	Waste water
2	Sampling of waste water treatment plant sludge	PT2	Sludge
3	Sampling of drinking water and water for the production of drinking water	PT3	Drinking water and water for the production of drinking water
4	Sensory analysis of water - evaluation of odour and flavour	PT4	Drinking water
5	Sampling of raw and surface water	PT6	Raw and surface water
6	Sampling of sediments	PT7	Sediment
7	Waste sampling	PT8	Waste
	<b>ANALYSES</b>		
8	Determination of metals Determination of organic substances	PT11	Air
9	Determination of metals Determination of organic substances	PT21	Soil
10	Determination of metals Determination of organic substances	PT22	Sediment
11	Determination of the properties of water purification plant sludge	PT23	Sludge
12	Determination of chemical properties of waste	PT24	Waste
13	Selected indicators of the quality of drinking and surface water Special Inorganic Analysis (SIA) Special Organic Analysis (SOA) Basic Chemical Analysis (BCA)	PT31	Water at the concentration level of raw, bottled, drinking, ground and surface water

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Ordinal number	Designation of proficiency testing scheme	Proficiency testing scheme code	Proficiency test item
14	Selected indicators of the quality of waste water Special Inorganic Analysis (SIA) Special Organic Analysis (SOA) Basic Chemical Analysis (BCA)	PT32	Water at the concentration level of waste water
15	Microbiological analysis of water	PT41	Water at the concentration level of raw, bottled, drinking, ground and surface water
16	Biological analysis of water (determination of microscopic image) and determination of chlorophyll-a	PT42	Water at the concentration level of raw, bottled, drinking, ground and surface water
17	Determination of ecotoxicity to aqueous organisms	PT43	Waste, soil, sediments

List of analytes:

Ordinal number	Proficiency testing scheme code	Analytes
8	PT 11	As, Cd, Cr, Cu, Mn, Ni, Pb, V, Zn, polycyclic aromatic hydrocarbons (PAH) , volatile organic compounds (VOC)
9.10	PT 21, PT 22	As, Ba, Be, Cd, Co, Cr, Cu, Hg, Mo, Ni, Pb, Sb, Sn, V, Zn, non-polar extractives (NES), hydrocarbons C <sub>10</sub> to C <sub>40</sub> , organochlorinated pesticides (OCP), polycyclic aromatic hydrocarbons (PAH), polychlorinated biphenyls (PCB), adsorbable organically bound halogens (AOX), extractable organically bound halogens (EOX)
11	PT 23	As, Cd, Cr, Cu, Hg, Ni, Pb, Zn, Be, Co, V, adsorbable organically bound halogens (AOX), polychlorinated biphenyls (PCB), polycyclic aromatic hydrocarbons (PAH), loss on ignition of organic compounds, total nitrogen, calcium, magnesium, potassium, phosphorus, pH

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Ordinal number	Proficiency testing scheme code	Analytes
12	PT 24	<p>Determination in aqueous extract: dissolved organic carbon, phenol index, chlorides, fluorides, sulphates, dissolved solids, pH, As, Ba, Cd, Cr<sub>total</sub>, Cu, Hg, Ni, Pb, Sb, Se, Zn, Mo</p> <p>Determination of metals in waste: As, Cd, Cr<sub>total</sub>, Hg, Ni, Pb, V, Cu, Zn, Co, Ba, Be</p> <p>Determination of organic compounds in waste: polycyclic aromatic hydrocarbons (PAH), extractable organically bound halogens (EOX), hydrocarbons C<sub>10</sub> – C<sub>40</sub>, polychlorinated biphenyls (PCB), total organic carbon (TOC)</p>
13, 14	PT 31, PT 32	<p>SAA: Ag, Al, As, Ba, Be, Pb, Cd, Co, Cr, Cu, Fe, Mn, Ni, Se, Sb, V, Zn, Hg, Na, K, Ca, K, B, Li, Mo, Sr, Sn, Tl</p> <p>SOA: nonpolar extractives (NES), hydrocarbons C<sub>10</sub> to C<sub>40</sub>, extractives by infrared spectrometry and gravimetry, fats and oils, organochlorinated pesticides (OCP), nitrogen pesticides, glyphosate AMPA, adsorbable organically bound halogens (AOX), volatile organic compounds (VOC), polycyclic aromatic hydrocarbons (PAH), polychlorinated phenyls (PCB), chlorinated phenols, bromates, chlorites, chlorates</p> <p>ZCHR: conductivity, ANC<sub>4,5</sub>, nitrates, nitrate nitrogen, chlorides, sulphates, potassium, magnesium, sodium, calcium, pH, BOD<sub>5</sub>, COD<sub>Mn</sub>, COD<sub>Cr</sub>, ammonium, nitrite, total nitrogen, organic nitrogen, ammonia nitrogen, nitrite nitrogen, total inorganic nitrogen, phosphates, total phosphorus, fluorides, iron, boron, manganese, aluminium, total cyanides, phenols, absorbance, humic substances, anionic surfactants, total organic carbon (TOC), dissolved solids - dried, dissolved solids - annealed, suspended solids - dried, suspended solids - annealed, colour, turbidity, BNC-8,3, bromates, chlorites, chlorates, non-ionic surfactants, sulphides, uranium, absorbance 200-900 nm</p>
15	PT 41	<p><i>Escherichia coli</i>, coliform bacteria, thermotolerant (faecal) coliform bacteria, intestinal enterococci, <i>Clostridium perfringens</i>, sulfite-reducing clostridia, mesophilic bacteria, psychrophilic bacteria, colony count at 36°C, colony count at 22°C, <i>Pseudomonas aeruginosa</i>, <i>Staphylococcus aureus</i>, <i>Legionella spp.</i>, <i>Salmonella spp.</i> – detection)</p>
16	PT 42	<p>enumeration of organisms, life organisms, abioseston, qualitative analysis, chlorophyll-a, feo pigments</p>
17	PT 43	<p><i>Daphnia magna</i>, <i>Poecilia reticulata</i>, <i>Desmodesmus subspicatus</i> (<i>Scenedesmus supspicatus</i>), <i>Sinapis alba</i>, <i>Vibrio fischeri</i>, determination of the inhibition of root growth of <i>Lactuca sativa</i></p>