

**The Appendix is an integral part of
Certificate of Accreditation No. 441/2023 of 17/08/2023**

Accredited entity according to ČSN EN ISO/IEC 17025:2005:

Chemila, spol. s r.o.
CAB number 1273, Chemical and Microbiological Laboratory
Za Dráhou 4386/3, 695 01 Hodonín

Detailed information on activities within the scope of accreditation (determined analytes/ subject of testing) is given in the section „Specification of the scope of accreditation“.

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
1*	Determination of temperature	SOP-CH-01-00 (ČSN 75 7342)	Water, bathing water, purified water, process water	-
2	Determination of electrical conductivity	SOP-CH-02-00 (ČSN EN 27888; ČL, chap. 2.2.38)	Water, bathing water, purified water, process water	-
3	Determination of colour by photometry	SOP-CH-03-00 (ČSN EN ISO 7887)	Water, bathing water, purified water, process water	-
4	Determination of turbidity by photometry	SOP-CH-04-00 (ČSN EN ISO 7027-1)	Water, bathing water, purified water, process water	-
5*	Determination of pH by potentiometry	SOP-CH-05-00 (ČSN ISO 10523)	Water, bathing water, purified water, process water	-
6	Determination of chemical oxygen demand using permanganate (COD _{Mn}) by titration	SOP-CH-06-00 (ČSN EN ISO 8467)	Water, bathing water, purified water, process water	-
7	Determination of nitrite by photometry	SOP-CH-07-00 (ČSN EN 26777)	Water, bathing water, purified water, process water	-
8	Determination of nitrite by photometry and calculation of NO ₃ ⁻ -difference	SOP-CH-08-00 (ČSN ISO 7890-3)	Water, bathing water, purified water, process water	-
9	Determination of ammonium by photometry	SOP-CH-09-00 (ČSN ISO 7150-1)	Water, bathing water, purified water, process water	-
10	Determination of iron by photometry	SOP-CH-12-02 (ČSN ISO 6332)	Water, bathing water, purified water, process water	-
11	Determination of manganese by photometry	SOP-CH-13-02 (ČSN ISO 6333)	Water, bathing water, purified water, process water	-
12*	Determination of free and total chlorine by colorimetry by Hach set	SOP-CH-15-02 (Hach manual)	Water, bathing water, purified water, process water	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
	and bound chlorine by calculation			
13	Determination of total organic carbon (TOC) by infrared spectrometry method and calculation of TOC - difference	SOP-CH-29-12 (ČSN EN 1484)	Water, bathing water, purified water, process water	-
14	Determination of temperature	SOP-CH-17-16 (ČSN EN 13485)	Cosmetics, medical devices, biocides and chemical substances	-
15	Determination of pH by potentiometry	SOP-CH-05A-14 (ČSN 65 0313; ČSN 68 1504; ČSN ISO 2917)	Cosmetics, food, medical devices, biocides and chemical substances	-
16	Enumeration of <i>Escherichia coli</i> and coliform bacteria by culture method	SOP-M-02-06 (ČSN EN ISO 9308-1)	Water, bathing water, purified water, process water	-
17	Enumeration of culturable microorganisms by culture method a) at 22 °C b) at 36 °C	SOP-M-24-01 (ČSN EN ISO 6222)	Water, bathing water, purified water, process water	-
18	Enumeration of <i>Staphylococcus aureus</i> by culture method	SOP-M-11-00 (ČSN EN ISO 6888-1)	Water, bathing water, purified water, process water	-
19	Enumeration of intestinal enterococci by culture method	SOP-M-21-01 (ČSN EN ISO 7899-2)	Water, bathing water, purified water, process water	-
20	Enumeration of <i>Pseudomonas aeruginosa</i> by culture method	SOP-M-23-01 (ČSN EN ISO 16266)	Water, bathing water, purified water, process water	-
21	Enumeration of <i>Legionella</i> by culture method	SOP-M-39-03 (ČSN EN ISO 11731)	Water, bathing water, purified water, process water	-
22	Enumeration of coliforms by culture method	SOP-M-08-00 (ČSN ISO 4832)	Food, PBU, environment	-
23	Enumeration of coagulase-positive staphylococci by culture method	SOP-M-04-00 (ČSN EN ISO 6888-1)	Food, PBU, environment	-
24	Enumeration of yeasts and moulds by culture method	SOP-M-10-00 (ČSN ISO 21527-1; ČSN ISO 21527-2; ČSN ISO 6611)	Food, PBU, environment, cosmetics	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
25	Enumeration of total microorganisms by culture method	SOP-M-07-00 (ČSN EN ISO 4833-1; ČSN EN ISO 4833-2)	Food, PBU, environment	-
26	Detection of <i>Listeria monocytogenes</i> by culture method	SOP-M-16-00 (ČSN EN ISO 11290-1)	Food, PBU, environment	-
27	Detection of <i>Salmonella</i> by culture method	SOP-M-06-00 (ČSN EN ISO 6579)	Food, PBU, environment	-
28	Enumeration of <i>Escherichia coli</i> by culture method	SOP-M-02-11 (ČSN ISO 16649-2)	Food, PBU, environment	-
29	Enumeration of <i>Clostridium perfringens</i> by culture method	SOP-M-13-00 (ČSN EN ISO 7937)	Food and PBU	-
30	Determination of microbial contamination by culture	SOP-M-18-00 (ČSN ISO 18593; ČSN 56 0100:1970)	Environment, PBU	-
31	Microbiological testing by culture method	SOP-M-15-22 (ČSN EN ISO 18415; ČSN EN ISO 21149; ČSN EN ISO 16212; ČSN EN ISO 22717; ČSN EN ISO 22718; ČSN EN ISO 21150; ČSN EN ISO 18416)	Cosmetics	-
32	Determination of antimicrobial protection by culture method	SOP-M-15-22 (ČSN EN ISO 11930)	Cosmetics	-
33	Biological evaluation of cytotoxicity and irritation	SOP-M-14-10 (ČSN EN ISO 10993-1; ČSN EN ISO 10993-5; ČSN EN ISO 10993-10; ČSN EN ISO 10993-12; ČSN EN ISO 10993-23; Commission Regulation (EC) No 440/2008)	Cosmetics, medical devices, PBU, protective equipment, chemical substances, biocides	-
34	Test for sterility and bioburden by culture method	SOP-M-17-00 (ČSN EN ISO 11737-1; ČSN EN ISO 11737-2; ČL, chap. 2.6.1, 2.6.12, 2.6.13)	Medical devices	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
35	Testing of resistance to wet bacterial penetration through barrier materials	SOP-M-41-06 (ČSN EN 14126; ČSN EN ISO 22610)	Medical devices, protective equipment	-
36	Testing of disinfecting efficiency by suspension method	SOP-M-19-00 (ČSN EN 14885; ČSN EN 1040; ČSN EN 1275; ČSN EN 1276; ČSN EN 1650; ČSN EN 1656; ČSN EN 1657; ČSN EN 13727+A2; ČSN EN 13624; ČSN EN 13610; ČSN EN 13623; ČSN EN 13704; ČSN EN 14204; ČSN EN 14347; ČSN EN 14348; ČSN EN 14476+A2; ČSN EN 14675; ČSN EN ISO 8692; ČSN EN 17126; TNV 75 7741; E1052; E1054; E1482; MoH Regulation 409/2005 Coll.; ČL, chap. 5.1.11)	Medical devices, chemical substances, biocides	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
37	Testing of disinfecting efficiency on carriers	SOP-M-22-12 (ČSN EN 14885; ČSN EN 13697+A1; ČSN EN 14349; ČSN EN 14561; ČSN EN 14562; ČSN EN 14563; ČSN EN 1499; ČSN EN 1500; ČSN EN 12791+A1; ČSN EN 16437+A1; ČSN EN 16438; ČSN EN 16615; prEN 16615; prEN 17846; ČSN EN 16777; ČSN EN 17111; ČSN EN 17387; E1053; E2197; ČSN 49 0604; ČSN EN 113-1; ČSN EN 113-2; ČSN EN 12404; ČSN EN ISO 20743; ČSN EN ISO 20645; E2562; ČSN EN 1104; ČSN EN ISO 846; ČSN EN 15457; ČSN EN 15458; JIS Z 2801; ČSN ISO 22196; ČSN 79 3880; ISO 27447)	Medical devices, chemical substances, biocides	-

¹ asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises

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² if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes)

³ the laboratory does not apply a flexible approach to the scope of accreditation

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
8	NO ₃ ⁻ – difference – NO ₃ ⁻ value in the pool after subtracting NO ₃ ⁻ value in the pool fill water. Applies to pool water only.
13	TOC-difference – TOC value in the pool after subtracting the TOC value in the pool fill water. Applies to pool water only.
31	Enumeration and detection of <i>aerobic mesophilic bacteria, specific and non-specific microorganisms, yeasts and fungi, Pseudomonas aeruginosa, Staphylococcus aureus, E. coli, Candida albicans</i>

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (subject of testing)
1-13, 16-21	Water - drinking water, hot water, surface water, ground water, bottled water; Bathing water - natural bathing places, artificial bathing places; Purified waters - Aqua purificata, for dialysis, for sterilizers; Process water - condensates, irrigation water, boiler water, production water
15	Food - food for human consumption, animal feed, food supplements
22-28	Food - food for human consumption, animal feed, food supplements; PBU - packaging, tools and materials for contact with food and meals, toys and products intended for children under 3 years of age; Environment - indoor and outdoor working environment, air, surfaces, tools, materials
29-30	Food - food for human consumption, animal feed, food supplements; PBU - packaging, tools and materials for contact with food and meals, toys and products intended for children under 3 years of age;
14-15, 31-33	Cosmetics - products/preparations/products intended for children under 3 years of age, for the eye area or mucous membranes and other products
14-15, 36-37	Chemical substances - chemicals, chemical disinfectants and preparations, antiseptics, biocides, biocidally treated wet wipes, plastics, wood, metal, textiles, leather, ceramics, building materials, paints

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Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Subject of sampling
1	Drinking water sampling	SOP-CHM-04-01 (ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN ISO 5667-5; ČSN EN ISO 5667-14; ČSN EN ISO 19458; MoH Regulation No. 252/2004 Coll.)	Water
2	Bathing water sampling	SOP-CHM-05-01 (ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN ISO 5667-4; ČSN EN ISO 5667-6; ČSN EN ISO 5667-14; ČSN EN ISO 19 458; MoH Regulation No. 238/2011 Coll.)	Bathing water
3	Sampling of fingerprints, swabs and deposits for microbial contamination (manual sampling)	SOP-CHM-08-15 (ČSN ISO 18593; ČSN 56 0100:1970)	Environment, PBU

¹ if the document identifying the sampling procedure is dated, only these specific procedures are used. If the document identifying the sampling procedure is not dated, the latest edition of the specified procedure is used (including any changes)

Abbreviations:

PBU	Consumer goods
ČL	Czech Pharmacopoeia
JIS	Japan Industrial Standard
E (ASTM)	American Society for Testing and Materials
TNV	Branch Technical Standards of Water Management
MoH	Ministry of Health
prEN	Draft European Standard