

**The Appendix is an integral part of
Certificate of Accreditation No. 553/2023 of 18/10/2023**

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

Česká republika - Ministerstvo obrany, Agentura vojenského zdravotnictví
CAB number 1760, Military Health Institute- Department of Hygiene Laboratories
U Vojenské nemocnice 1200, Střešovice, 169 00 Praha 6

Testing laboratory locations:

1. **Department of hygiene laboratories - location Prague**
U Vojenské nemocnice 1200, Střešovice, 169 00 Praha 6
2. **Department of hygiene laboratories - location České Budějovice**
Komenského 1915, 370 01 České Budějovice

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

1. **Department of hygiene laboratories - location Prague**

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
1	Enumeration of <i>Clostridium perfringens</i> by membrane filtration method	SOP-MLV-08 (ČSN EN ISO 14189; ČSN EN ISO 11133; ČSN ISO 8199)	Drinking water	-
2*	Examination of biological indicators by cultivation coupled with MALDI TOF method	SOP-MLS-01 (AHM 1/2014)	Biological indicators	-
3	Examination of sterile products by cultivation coupled with MALDI TOF method	SOP-MLS-02 (Czech Pharmacopoeia, cl. 2.6)	Pharmaceutical products	-
4	Monitoring of environmental cleanness by cultivation coupled with MALDI TOF method	SOP-MLS-03 (AHM, Annex No. 7/1992)	Bacteriological swabs from environment	-
5	Detection and enumeration of <i>Legionella</i> by membrane filtration method	SOP-MLV-01 (ČSN EN ISO 11731; ČSN EN ISO 11133; ČSN ISO 8199)	Drinking and hot water	-
6	Detection and enumeration of <i>Pseudomonas aeruginosa</i> by membrane filtration method with MALDI-TOF identification	SOP-MLV-02 (ČSN EN ISO 16266; ČSN EN ISO 11133; ČSN ISO 8199)	Drinking and bottled water, hot 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
7	Detection and enumeration of coagulase positive staphylococci by membrane filtration method	SOP-MLV-03 (ČSN EN ISO 6888-1; ČSN EN ISO 11133; ČSN ISO 8199)	Hot water	-
8	Detection and enumeration of coliform bacteria and <i>Escherichia coli</i> by membrane filtration method	SOP-MLV-04 (ČSN EN ISO 9308-1; ČSN EN ISO 11133; ČSN ISO 8199)	Drinking and bottled water, hot water	-
9	Detection and enumeration of intestinal enterococci by membrane filtration method	SOP-MLV-05 (ČSN EN ISO 7899-2; ČSN EN ISO 11133; ČSN ISO 8199)	Drinking water	-
10	Enumeration of culturable micro-organism – colony count by inoculation into nutrient agar medium at 22 °C and 36 °C	SOP-MLV-06 (ČSN EN ISO 6222; ČSN ISO 8199)	Drinking and bottled water, hot water	-
11	Detection and enumeration of <i>Clostridium perfringens</i> by membrane filtration method	SOP-MLV-07 (Regulation No. 252/2004 Coll., Annex No. 6; ČSN EN ISO 11133; ČSN ISO 8199)	Drinking water	-
12	Determination of temperature	SOP-CHV-01 (ČSN 75 7342)	Drinking and hot water	-
13	Determination of pH by potentiometry	SOP-CHV-02 (ČSN ISO 10523)	Drinking and bottled water, hot water	-
14	Determination of electrical conductivity	SOP-CHV-03 (ČSN EN 27888)	Drinking and bottled water	-
15	Colorimetric determination of free chlorine by Hach analytical set	SOP-CHV-04 (ČSN EN ISO 7393-2; Hach manual)	Drinking water	-
16	Sensory determination of odour and flavour	SOP-CHV-05 (ČSN EN 1622)	Drinking and bottled water, hot water	-
17	Visual determination of colour	SOP-CHV-06 (ČSN EN ISO 7887, Method A)	Drinking and bottled water, hot 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
18	Determination of turbidity by nephelometry	SOP-CHV-07 (ČSN EN ISO 7027-1)	Drinking and bottled water, hot water	-
19	Determination of chemical oxygen demand using permanganate COD _{Mn}	SOP-CHV-08 (ČSN EN ISO 8467)	Drinking and bottled water, hot water	-
20	Determination of chlorides by argentometric titration	SOP-CHV-09 (ČSN ISO 9297)	Drinking and bottled water	-
21	Photometric determination of sulphates using the Spectroquant Merck set	SOP-CHV-10 (Merck manual)	Drinking and bottled water	-
22	Photometric determination of nitrite using the Spectroquant Merck set	SOP-CHV-11 (Merck manual)	Drinking and bottled water	-
23	Photometric determination of ammonium ions using the Spectroquant Merck set	SOP-CHV-12 (Merck manual)	Drinking and bottled water	-
24	Photometric determination of nitrate using the Spectroquant Merck set	SOP-CHV-13 (Merck manual)	Drinking and bottled water	-
25	Photometric determination of iron using the Spectroquant Merck set	SOP-CHV-14 (Merck manual)	Drinking and bottled water	-
26	Photometric determination of manganese using the Spectroquant Merck set	SOP-CHV-15 (Merck manual)	Drinking and bottled water	-
27	Photometric determination of aluminium using the Spectroquant Merck set	SOP-CHV-16 (Merck manual)	Drinking and bottled water	-

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

² for dated documents identifying test procedures, only these specific procedures are used, for undated documents identifying test procedures, the latest edition of that procedure (including any changes) shall be used

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 (subject of testing)
5 - 8, 10, 12, 13, 16 - 19	Hot water - defined according to Act No. 258/2000 Coll.

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Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Subject of sampling
1	Manual water sampling	SOP-VZ-01 (ČSN EN ISO 5667-3; ČSN ISO 5667-5; ČSN ISO 5667-21; ČSN EN ISO 19458; ČSN EN ISO 5667-14)	Drinking and hot water
2	Sampling of smears and imprints for the determination of microbial contamination	SOP-VZ-02 (AHM, Annex No. 7/1992)	Environment

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2. Department of hygiene laboratories - České Budějovice

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object	Degrees of freedom ³
1*	Determination of temperature	SOP-CHV-01 (ČSN 75 7342)	Drinking and hot water	-
2*	Determination of pH by potentiometry	SOP-CHV-02 (ČSN ISO 10523)	Drinking and bottled water, hot water	-
3*	Determination of electrical conductivity	SOP-CHV-03 (ČSN EN 27888)	Drinking and bottled water	-
4*	Colorimetric determination of free chlorine by Hach analytical set	SOP-CHV-04 (ČSN EN ISO 7393-2; Hach manual)	Drinking water	-
5	Determination of metals (As, Cd, Cr, Ni, Pb) by AAS method - electrothermal atomization	SOP-LSA-01 (ČSN EN ISO 15586; Varian manual)	Drinking and bottled water	-
6	Determination of metals (Cu) by AAS	SOP-LSA-02 (ČSN ISO 8288; Varian manual)	Drinking and bottled water	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object	Degrees of freedom ³
	method - flame technique			
7	Determination of metals (Ca, Mg, Na) by AAS method - flame technique and determination of the sum of Ca and Mg by calculation from measured values	SOP-LSA-03 (ČSN ISO 7980; ČSN ISO 9964-1; Varian manual)	Drinking and bottled water	-
8*	Measurement of noise in working environment	SOP-MFF-01 (ČSN EN ISO 9612)	Noise levels in working environment	-

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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 (subject of testing)
1, 2	Hot water - defined according to Act No. 258/2000 Coll.

Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Subject of sampling
1	Manual water sampling	SOP-VZ-01 (ČSN EN ISO 5667-3, ČSN EN ISO 5667-5, ČSN ISO 5667-21, ČSN EN ISO 19458, ČSN EN ISO 5667-14)	Drinking and hot water

¹ for dated documents identifying test procedures, only these specific procedures are used, for undated documents identifying test procedures, the latest edition of that procedure (including any changes) shall be used

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Explanations:

AAS – Atomic Absorption Spectrometry

MALDI-TOF - MALDI-TOF MS - Matrix-Assisted Laser Desorption/ Ionization Time-of-Flight Mass Spectrometry