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The Annex is an integral part of the Certificate of Accreditation

Scope of Accreditation

Accredited body: Regional Public Health Authority In Poprad
Zdravotnícka 3525/3, 058 97 Poprad

Organizational unit performing the activity of the accredited body:
Specialized laboratory 1 of chemical analyzes,
Specialized laboratory 2 of microbiological analyzes,
National Reference Center for Articles of Common Use and Packing Materials authorised as the National Reference Laboratory for Materials and Articles Indended to Come Into Contact with Foodstuffs,
National Reference Center for Environmental Mycology authorised as the National Reference Laboratory for Mycotoxins

Place of performance of the accredited body:
Zdravotnícka 3525/3, 058 97 Poprad

Identification number of the accredited body: 126/S-096

Laboratory with fixed scope

Item	Object		Method applied		Other specification (range, uncertainty, purpose, modification/validation, opinions/interpretations, etc.)
	Object/ Matrix/ Environment	Property / Parameter / Indicator / Analyte	Principle / Kind / Type	Identification	
1	drinking water	colour	visual colorimetry	STN EN ISO 7887-D	(1)
2		iron	spectrophotometry	ŠPP-V5 (AL – Merck Spectroquant Fe)	reagent test (1)
3	drinking water	nitrites	spectrophotometry	STN EN 26777 (ŠPP-V1)	
	surface water	nitrite-nitrogen NO_2-N	calculation		(1)
4	drinking water	nitrates	spectrophotometry	ŠPP-V2 (STN ISO 7890-3)	
	surface water	nitrate- nitrogen NO_3-N	calculation		(1)
5	drinking, surface, bathing and servis water	pH value	potentiometric method	STN EN ISO 10523 (VP-STN ISO 10523)	(1)
6		$KMnO_4$ consumption	volumetry	STN EN ISO 8467 (ŠPP-V6)	(1)
7	drinking and bathing water	ammonium ions	spectrophotometry	STN EN ISO 7150-1 (ŠPP-V8)	
	surface water	ammoniacal nitrogen NH_4-N	calculation		(1)
8	drinking, surface, and bathing water	total organic carbon (TOC)	IR spectrometry	STN EN 1484 (ŠPP-V21)	(1)
9	drinking, surface, and servis water	electrical conductivity	conductometry	STN EN 27888	(1)
10	drinking and servis water	turbidity	nephelometry	STN EN ISO 7027-1	(1)
11	drinking water	UV absorption at 254 nm, 1 cm	spectrophotometry	STN 75 7360	(1)
12	drinking and servis water	manganese	spectrophotometry	ŠPP-V4 (AL- Merck Spectroquant Mn)	reagent test (1)
13	drinking, surface, and servis water	calcium	volumetry	STN ISO 6058	
		calcium and magnesium	volumetry	STN ISO 6059	
		magnesium	calculation	STN ISO 6059	(1)

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14	drinking water	cadmium chrome lead nickel arsenic	AAS/ETA	ŠPP-ŠA2 (Analytical methods for graphite tube atomizers, Varian, 1988)	(1)
15	drinking, surface, and servis water	sulphates	isotachophoresis	STN 75 7430	(1)
16	drinking water	free chlorine	spectrophotometry	ŠPP-OV2 (STN 7393-2)	measuring at the place of sampling (1)
17	drinking water	temperature	direct measurement	STN 75 7375 (ŠPP-OV3)	measuring at the place of sampling (1)
18	foodstuff	allura red AC amaranth azorubin erythrosine ponceau 4R carmin acid sunset yellow SY (FCF) quinoline yellow tartrazine indigotine, indigo carmine patent blue V brilliant blue FCF brilliant black BN red 2G	TLC, PC	ŠPP-P12	qualitative test (1)
19		dry matter, moisture	gravimetry	ŠPP-P13	(1)
20		sodium chloride	volumetry	ŠPP-P9	(1)
21	foodstuff, cosmetic products	mercury	AAS/AMA	ŠPP-ŠA1 (Operating manual AMA 254, Altec, Praha)	(1)
22	fruits and vegetables and fruit and vegetable based foods, beverages	nitrite nitrate	isotachophoresis	ŠPP-P2 (Aplikačný list č. 12, Villa Labeco Spišská Nová Ves)	(1)
23	edible salt	potassium iodate (as potassium iodide)	volumetry	ŠPP-P7/A	(1)
24		potassium iodide		ŠPP-P7/B (STN 58 0111, čl. 16)	(1)
25	foodstuff	cadmium lead copper nickel	AAS/ETA	ŠPP-ŠA2 (Analytical methods for graphite tube atomizers, Varian 1988)	(1)
	cosmetic products	cadmium lead nickel			
26	foodstuff	aflatoxin B1	HPLC/FLD	ŠPP-M1 (STN 16050, Potravinové vědy, 13, 1995(6))	(4)

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	Object/ Matrix/ Environment	Property / Parameter / Indicator / Analyte	Principle / Kind / Type	Identification	
27	foodstuff	deoxynivalenol	HPLC/UV	ŠPP-M6 (STN EN 15891)	(4)
28	foodstuff	acesulfame K saccharin sorbic acid benzoic acid	HPLC/UV	ŠPP-ŠH1 (A. Gratzfeld: HPLC for food analysis, 2001)	(1)
29	cosmetic products	4-hydroxybenzoic acid and its salts and esters (methylparaben, ethylparaben propylparaben, butylparaben, isopropylparaben, isobutylparaben, benzylparaben)	HPLC/DAD	ŠPP-ŠH1 (A. Gratzfeld: HPLC for food analysis, 2001)	6. EC Directive 95/32/ES from 7.7.1995 7. EC Directive 96/45/ES from 2.7.1996 (1)
30	FCM	bisphenol A	HPLC/DAD/FLD	STN EN 15136	N/I (3)
31	drinking water, FCM - materials and articles from paper - plastic materials and articles - other FCM tested as plastic materials and articles	mercury	AAS/AMA	ŠPP-ŠA1 (Operating manual AMA 254, Altec, Praha)	N/I (1,3)
32	FCM	cadmium chrome lead nickel arsenic	AAS/ETA	ŠPP-ŠA2 (Analytical methods for graphite tube atomizers, Varian, 1988)	N/I (3)
33	FCM: - surface treatment materials - materials and articles from paper - plastic materials and articles	formaldehyde	spectrophotometry	STN P CEN/TS 13130-23 (ŠPP-N2)	N/I (3)
34	FCM: - surface treatment materials - materials and articles from paper	phenols	spectrophotometry	ŠPP-N4 (Križan , V. a kol.: Analýza ovzdušia, Alfa, Bratislava, 1981, s.136)	N/I (3)

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	Object/ Matrix/ Environment	Property / Parameter / Indicator / Analyte	Principle / Kind / Type	Identification	
35	FCM: - plastic materials and articles	overall migration	gravimetry	ŠPP-N3	N/I Commission Regulation (EU) No. 10/2011 of 14 January 2011 relating to plastic materials and articles intended to come into contact with food and its amendments (3)
36	noise: environmental and occupational	noise immission: - A-weighted equivalent continuous sound pressure level $L_{Aeq,T}$ - A-weighted maximum sound pressure level L_{Amax} - equivalent continuous sound pressure level A in 1/3 octave bands $L_{teq,T}$	direct measurement of sound pressure and calculation of determining variables,	STN ISO 1996-1 STN ISO 1996-2 (ŠPP-FF1)	Measurement for the purpose of protection of human health pursuant according Act No. 355/2007 Coll. on the protection, promotion and development of public health and amendments of certain acts.
		noise exposure: - daily normalized noise exposure level $L_{AEX,\ 8h}$ - C-weighted peak sound pressure level $L_{Cpeak,T}$ - equivalent continuous sound pressure level in 1/3 octave bands $L_{teq,T}$	direct measurement of sound pressure and the calculation of determining variables	STN EN ISO 9612 (ŠPP-FF2)	Measurement takes place in an audible area. (1)
37	foodstuff	Enumeration of microorganisms	cultivation method	STN EN ISO 4833-1,2 (ŠPP č.1)	method of colony counting (quantitative)
38		Coliform bacteria		ISO 4832 (ŠPP č.2)	
39		*Enterobacteriaceae*		STN EN ISO 21528-2 (ŠPP č.3)	
40		Coagulaso positive staphylococci		STN EN ISO 6888-1 (ŠPP č.4)	
41		Yeasts and moulds (micromycetes)		ISO 21527-1,2 (ŠPP č.5)	(2)
42		*Salmonella* sp.		STN EN ISO 6579 -1 (ŠPP č.6)	reproduction method (qualitative) (2)
43		*Bacillus cereus*		STN EN ISO 7932 (ŠPP č.7)	method of colony counting (quantitative)
44		*Clostridium perfringens*		STN EN ISO 7937 (ŠPP č.8)	(2)
45		*Listeria monocytogenes*		STN EN ISO 11290-1 (ŠPP č.9)	reproduction method (qualitative) (2)
46		*Listeria monocytogenes*		STN EN ISO 11290-2 (ŠPP č.9)	method of colony counting (quantitative) (2)
47		*Vibrio parahaemolyticus*		STN EN ISO 21872-1 (ŠPP č.10)	reproduction method (qualitative) (2)

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	Object/ Matrix/ Environment	Property / Parameter / Indicator / Analyte	Principle / Kind / Type	Identification	
48	foodstuff	*Pseudomonas aeruginosa*		STN 56 0100 článok 83 (ŠPP č.11)	method of colony counting (quantitative)
49		Enterococci		STN 56 0100 článok 80 (ŠPP č.12)	
50		Sulphite reducing clostridia		STN EN ISO 15213-1 (ŠPP č.13)	
51		*Leuconostoc sp.*		STN 56 0095 (ŠPP č.14)	(2)
52		Pathogenic and conditionally pathogenic microorganisms	cultivation method	STN 56 0100, STN EN ISO 16266 (ŠPP č.15)	reproduction method (qualitative) (2)
53		*Escherichia coli*		STN ISO 16649-1,2 (ŠPP č.29)	method of colony counting (quantitative) (2)
54		*Cronobacter* sp.		STN P ISO/TS 22964 STN EN ISO 22964 (ŠPP č.30)	reproduction method (qualitative) (2)
55	cosmetic products	Enumeration of microorganisms	cultivation method	STN EN ISO 21149 (ŠPP č.31)	method of colony counting (quantitative) (2)
56		*Candida albicans*		STN EN ISO 18416 (ŠPP č.31)	reproduction method (qualitative)
57		*Pseudomonas aeruginosa*		STN EN ISO 22717 (ŠPP č.31)	
58		*Staphylococcus aureus*		STN EN ISO 22718 (ŠPP č.31)	
59		Pathogenic and conditionally pathogenic microorganisms		STN 56 0100, STN EN ISO 16266 (ŠPP č.15)	(2)
60	FCM and articles of common use	Enumeration of microorganisms	cultivation method	STN EN ISO 4833-1,2 (ŠPP č.1)	method of colony counting (quantitative)
61		Coliform bacteria		ISO 4832 (ŠPP č.2)	
62		Yeasts and moulds (micromycetes)		ISO 21527-1, 2 (ŠPP č.5)	
63		Enterococci		STN 56 0100, čl. 80 (ŠPP č.12)	N/I (2)
64		*Salmonella* sp.		STN EN ISO 6579-1 (ŠPP č.6)	reproduction method (qualitative) N/I (2)
65		Enumeration of microorganisms on surfaces		STN 56 0100, čl. 70,147 (ŠPP č.24)	method of colony counting, (quantitative), method using contact plates N/I (2)
66		Enumeration of microorganisms on surfaces		STN 56 0100 , čl. 71 (ŠPP č.25)	method of colony counting (quantitative) method using swabs N/I (2)
67		Enumeration of microorganisms on surfaces		STN 56 0100, čl.148 (ŠPP č.26)	method of colony counting (quantitative), method using lavage N/I (2)

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Item	Object		Method applied		Other specification (range, uncertainty, purpose, modification/validation, opinions/interpretations, etc.)
	Object/ Matrix/ Environment	Property / Parameter / Indicator / Analyte	Principle / Kind / Type	Identification	
68	FCM and articles of common use	Enumeration of microorganisms in food contact materials	cultivation method	STN 56 0100, čl.151 (ŠPP č.27)	method of colony counting (quantitative), method using pouring N/I (2)
69		Detection of the presence of antimicrobial constituents		STN EN 1104 (ŠPP č. 33)	reproduction method (qualitative)
70		Pathogenic and conditionally pathogenic microorganisms		STN 56 0100, STN EN ISO 16266 (ŠPP č.15)	N/I (2)
71	drinking, bathing, surface water	*Escherichia coli* and Coliform bacteria	cultivation method	ŠPP č.16 STN EN ISO 9308-1	method using membrane filtration (quantitative) (2)
72		Intestinal enterococci		STN EN ISO 7899-2 (ŠPP č.17)	
73		*Salmonella* sp.		STN EN ISO 19250 (ŠPP č. 18)	reproduction method (qualitative) (2)
74		Culturable microorganisms at 22 °C		STN EN ISO 6222 (ŠPP č.19)	method of colony counting (quantitative) (2)
		Culturable microorganisms at 36 °C			
75		*Staphylococcus aureus*		ŠPP č. 4 STN EN ISO 6888-1	membrane filtration method (quantitative) (2)
76		Clostridium perfringens (including spores) Spores of anaerobic sulfite-reducing (clostridia)		STN EN ISO 14189 STN EN 26461-2 (ŠPP č.22)	membrane filtration method (quantitative) (2)
77		*Pseudomonas aeruginosa*		STN EN ISO 16266 (ŠPP č.28)	membrane filtration method (quantitative) (2)
78		Detection of pathogenic and conditionally pathogenic microorganisms		STN 56 0100, STN EN ISO 16266 (ŠPP č.15)	reproduction method (qualitative) (2)
79		Thermotolerant coliform bacteria		STN 75 7840 (ŠPP č.32)	membrane filtration method (quantitative) (2)
80		Abioseston	microscopic method (% coverage)	STN 75 7712 (ŠPP č.20)	(2)

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	Object/ Matrix/ Environment	Property / Parameter / Indicator / Analyte	Principle / Kind / Type	Identification	
81	drinking, bathing, surface water	Bioseston - living organisms (except for colorless flagellates) - filamentous bacteria (except for iron and manganese bacteria) - micromycetes detectable microscopically - dead organisms	microscopic method	STN 75 7711 (ŠPP č.21)	quantitative method
		Iron and manganese bacteria	microscopic method (% coverage)		(2)
82	bathing water	Producers Consumers Cyanobacteria	microscopic method	STN 75 7715 (ŠPP č.21)	quantitative method (2)
83	water, swabs, air	Detection and enumeration of bacteria *Legionella*	cultivation method	STN EN ISO 11731 (ŠPP č.113)	reproduction method (qualitative) method of colony counting (quantitative) (2)
84	specific objects and swabs of surfaces, air	Sterility control of objects and swabs	cultivation method	AHEM č.7/1992 Slovenský liekopis1 (ŠPP č.100)	reproduction method (qualitative) (2)
85		Determination of microbial contamination of objects and surfaces by swabs method		STN 560100 čl.71 STN ISO 18593 AHEM č.7/1992 (ŠPP č.105)	(2)
86	specific objects and swabs of surfaces, microbial isolate, air	Detection of pathogenic and conditionally pathogenic microorganisms	cultivation method	STN 56 0100, AHEM č.1/2002 (ŠPP č.15, ŠPP č.102)	reproduction method (qualitative) method of colony counting (quantitative) (2)
87	air, microbial isolate	Enumeration of yeasts and moulds	cultivation method	ISO 21527-1,2 AHEM č.1/2002 (ŠPP č.5, ŠPP č.102)	method of colony counting (quantitative) (2)
88	sands	Thermotolerant coliform bacteria	cultivation method	STN 75 7840 (ŠPP č.111)	method of colony counting (quantitative)
89		Enterococci		STN 56 0100 (ŠPP č.111)	(2)
90		*Salmonella* sp.		STN EN ISO 6579-1 (ŠPP č.111)	reproduction method (qualitative) (2)
91	steam, hot and air sterilizers	Proof of inactivation of *Bacillus atrophaeus* and *Geobacillus stearothermophilus*	cultivation method	ŠPP č.101, ŠPP-EP1 (Decree MH SR 553/2007, OU MH SR to monitor the effectiveness of the sterilization process n. OE/3083/2014 Guides from manufacturers for processing bioindicators	method of bioindicator (qualitative) performing on-site inspection activities (2)

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92	cosmetic products	Evalution of the antimicrobial protection	cultivation method	STN EN ISO 11930 (ŠPP č. 108)	qualitative method (2)
93	air	Enumeration of microorganisms	cultivation method	AHEM č.1/2002 (ŠPP č. 102)	method of colony counting (quantitative) (2)

NOTICE:

(1) Specialized laboratory 1 of chemical analyzes
(2) Specialized laboratory 2 of microbiological analyzes
(3) National Reference Center for Articles of Common Use and Packing Materials authorised as the National Reference Laboratory for Materials and Articles Indended to Come Into Contact with Foodstuffs
(4) National Reference Center for Environmental Mycology authorised as the National Reference Laboratory for Mycotoxins

AAS/AMA – atomic absorption spectrometry for mercury analysis
AAS/ETA - atomic absorption spectrophotometry with electrothermal atomization
HPLC/UV - High Performance Liquid Chromatography with UV Detector
HPLC/DAD - High Performance Liquid Chromatography with Diode Field Detector
HPLC/FLD - High Performance Liquid Chromatography Fluorescence Detector
NV - Government Regulation
PC - Paper chromatography
ŠPP - Standard workflow
TLC - Thin layer chromatography
FCM - Food contact materials
AHEM - Acta hygienica, epidemiologica et microbiologica

Drinking water – drinking water, bottled water, mineral water, natural mineral water, spring water, suitable for preparing food for infants water (in accordance whith The Edict No 608/9/2004-100, which includes an Appendix No 1 to the 28th Chapter of the third part of the Food Code)
Servis water – cooling water, supplying water, boiler water, washing water, rinsing water (according to STN EN ISO 5667-1)

Personnel competent to provide opinions and interpretations

Name and surname, title	Competence to provide opinions and interpretations - - item in the specification of activities No.
Milada Syčová, Ing., Mgr., MPH	30-35, 60-70

Specification of activities for which laboratory carries out sampling

Item	Object			Method		Other specifications
	Object	Property	Place of sampling	Kind / Principle	Identification	
1	drinking water	Indicators listed in items RA no. 1-17, 71-81.	tap of distribution system (plumbing)	point sample	ŠPP-OV1 (STN ISO 5667-5) (STN EN ISO 5667-1) (STN EN ISO 5667-3) (STN EN ISO 5667-14) (STN EN ISO 19458)	Decree MH SR No 91/2023
2	air	Indicators listed in items RA no. 83, 87, 93.	the air of controlled establishments	aeroscopically	AHEM č.1/2002 (ŠPP-EP3)	
3	specific objects and swabs of surfaces	Indicators listed in items RA no. 84-86.	controlled objects and surfaces	method using swabs	STN ISO 18593 (ŠPP-EP2)	

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