

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 Intended to Come Into Contact
with Foodstuffs,
National Reference Center for Environmental Mycology authorised as the National
Reference Laboratory for Mycotoxins

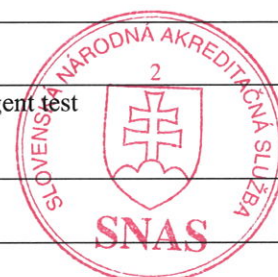
Place of performance of the accredited body:

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 (modification/validation, opinions/interpretations, workplace 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	(including hot water)	iron -	spectrophotometry	ŠPP-V5 (AL – Merck Spectroquant Fe)	reagent test (1)
3	drinking water	nitrites	spectrophotometry	STN EN 26777	(1)
	surface water	nitrite-nitrogen NO ₂ -N	calculation	(ŠPP-V1)	
4	drinking water	nitrates	spectrophotometry	ŠPP-V2	(1)
	surface water	nitrate- nitrogen NO ₃ -N	calculation	(STN ISO 7890-3)	
5	drinking (including hot	pH value	potentiometric method	STN EN ISO 10523 (VP-STN ISO 10523)	(1)
6	water), surface, bathing and servis water	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)	(1)
	surface water	ammoniacal nitrogen NH ₄ -N	calculation		
8	drinking (including hot water), 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 (including hot water) 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	calcium	volumetry	STN ISO 6058	(1)
		calcium and magnesium	volumetry	STN ISO 6059	



Annex to the Certificate of Accreditation No. S-096 dated 17.05.2024.

The Annex is an integral part of the
Certificate of Accreditation

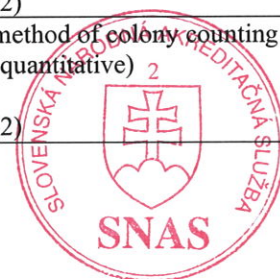
Item	Object		Method applied		Other specification (modification/validation, opinions/interpretations, workplace etc.)
	Object/ Matrix/ Environment	Property / Parameter / Indicator / Analyte	Principle / Kind / Type	Identification	
26	foodstuff	aflatoxin B1	HPLC/FLD	ŠPP-M1 (STN 16050, Potravinové vědy, 13, 1995(6))	(4)
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)



Annex to the Certificate of Accreditation No. S-096 dated 17.05.2024.

The Annex is an integral part of the Certificate of Accreditation

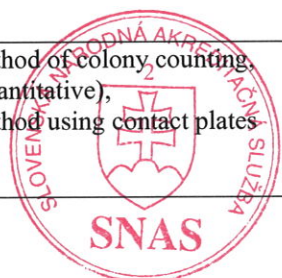
Item	Object		Method applied		Other specification (modification/validation, opinions/interpretations, workplace etc.)	
	Object/ Matrix/ Environment	Property / Parameter / Indicator / Analyte	Principle / Kind / Type	Identification		
34	FCM: - surface treatment materials - materials and articles from paper	phenols	spectrophotometry	ŠPP-N4 (Križan , V. a kol.: Analýza ovzdušia, Alfa, Bratislava, 1981, s.136)	N/I (3)	
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 $L_{teq,T}$ 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 calculation of determining variables, direct measurement of sound pressure and the calculation of determining variables	STN ISO 1996-1 STN ISO 1996-2 (ŠPP-FF1) STN EN ISO 9612 (ŠPP-FF2)	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. 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		<i>Enterobacteriaceae</i>		STN EN ISO 21528-2 (ŠPP č.3)		
40		Coagulase positive staphylococci		STN EN ISO 6888-1 (ŠPP č.4)		
41		Yeasts and moulds (micromycetes)		ISO 21527-1,2 (ŠPP č.5)		(2)
42		<i>Salmonella</i> sp.		STN EN ISO 6579 -1 (ŠPP č.6)		reproduction method (qualitative) (2)
43		<i>Bacillus cereus</i>		STN EN ISO 7932 (ŠPP č.7)		method of colony counting (quantitative) 2
44		<i>Clostridium perfringens</i>		STN EN ISO 7937 (ŠPP č.8)		(2)



Annex to the Certificate of Accreditation No. S-096 dated 17.05.2024.

The Annex is an integral part of the Certificate of Accreditation

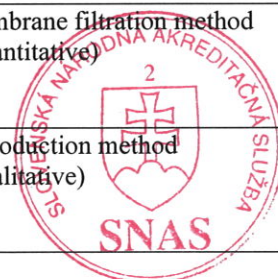
Item	Object		Method applied		Other specification (modification/validation, opinions/interpretations, workplace etc.)
	Object/ Matrix/ Environment	Property / Parameter / Indicator / Analyte	Principle / Kind / Type	Identification	
45	foodstuff	<i>Listeria monocytogenes</i>	cultivation method	STN EN ISO 11290-1 (ŠPP č.9)	reproduction method (qualitative) (2)
46		<i>Listeria monocytogenes</i>		STN EN ISO 11290-2 (ŠPP č.9)	method of colony counting (quantitative) (2)
47		<i>Vibrio parahaemolyticus</i>		STN EN ISO 21872-1 (ŠPP č.10)	reproduction method (qualitative) (2)
48		<i>Pseudomonas aeruginosa</i>		STN 56 0100 článok 83 (ŠPP č.11)	method of colony counting (quantitative) (2)
49		Enterococci		STN 56 0100 článok 80 (ŠPP č.12)	
50		Sulphite reducing clostridia		STN EN ISO 15213-1 (ŠPP č.13)	
51		<i>Leuconostoc sp.</i>		STN 56 0095 (ŠPP č.14)	
52		Pathogenic and conditionally pathogenic microorganisms		STN 56 0100, STN EN ISO 16266 (ŠPP č.15)	
53		<i>Escherichia coli</i>		STN ISO 16649-1,2 (ŠPP č.29)	method of colony counting (quantitative) (2)
54		<i>Cronobacter sp.</i>		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		<i>Candida albicans</i>	STN EN ISO 18416 (ŠPP č.31)	reproduction method (qualitative) (2)	
57		<i>Pseudomonas aeruginosa</i>	STN EN ISO 22717 (ŠPP č.31)		
58		<i>Staphylococcus aureus</i>	STN EN ISO 22718 (ŠPP č.31)		
59		Pathogenic and conditionally pathogenic microorganisms	STN 56 0100, STN EN ISO 16266 (ŠPP č.15)		
60	FCM and articles of common use	Enumeration of microorganisms	cultivation method		STN EN ISO 4833-1,2 (ŠPP č.1)
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		<i>Salmonella sp.</i>	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)	



Annex to the Certificate of Accreditation No. S-096 dated 17.05.2024.

The Annex is an integral part of the Certificate of Accreditation

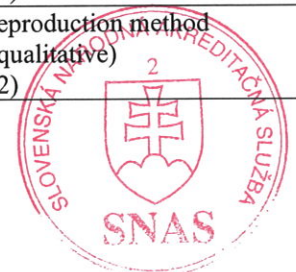
Item	Object		Method applied		Other specification (modification/validation, opinions/interpretations, workplace etc.)
	Object/ Matrix/ Environment	Property / Parameter / Indicator / Analyte	Principle / Kind / Type	Identification	
66	FCM and articles of common use	Enumeration of microorganisms on surfaces	cultivation method	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)
68		Enumeration of microorganisms in food contact materials		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 (including hot water), bathing, surface water	<i>Escherichia coli</i> and Coliform bacteria	cultivation method	ŠPP č.16 STN EN ISO 9308-1	method using membrane filtration (quantitative) (2)
72	drinking, bathing, surface water	Intestinal enterococci		STN EN ISO 7899-2 (ŠPP č.17)	
73		<i>Salmonella</i> sp.		STN EN ISO 19250 (ŠPP č. 18)	reproduction method (qualitative) (2)
74	drinking, bathing, surface water	Culturable microorganisms at 22 °C		STN EN ISO 6222 (ŠPP č.19)	method of colony counting (quantitative) (2)
	drinking (including hot water), bathing, surface water	Culturable microorganisms at 36 °C			
75	drinking, bathing, surface water	<i>Staphylococcus aureus</i>	cultivation method	ŠPP č. 4 STN EN ISO 6888-1	membrane filtration method (quantitative) (2)
76		<i>Clostridium perfringens</i> (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	drinking (including hot water), bathing, surface water	<i>Pseudomonas aeruginosa</i>		STN EN ISO 16266 (ŠPP č.28)	membrane filtration method (quantitative) (2)
78	drinking, bathing, surface water	Detection of pathogenic and conditionally pathogenic microorganisms	cultivation method	STN 56 0100, STN EN ISO 16266 (ŠPP č.15)	reproduction method (qualitative) (2)



Annex to the Certificate of Accreditation No. S-096 dated 17.05.2024.

The Annex is an integral part of the Certificate of Accreditation

Item	Object		Method applied		Other specification (modification/validation, opinions/interpretations, workplace etc.)
	Object/ Matrix/ Environment	Property / Parameter / Indicator / Analyte	Principle / Kind / Type	Identification	
79	drinking, bathing, surface water	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)
81	drinking (including hot water), 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 (2)
		Iron and manganese bacteria	microscopic method (% coverage)		
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 <i>Legionella</i>	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 liekopis I (ŠPP č.100)	reproduction method (qualitative) (2) (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)	
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) (2)
89		Enterococci		STN 56 0100 (ŠPP č.111)	
90		<i>Salmonella sp.</i>		STN EN ISO 6579-1 (ŠPP č.111)	



Annex to the Certificate of Accreditation No. S-096 dated 17.05.2024.

The Annex is an integral part of the Certificate of Accreditation

Item	Object		Method applied		Other specification (modification/validation, opinions/interpretations, workplace etc.)
	Object/ Matrix/ Environment	Property / Parameter / Indicator / Analyte	Principle / Kind / Type	Identification	
91	steam, hot and air sterilizers	Proof of inactivation of <i>Bacillus atrophaeus</i> and <i>Geobacillus stearothermophilus</i>	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)
92	cosmetic products	Evaluation 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 Intended 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 with 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



Annex to the Certificate of Accreditation No. S-096 dated 17.05.2024.

The Annex is an integral part of the
Certificate of Accreditation

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 (including hot water)	Indicators listed in items RA no. 1-17, 71-81.	tap of distribution system (plumbing) shower	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)	

