EA MLA Signatory
Český institut pro akreditaci, o.p.s.
(Czech Accreditation Institute)
Hájkova 2747/22, Žižkov, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products and on changes and amendments to some Acts, as amended

CERTIFICATE OF ACCREDITATION

No. **260/2025**

MIBILA, spol. s r.o.
with registered office U Ovčína 49, Nový Dvůr, 397 01 Písek
Company Registration No. 21222371

for the Testing Laboratory No. **1142**
Chemical and Microbiological Laboratory

Scope of accreditation:

Chemical and microbiological analysis of food, water, feedstuffs, sludge, soil, biomass, microbiological analysis of cosmetic products, smears and indoor air, microbiological check of cleanness of surfaces and objects in contact with food, sampling of drinking, waste and pool water, sludge, sedimentand solid materials to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the abovementioned Accredited Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited conformity assessment body.

The Certificate of Accreditation is valid until: **03/06/2030**

Prague: 03/06/2025

Český institut pro akreditaci, o.p.s.
CAI

Signed in the Czech original:
Jan Velíšek on 03/06/2025

Jan Velíšek
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute

This translation of the Czech original has been issued by: Eliška Frycová

The Appendix is an integral part of
Certificate of Accreditation No. 260/2025 of 03/06/2025

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

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

Tests:

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
1	**Microbiology**			
1.1	Enumeration of total microorganisms by culture method	ČSN EN ISO 4833-1; ČSN EN ISO 4833-2	Food, feedstuffs	-
1.2	Enumeration of coliforms by culture method	ČSN ISO 4832	Food, feedstuffs	-
1.3	Enumeration of yeasts and moulds by culture method	ČSN ISO 21527-1; ČSN ISO 21527-2	Food, feedstuffs	-
1.4	Detection and enumeration of potentially toxinogenic moulds by culture (*Aspergillus flavus, Aspergillus parasiticus*)	AHEM 1/2003, SZÚ Guideline	Food, feedstuffs	-
1.5	Enumeration of coagulase-positive staphylococci (*St. aureus* and other species) Technique using Baird-Parker agar medium	ČSN EN ISO 6888-1	Food, feedstuffs, raw milk	-
1.6	Detection of *Salmonella* by culture method	SOP M01 (ČSN EN ISO 6579-1)	Food, feedstuffs	-
1.7	Enumeration of *Enterobacteriaceae* by culture method	ČSN EN ISO 21528-2	Food, feedstuffs	-
1.8	Enumeration of *Clostridium perfringens* by culture method	ČSN EN ISO 15213-2	Food, feedstuffs	-
1.9	Enumeration of lactic acid bacteria by culture method	ČSN ISO 15214	Meat, meat products	-
1.10	Enumeration of beta-glucuronidase-positive *Escherichia coli* by culture method	ČSN ISO 16649-2	Food, feedstuffs	-
1.11	Detection of residues of beta-lactam antibiotics by plate diffusion method using *Bacillus stearothermophilus* varieta *calidolactis C 953*	SVS ČR National Reference Laboratory Guideline of 20.01.1999	Meat, milk, eggs	-

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
1.12	Detection of residues of antibiotics and sulfonamides by four-plate method	SVS ČR National Reference Laboratory Guideline of 01.06.2008	Meat, milk, eggs	-
1.13	Detection and enumeration of *Listeria monocytogenes* (incl. *Listeria* spp.) by detection method (culture method)	ČSN EN ISO 11290-1	Food, feedstuffs	-
1.14	Enumeration of *Bacillus cereus* by culture	ČSN EN ISO 7932	Food, feedstuffs	-
1.15	Detection of *Salmonella* by culture method	ČSN ISO 19250	Drinking and surface water	-
1.16	Enumeration of coagulase-positive staphylococci (*Staphylococcus aureus* and other species) technique using Baird-Parker agar medium	Regulation 238/2011 Coll. as amended by Regulation 97/2014; ČSN EN ISO 6888-1	Bathing water	-
1.17	Enumeration of culturable microorganisms at 22 ºC	ČSN EN ISO 6222	Drinking, bathing water	-
1.18	Enumeration of culturable microorganisms at 36 ºC	ČSN EN ISO 6222	Drinking and bathing water	-
1.19	Detection and enumeration of *Escherichia coli* and coliform bacteria membrane filtration method	ČSN EN ISO 9308-1	Drinking and bathing water	-
1.20	Detection and enumeration of thermotolerant coliform bacteria and *Escherichia coli* membrane filtration method	ČSN 75 7835	Surface water	-
1.21	Enumeration of *Clostridium perfringens* Membrane filtration method	ČSN EN ISO 14189	Drinking and surface water	-
1.22	Detection and enumeration of intestinal enterococci membrane filtration method	ČSN EN ISO 7899-2	Drinking and bathing water	-
1.23	Detection and enumeration of the spores of sulfite-reducing anaerobes (Clostridia) membrane filtration method	ČSN EN 26461-2	Drinking and surface water	-
1.24	Detection and enumeration of *Pseudomonas aeruginosa* membrane filtration method	ČSN EN ISO 16266	Drinking and bathing water	-

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
1.25	Determination of *Legionella* by culture method	ČSN EN ISO 11731	Drinking, surface and bathing water	-
1.26	Enumeration of colony-forming units of yeasts and/or moulds by culture method	ČSN ISO 6611	Milk, milk products	-
1.27	Enumeration and detection of living aerobic mesophilic bacteria by culture method	ČSN EN ISO 21149	Cosmetics	-
1.28	Detection of specified microorganisms by culture method *(Pseudomonas aeruginosa*, *Staphylococcus aureus, Candida albicans, E. coli*, yeasts and moulds*)*	ČSN EN ISO 22717; ČSN EN ISO 22718; ČSN EN ISO 18416; ČSN EN ISO 21150; ČSN EN ISO 16212	Cosmetics	-
1.29	Detection of *Salmonella* by culture method	AHEM 1/2008	Sludge, waste water, soil, bottom sediments, biomass	-
1.30	Determination of microbial contamination by culture	ČSN EN ISO 18593	Swabs, prints, deposits from production facilities environment	-
1.31	Enumeration of total microorganisms and moulds by aeroscope	SOP SZÚ – ISSN 0862-5956, November 2001	Indoor air	-
1.32	Detection and enumeration of thermotolerant coliform bacteria and *Escherichia coli* by culture method	ČSN 75 7835; AHEM 1/2008	Sludge, waste water, soil, bottom sediments, biomass	-
1.33	Detection and enumeration of intestinal enterococci membrane filtration method	AHEM 1/2008, chap.2	Sludge, waste water, soil, bottom sediments, biomass	-
2	**Chemistry**			
2.1	Determination of nitrogenous substances (raw protein) and nitrogen food by titration	SOP 6 (ČSN 46 7092-4; Javorský P., Krečmar F.: Chemical analyses in agricultural laboratories, Prague, 1987, 37-43)	Feedstuffs, food	-
2.2	Determination of total phosphorus by spectrophotometry	SOP 11 (ČSN 46 7092-11; Javorský P., Krečmar F.: Chemical analyses in agricultural laboratories, Prague 1987, 87-89)	Feedstuffs, food	-

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
2.3	Determination of dry matter by gravimetry, water content and humidity by calculation from measured values	SOP 15 (ČSN 46 7092-3)	Feedstuffs	-
2.4	Determination of chloride by titration	SOP 8A (ČSN ISO 1841-2)	Foodstuffs	-
2.5	Determination of total fat content by gravimetry	SOP 29 (ČSN ISO 1443)	Meat, meat products	-
2.6	Determination of nitrate by spectrophotometry and nitrate nitrogen by calculation from measured values	SOP 31 (R. R. Elton-Bott: Analytica Chimica Acta 108 (1979) 285-291; AOAC Official method 935.48 Nitrates and Nitrites in meat)	Meat, meat products	-
2.7	Determination of nitrite by spectrophotometry and nitrite nitrogen by calculation from measured values	SOP 33 (ČSN EN 26777)	Meat, meat products	-
2.8	Determination of dry matter by gravimetry, water content and moisture content by calculation from measured values	SOP 28 (ČSN 57 6021)	Meat, meat products and sterilized canned products	-
2.9	Determination of collagen by spectrophotometry and total protein by titration, determination of pure myosin by calculation from measured values	SOP 36 (ČSN ISO 937; AOAC Official Method 990.26 Hydroxyproline in meat and meat products, 1993)	Meat, meat products	-
2.10	Determination of boiling through by coagulation test	SOP 16 (Veterinary Laboratory Methods, SVS ČR, Bratislava 1990)	Meat, meat products	-
2.11	Determination of starch by polarimetry	SOP 38 (ČSN 56 0512-16; ČSN 46 7092-21)	Meat, meat products ready made meals, cereals, feed	-
2.12	Determination of sugar by titration	SOP 39 (ČSN 56 0246-18; ČSN 56 0130-5; ČSN 56 0116-7; ČSN 56 0512-15; ČSN 46 7092-22)	Meat, meat products ready made meals, cereals, feed	-
2.13	Determination of fibre by gravimetry using a commercial set	SOP 37 (Bioquant commercial set, Merck)	Meat, meat products ready made meals, cereals, feed	-

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
2.14	Determination of energy value by calculation from measured values	SOP 40 (Regulation (EU) No. 1169/2011 of the European Parliament and of the Council)	Meat, meat products ready made meals, cereals, feed	-
2.15	Determination of pH by potentiometry	SOP 4 (ČSN ISO 10523)	Drinking, surface, bathing, waste water	-
2.16	Determination of chloride by titration	SOP 9 (ČSN ISO 9297)	Drinking, surface, bathing and waste water	-
2.17	Determination of total phosphorus and phosphate by spectrophotometry	SOP 10 (ČSN EN ISO 6878)	Drinking, surface, waste water	-
2.18	Determination of sulphate by gravimetry	SOP 12 (ČSN ISO 9280:1995)	Drinking, surface and waste water	-
2.19	Determination of dissolved solids by gravimetry	SOP 13 (ČSN 75 7346)	Drinking, surface and waste water	-
2.20	Determination of suspended solids by gravimetry	SOP 14 (ČSN EN 872)	Drinking, surface and waste water	-
2.21	Determination of anionic surfactants by measurement of the methylene blue index by spectrophotometry	SOP 3 (ČSN EN 903)	Drinking, surface and waste water	-
2.22	Determination of nitrate by UV spectrophotometry	SOP 26 (Mertens-Massart: Bull.Soc.Chim.Belgens 80, 151-158, year 1971)	Drinking and bathing water	-
2.23	Determination of iron – spectrophotometric method using 1,10-phenanthroline	SOP 1 (ČSN ISO 6332, part a total iron)	Drinking and waste water	-
2.24	Determination of ammonium by spectrophotometry and ammonia nitrogen by calculation from measured values	SOP 27 (ČSN ISO 7150-1)	Drinking, waste, bathing water	-
2.25*	Determination of free and total chlorine by spectrophotometry using a commercial set and bound chlorine by calculation from measured values	SOP 20 (HACH firm publication; ČSN EN ISO 7393-2)	Drinking and bathing water	-
2.26*	Determination of temperature	SOP 22 (ČSN 75 7342)	Drinking, bathing and waste water	-
2.27	Determination of nitrite by spectrophotometry and nitrite nitrogen by calculation from measured values	SOP 32 (ČSN EN 26777)	Drinking and waste water	-

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
2.28*	Preliminary sensory determination of odour and flavour	SOP 23 (ČSN EN 1622; ČSN 75 7340, chap. 9 and 10)	Drinking water	-
2.29	Titrimetric determination of chemical oxygen demand using permanganate (COD_{Mn})	SOP 2 (ČSN EN ISO 8467)	Drinking water	-
2.30*	Determination of redox potential (ORP) by potentiometry	SOP 21 (ČSN 75 7367)	Drinking and bathing water	-
2.31	Determination of nitrogenous substances and nitrogen by titration according to Kjeldahl	SOP 7 (Javorský P., Krečmar F.: Chemical analyses in agricultural laboratories, Prague 1987, 37-43)	Waste water	-
2.32	Determination of biochemical oxygen demand (BOD_5) by an optical probe	SOP 25 (ČSN EN ISO 5815-1; ČSN EN ISO 5814)	Waste water	-
2.33	Determination of nitrate by spectrophotometry and nitrate nitrogen, total nitrogen and inorganic nitrogen by calculation from measured values	SOP 30 (R.Elton-Bott: Analytica Chimica Acta 108 (1979) 285-291; Pitter P.: Hydro-chemistry 2009, 4th edition, 199-200)	Waste water	-
2.34	Determination of electrical conductivity	SOP 34 (ČSN EN 27888)	Drinking, bathing and waste water	-
2.35	Determination of chemical oxygen demand using dichromate (COD_{Cr})	SOP 35 (ČSN ISO 15705)	Waste water	-
2.36	Determination of chloride by titration	SOP 8B (ČSN ISO 1841-2)	Aqueous leachate	-
2.37	Determination of dry matter by gravimetry, water content and humidity by calculation from measured values	SOP 24 (ČSN EN 14346:2007; ČSN EN 12880; ČSN EN ISO 18134-3; ČSN EN ISO 18134-2; ČSN 44 1377; ČSN ISO 687)	Sludge, waste, soil, sand, aggregate, timber, timber chips, saw dust, biomass	-
2.38	Determination of organic and inorganic carbon by infrared spectroscopy (TOC, NPOC, DOC, TIC)	ČSN EN 1484	Drinking, surface, bathing and waste water	-

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
2.39	Determination of copper, cadmium, lead, zinc, nickel and chromium by flame AAS method	SOP 43 (ČSN EN 16179; ČSN ISO 8288; Uniform working procedures, Testing of Fertilizers – ÚKZÚZ Brno 2012, Procedure No. 20060.1, 20101.1, 20100.1)	Sludge, waste, soil, sand, aggregates, biomass	-

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

[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 valid 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 (tested subject)
1.29, 1.32, 1.33, 2.37 - 2.39	Biomass - vegetable material for further technological processing
2.36	Aqueous leachate prepared according to the legislation in force (Decree No. 294/2005 Coll. and Decree No. 61/2010 Coll.)

Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification[1]	Subject of sampling
1	Drinking and hot water sampling	SOP V.17 (Regulation No. 252/2004 Coll.; ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN EN ISO 19458; ČSN ISO 5667-5; ČSN EN ISO 5667-14)	Drinking, hot water
2	Manual sampling of waste water; sampling by an automatic sampler	SOP V.18 (ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN ISO 5667-10, chap. 4.2.1; ČSN EN ISO 5667-14)	Waste water

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Ordinal number	Sampling procedure name	Sampling procedure identification[1]	Subject of sampling
3	Bathing water sampling	SOP V.19 (Regulation No. 238/2011 Coll.; ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN EN ISO 19458; ČSN EN ISO 5667-14)	Bathing water (pools)
4	Sampling of areas and object surfaces for the determination of microbial contamination	SOP V.20 (ČSN EN ISO 18593)	Areas and objects in contact with food
5	Sampling of bottom sediments	SOP V.21 (ČSN ISO 5667-12; ČSN EN ISO 5667-15; MP MŽP ČR Sampling in Rehabilitation Geology)	Bottom sediments
6	Sampling of sludge from sewage and water treatment plants	SOP V.22 (ČSN EN ISO 5667-15; MP MŽP ČR Sampling in Rehabilitation Geology)	Sludge
7	Sampling of solid materials and biomass	SOP V.23 (ČSN EN ISO 5667-13; ČSN EN ISO 5667-15; MP MŽP ČR Sampling in Rehabilitation Geology)	Soil, sand, aggregates, biomass (vegetable material for further technological processing)

[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 valid edition of the specified procedure is used (including any changes)

Used abbreviations:

AHEM	Acta hygienica, epidemiologica et microbiologica (Name of publications of SZÚ Praha)
SOP	Standard Operating Procedure
SVS	State Veterinary Administration
ÚKZÚZ	Central Institute for Supervising and Testing in Agriculture
TOC	Total Organic Carbon
NPOC	Non-Purgeable Organic Carbon
DOC	Dissolved Organic Carbon
TIC	Total Inorganic Carbon