

**The Appendix is an integral part of
Certificate of Accreditation No. 487/2018 of 14/09/2018**

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

EUROFINS CZ s.r.o.
EUROFINS CZ Testing Laboratory
Poděbradská 186/56, 198 00 Praha 9 – Hloubětín

Testing laboratory working sites:

- 1 **Praha** Poděbradská 186/56, 198 00 Praha 9 – Hloubětín
- 2 **Brno** Areál Slatina, Tuřanka 115, 627 00 Brno

The laboratory is qualified to provide expert opinions and to interpret test results.

The Laboratory is qualified to carry out independent sampling.

Tests:

Ordinal number ¹⁾	Test procedure/method name	Test procedure/method identification	Tested object
1 ¹	Enumeration of microorganisms by pour plate or surface plating method	ČSN EN ISO 4833 – 1 ČSN EN ISO 4833 - 2	Food, feedstuffs, swabs
2 ¹	Detection and enumeration of <i>Enterobacteriaceae</i> by most probable number method	ČSN EN ISO 21528 - 1	Food, feedstuffs
3 ¹	Detection and enumeration of <i>Enterobacteriaceae</i> by pour plate method	ČSN EN ISO 21528 - 2	Food, feedstuffs
4 ¹	Enumeration of coliforms by pour plate method	ČSN ISO 4832	Food, feedstuffs, swabs
5 ¹	Enumeration of coagulase-positive staphylococci by pour plate method	ČSN EN ISO 6888-1	Food, feedstuffs, swabs
6 ¹	Enumeration of coagulase-positive staphylococci by pour plate method	ČSN EN ISO 6888-2	Food, feedstuffs, swabs
7	Reserved		
8 ¹	Detection of <i>Salmonella</i> spp. by surface plating method	ČSN EN ISO 6579-1	Food, feedstuffs, swabs
9	Reserved		
10 ¹	Detection of <i>Listeria monocytogenes</i> by surface plating method	ČSN EN ISO 11290-1	Food, feedstuffs, swabs
11 ¹	Enumeration of <i>Listeria monocytogenes</i> by pour plate method	ČSN EN ISO 11290-2	Food, feedstuffs, swabs

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Ordinal number ¹⁾	Test procedure/method name	Test procedure/method identification	Tested object
12	Reserved		
13 ¹	Detection and enumeration of <i>Listeria</i> spp. by pour plate or surface plating method	SOP. MB.003.PB (ČSN EN ISO 11290-1 ČSN EN ISO 11290-2)	Food, feedstuffs, swabs
14 ¹	Enumeration of beta-glucuronidase-positive <i>Escherichia coli</i> by membrane filtration method	ČSN ISO 16649-1	Food, feedstuffs
15 ¹	Enumeration of beta-glucuronidase-positive <i>Escherichia coli</i> by pour plate method	ČSN ISO 16649-2	Food, feedstuffs, swabs
16 ¹	Enumeration of beta-glucuronidase-positive <i>Escherichia coli</i> by most probable number method	ČSN EN ISO 16649-3	Food, feedstuffs, swabs
17 ¹	Detection of <i>Enterobacter (Cronobacter) sakazakii</i> by surface plating method	ČSN EN ISO 22964	Foodstuffs
18 ¹	Enumeration of <i>Clostridium perfringens</i> by pour plate method	ČSN EN ISO 7937	Food, feedstuffs, swabs
19 ¹	Enumeration of yeasts and moulds by pour plate method	SOP.MB.014.PB (ČSN ISO 21527-1, ČSN ISO 21527-2, ČSN ISO 6611)	Food, feedstuffs
20 ¹	Enumeration of <i>Bacillus cereus</i> by pour plate method	ČSN EN ISO 7932	Food, feedstuffs, swabs
21 ¹	Enumeration of mesophilic lactic acid bacteria by pour plate method	ČSN ISO 15214	Food, feedstuffs, swabs
22 ¹	Detection of <i>Campylobacter</i> spp. by surface plating method	ČSN EN ISO 10272-1, except cl. 9.5.	Food, feedstuffs, swabs
23 ¹	Detection and enumeration of intestinal enterococci by membrane filtration method	ČSN EN ISO 7899-2	Water: drinking bottled and non-bottled, spring, suckling, mineral

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Ordinal number ¹⁾	Test procedure/method name	Test procedure/method identification	Tested object
24 ¹	Detection and enumeration of <i>Pseudomonas aeruginosa</i> by membrane filtration method	ČSN EN ISO 16266	Water: drinking bottled and non-bottled, spring, suckling, mineral
25 ¹	Detection and enumeration of the spores of sulfite-reducing anaerobes (clostridia) by membrane filtration method	ČSN EN 26461-2	Water: drinking bottled and non-bottled, spring, suckling, mineral
26 ¹	Detection and enumeration of <i>Clostridium perfringens</i> by membrane filtration method	SOP.MB.004.PB (Regulation No. 252/2004 Coll., Annex No. 6)	Water: drinking bottled and non-bottled, spring, suckling, mineral
27 ¹	Enumeration of culturable microorganisms at 22°C and 36°C by pour plate method	ČSN EN ISO 6222	Water: drinking bottled and non-bottled, spring, suckling, mineral
28 ¹	Detection and enumeration of <i>Escherichia coli</i> and coliform bacteria by membrane filtration method	ČSN EN ISO 9308-1	Water: drinking bottled and non-bottled, spring, suckling, mineral
29 ¹	Determination of content weight and volume of unit packing by gravimetry	SOP.MB.005.PB (ČSN 57 0146-3, ČSN 56 0240-6, ČSN 57 5013)	Foodstuffs
30 ¹	Measurement of pH of food by potentiometry	SOP.CH.001.PB (ČSN 56 0160-4, ČSN 56 0176-9:1983, ČSN 56 0186-7, ČSN EN 1132, ČSN ISO 1842, ČSN 56 0607, ČSN 57 0107, ČSN 57 0111-12, ČSN 57 0530, ČSN 58 0703-9, ČSN ISO 11289, ČSN ISO 2917)	Foodstuffs
31 ¹	Detection and enumeration of enterococci by pour plate method	SOP.MB.011.PB (ČSN 56 0100:1970)	Food, swabs, consumer goods

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32 ¹	Detection of specified and non-specified microorganisms by pour plate method	ČSN EN ISO 18415	Cosmetic products
33 ¹	Detection of inhibiting substances by Delvotest SP method	SOP.MB.006.PB (Manual DMS Food Specialities)	Milk
34 ^{*1,2}	Determination of pH in water by photometry by Lovibond commercial analytical set	SOP.CH.002.PB (Manual Lovibond)	Drinking water
35 ^{*1,2}	Determination of free and bound chlorine by Lovibond commercial analytical set and calculation of total chlorine	SOP.CH.003.PB (Manual Lovibond)	Drinking water, bathing water
36 ^{*1,2}	Determination of temperature	SOP.CH.004.PB (ČSN 75 7342)	Drinking water, bathing water
37 ^{*2}	Determination of redox potential (ORP)	SOP.CH.005.PB (ČSN 75 7367)	Bathing water
38 ^{*1,2}	Preliminary determination of odour and taste	SOP.CH.006.PB (TNV 75 7340, ČSN EN 1622)	Drinking water
39 ¹	Detection of <i>Listeria spp.</i> and <i>Listeria monocytogenes</i> by VIDAS system	SOP.MB.007.PB (Manual bioMérieux S.A.)	Food, feedstuffs, swabs
40 ¹	Detection of <i>Salmonella spp.</i> by VIDAS system	SOP.MB.008.PB (Manual bioMérieux S.A.)	Food, feedstuffs, swabs
41	Reserved		
42 ¹	Determination of staphylococcal toxins by VIDAS system	SOP.MB.010.PB (Manual bioMérieux S.A.)	Food, feedstuffs, swabs
43-50	Reserved		
50 ¹	Enumeration and detection of aerobic mesophilic bacteria by pour plate and surface plating method	ČSN EN ISO 21149	Cosmetics, cosmetic and similar products

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51 ¹	Detection of <i>Staphylococcus aureus</i> by pour plate method	ČSN EN ISO 22718	Cosmetics, cosmetic and similar products
52 ¹	Detection of <i>Pseudomonas aeruginosa</i> by pour plate method	ČSN EN ISO 22717	Cosmetics, cosmetic and similar products
53 ¹	Detection of <i>Candida albicans</i> by pour plate method	SOP MB.012.PB (ČSN EN ISO 18416)	Cosmetics, cosmetic and similar products
54 ¹	Detection and enumeration of <i>Enterococcus</i> spp. by pour plate method	ČSN EN 15788	Feedstuffs
55 ¹	Detection of <i>Escherichia coli</i> O157:H7 by VIDAS system	SOP.MB.013.PB (Manual bioMérieux S.A.)	Food, feedstuffs, swabs
56 ¹	Detection and enumeration of <i>Listeria monocytogenes</i> and <i>Listeria</i> spp. by RT-PCR method (Reverse Transcription Polymerase Chain Reaction)	SOP.MB.002.PB (Manual Eurofins GeneScan GmbH)	Food, feedstuffs, swabs
57 ¹	Detection of <i>Salmonella</i> spp. by RT-PCR method (Reverse Transcription Polymerase Chain Reaction)	SOP.MB.001.PB (Manual Eurofins GeneScan GmbH)	Food, feedstuffs, swabs
58–79	Reserved		
80 ¹	Titrimetric determination of N-substances (proteins) by Kjeldahl method	SOP CH.011.PB (ČSN EN ISO 5983-1, ČSN EN ISO 5983-2, ČSN 46 7092, ČSN ISO 1871, ČSN 56 0116-9, ČSN 56 0186-12, ČSN 56 0512-12:1995, ČSN ISO 937, ČSN 57 0105, ČSN 57 0153:1986)	Food, feedstuffs, food supplements, raw materials ^{oo}

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Ordinal number ¹⁾	Test procedure/method name	Test procedure/method identification	Tested object
81 ¹	Determination of free fat by gravimetry and total fat after acid hydrolysis	SOP CH.012.PB (ČSN ISO 2446, ČSN 56 0176-10, ČSN 46 7092-7, ČSN 56 0130-6, ČSN 56 0290-6, ČSN ISO 1443, ČSN ISO 1444, ČSN 56 0116-6, ČSN 56 0512-18:1995, ČSN 58 0703-6, ČSN 56 0146-4, ČSN 57 0105-4, ČSN EN ISO 1211, ČSN EN ISO 2450, ČSN EN ISO 1737, ČSN 58 0170-5)	Food, feedstuffs, food supplements, raw materials ^{oo}
82 ¹	Determination of dry matter by gravimetry and water content by calculation	SOP CH.013.PB (ČSN EN ISO 665, ČSN 46 1011-20, ČSN 46 7092-3, ČSN 56 0146-3, ČSN 56 0246-10, ČSN EN 12145, ČSN 57 0104-3:1984, ČSN 57 0107-3:1980, ČSN 57 0111-3, ČSN ISO 3728, ČSN ISO 6734, ČSN EN ISO 5537, ČSN EN ISO 5534, ČSN ISO 13580, ČSN 58 0170-4, ČSN ISO 7513, ČSN ISO 11294)	Food, feedstuffs, food supplements, raw materials ^{oo}

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Ordinal number ¹⁾	Test procedure/method name	Test procedure/method identification	Tested object
83 ¹	Determination of ash by gravimetry	SOP CH.014.PB (ČSN ISO 2171, ČSN 46 7092-9, ČSN 56 0130-4, ČSN 56 0146-6, ČSN 56 0160-6, ČSN EN ISO 3593, ČSN 56 0240-9, ČSN 56 0246-11, ČSN ISO 7514, ČSN 58 0703-11)	Food, feedstuffs, food supplements, raw materials ^{oo}
84 ¹	Determination of sand (acid insoluble ash) by gravimetry	SOP CH.015.PB (ČSN 46 7092-10, ČSN 56 0116-4, ČSN 56 0246-12, ČSN ISO 763, ČSN 56 0512-19, ČSN ISO 1577)	Food, feedstuffs, food supplements, raw materials ^{oo}
85 ¹	Determination of chlorides by titration	SOP CH.016.PB (ČSN 46 7092-18, ČSN 56 0116-5, ČSN 56 0290-5, ČSN EN 12133, ČSN 57 0107-12, ČSN 57 0167:1984, ČSN EN ISO 5943, ČSN ISO 1841-1, ČSN 58 0170-7, ČSN 58 0703-4, ČSN 58 8769:1994, ČSN 58 8770:1994)	Food, feedstuffs, food supplements, raw materials ^{oo}
86 ¹	Determination of 4-hydroxyproline by spectrophotometry and determination of collagen by calculation from measured values	SOP CH.017.PB (ISO 3496)	Food, feedstuffs, raw materials ^{oo}

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Ordinal number ¹⁾	Test procedure/method name	Test procedure/method identification	Tested object
87 ¹	Determination of crude fibre content by oxidation hydrolysis method	SOP CH.018.PB (ČSN ISO 5498) ČSN EN ISO 6865)	Feedstuffs
88 ¹	Determination of the non-nitrogen extract substances by calculation from the measured values of water, ash, nitrogen, fat, fibre	SOP CH.019.PB (ČSN 46 7092-24)	Feedstuffs
89 ¹	Determination of nutrition values by calculation from the measured values of proteins, fat, saccharides	SOP CH.020.PB (Regulation (EU) No 1169/2011 of the European Parliament and of the Council)	Food, feedstuffs, raw materials ^{oo}
90 ¹	Determination of meat content in meat products and meat containing products by calculation from the measured values of proteins, fat, collagen, water	SOP CH.021.PB (ČSN 46 7092-24, Commission Regulation (EC No 2004/2002)	Meat, meat products
91 ¹	Determination of pure myosin by calculation from the measured values of hydroxyproline, collagen and proteins	SOP.CH.022.PB (Decree No. 69/2016 Coll. on the requirements for meat, meat products, fishing and aquaculture products and products made of them, eggs and products made of them)	Meat, meat products
92 ¹	Spectrophotometric determination of phosphorus by indirect method	SOP CH.024.PB Part 1 (ČSN 46 7092-11:1986, chap. 7.1)	Food, feedstuffs, raw materials ^{oo}
93 ¹	Gravimetric determination of phosphorus by indirect method	SOP CH.024.PB Part 2 (ČSN 46 7092-11:1986, chap. 5.2)	Food, feedstuffs, raw materials ^{oo}
94 ¹	Animal and vegetable fats and oils - Determination of acid value and acidity by titration	SOP CH.026.PB (ČSN EN ISO 660)	Fats and oils

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Ordinal number ¹⁾	Test procedure/method name	Test procedure/method identification	Tested object
95 ¹	Determination of acidity by titration	SOP CH.027.PB (ČSN 56 0240-5, ČSN ISO 750, ČSN EN 12147, ČSN ISO 6091, ČSN 58 0703-10)	Food and raw materials ^{oo}
96 ¹	Determination of dry matter by refractometric method	SOP.CH.028.PB (ČSN 56 0160-17, ČSN 56 0161-2, ČSN ISO 1743, ČSN 56 0240-3, ČSN ISO 2173, ČSN EN 12143)	Food and raw materials ^{oo}
97 ¹	Sensory analysis – Descriptive test	SOP.SE.01.PB (ČSN ISO 6658)	Food
98 ¹	Determination of water activity - aw	SOP CH.030.PB (Manual LabTouch)	Food, feedstuffs, raw materials ^{oo}
99 ¹	Determination of glutamic acid by ITP method	SOP CH.031.PB (Recman Application note)	Food, feedstuffs, raw materials ^{oo}
100 ¹	Determination of nitrate and nitrite by ITP method	SOP CH.032.PB (Recman Application note)	Food, feedstuffs, raw materials ^{oo}
101 ¹	Determination of organic acids by ITP method*	SOP CH.033.PB (Recman Application note)	Food, feedstuffs, raw materials ^{oo}

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Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification	Sampled object
1 ^{1,2}	Sampling of food and feedstuffs	SOP VZ.001.PB (ČSN 56 0130-2, ČSN 56 0160 -1, ČSN ISO 1839, ČSN ISO 7516, ČSN 58 0703-2, ČSN 58 0180:1994, ČSN 56 0520-2, ČSN ISO 3100-1,2:1995, ČSN 56 0512-2:1995, ČSN 56 0116, ČSN 56 0081:1983, ČSN EN ISO 7218, ČSN 56 0290-2, ČSN 58 8752:1994)	Food, feedstuffs
2 ^{1,2}	Sampling of drinking water	SOP VZ.002.PB (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-5, ČSN EN ISO 5667-14, ČSN EN ISO 19458)	Drinking water, hot water and water used for the production of food and beverages
3 ²	Manual sampling of surface water	SOP VZ.003.PB (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-4, ČSN EN ISO 5667-6, ČSN EN ISO 5667-14)	Surface water
4 ²	Ground water sampling - manual and with immersion pumps	SOP VZ.004.PB (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-11, ČSN ISO 5667-18:2002, ČSN EN ISO 5667-14, ČSN EN ISO 19458)	Ground water

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Ordinal number	Sampling procedure name	Sampling procedure identification	Sampled object
5 ²	Bathing water sampling	SOP VZ.005.PB (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-14, ČSN EN ISO 19458, Decree No. 238/2011 Coll. on the hygienic requirements for bathing places, saunas and hygienic limits for sand in sandboxes at outdoor playgrounds)	Pool water
6 ²	Waste water sampling - manual and by an automatic sampler	SOP VZ.006.PB (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-10, ČSN EN ISO 5667-14, ČSN 75 7315)	Waste water
7 ²	Manual sludge sampling	SOP VZ.007.PB (ČSN EN ISO 5667-1, ČSN EN ISO 5667-15)	Sludge from waste water treatment and sludge dumping sites
8	Reserved		
9 ²	Waste sampling	SOP VZ.009.PB (ČSN EN 14899, MoE CR Guideline - MoE CR Bulletin No. 4/2008, ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-12, ČSN EN ISO 5667-13, ČSN EN ISO 5667-14, ČSN EN 12457-4, Regulation No. 341/2008 Coll., ČSN 46 5735)	Waste [#]
10 ^{1,2}	Sampling from surfaces using contact plates and swabs	ČSN ISO 18593	Environment, surface areas, working surfaces and areas of equipment in contact with food, feedstuffs, cosmetics

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Explanations:

- 1) Asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises.
- 2) Superscript (1, 2) at the test ordinal number identifies the workplace carrying out the test.
- 3) °° Materials intended for the production of food and feed
- 4) * Determination of organic acids – acetic acid, propionic acid, butyric acid, lactic acid, tartaric acid, citric acid, malic acid
- 5) ITP Capillary Isotachophoresis
- 6) # Solid and liquid waste