**The Appendix is an integral part of**
**Certificate of Accreditation No.: 405/2021 of 26/07/2021**

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

**Testing laboratory locations:**

| | | |
|---|---|---|
| 1. | **Olomouc** | Jakoubka ze Stříbra 462/1, 779 00 Olomouc |
| 2. | **Working site Kroměříž** | Hulínská 2286, 767 60 Kroměříž |
| 3. | **Working site Brno** | Palackého třída 174, 612 38 Brno |
| 4. | **Working site Bučovice** | Nová 715, 685 01 Bučovice |

*The laboratory has a flexible scope of accreditation permitted as detailed in the Annex.*
*Updated list of activities provided within the required flexible scope of accreditation is available in the laboratory (on the laboratory website www.svuolomouc.cz).*
*The laboratory provides expert opinions and interprets test results.*

1. **Olomouc**

**Tests:**

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 1 - 99 | Reserved | | |
| 100 | Enumeration of coagulase-positive staphylococci (*Staphylococcus aureus* and other species) – part 1,2,3 by culture | ČSN EN ISO 6888-1<br>ČSN EN ISO 6888-2<br>ČSN EN ISO 6888-3 | Products for human food and animal feeding, raw materials, environment[6], feedstuffs, components, feed supplements |
| 101 | Enumeration of total microorganisms<br>Colony count technique at 30 °C | ČSN EN ISO 4833-1<br>ČSN EN ISO 4833-2 | Food, raw materials, environment[5], feedstuffs, components, feed supplements |
| 102 | Enumeration of coliform bacteria by culture method | ČSN ISO 4832 | Food, raw materials, environment[5], feedstuffs, components, feed supplements |
| 103 | Enumeration of yeasts and moulds by culture method. Colony count technique in products with water activity > 0.95 | ČSN ISO 21527-1 | Food, raw materials, feedstuffs, components, feed supplements |
| 104 | Enumeration of yeasts and moulds by culture method. Colony count technique in products with water activity ≤ 0.95 | ČSN ISO 21527-2 | Food, raw materials, feedstuffs, components, feed supplements |
| 105 | Detection of *Salmonella* by culture method | ČSN EN ISO 6579-1 | Food, raw materials, environment[5], feedstuffs, components, feed supplements |
| 106 | Detection of *Paenibacillus larvae* by culture method | SOP HYG 3/02<br>(MN VÚ Včelařský Dol u Prahy) | Honey, honey combs, pulp, bees |
| 107 | Enumeration of *Bacillus cereus*. Colony count technique at 30°C | ČSN EN ISO 7932 | Food, raw materials, environment[5], feedstuffs, components, feed supplements |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 108 | Enumeration of mucific bacteria *Leuconostoc* by culture method | ČSN 560095 | Food, raw materials |
| 109 | Enumeration of enterococci by culture method | SOP HYG 5/15 (ČSN 560100:1968) | Food, raw materials, feedstuffs, components, feed supplements, environment[5] |
| 110 | Detection and enumeration of spore-forming anaerobes by culture method, except *Clostridium botulinum* | SOP HYG-3/15 (ČSN 560100:1968) | Food, raw materials, feedstuffs, components, feed supplements |
| 111 | Enumeration of sulfite-reducing bacteria growing under anaerobic conditions | ČSN ISO 15213 | Food, raw materials, environment[5], feedstuffs, components, feed supplements |
| 112 | Enumeration of *Clostridium perfringens* by culture method | ČSN EN ISO 7937 | Food, raw materials, environment[5], feedstuffs, components, feed supplements |
| 113 | Enumeration of *Pseudomonas spp.* by culture method | SOP HYG 1/15 (ČSN 560100:1968, ČSN P ISO/TS 11059:2009) | Food, raw materials, feedstuffs, components, feed supplements, environment[5] |
| 114 | Enumeration of bifidobacteria – Colony-count technique at 37 °C | ČSN ISO 29981 | Milk products |
| 115 | Detection and enumeration of coliform bacteria by culture method | ČSN ISO 4831 | Food, raw materials, feedstuffs, environment[5] |
| 116 | Enumeration of beta-glucuronidase-positive Escherichia coli –Colony count technique at 44 °C | ČSN ISO 16649-2 | Food, raw materials, feedstuffs, components, feed supplements |
| 117 | Detection and enumeration of presumptive *Escherichia coli* by method MPN | ČSN ISO 7251 | Food, raw materials, feedstuffs, components, feed supplements |
| 118 | Detection of presumptive pathogenic *Yersinia enterocolitica* by culture method. | ČSN EN ISO 10273 | Food, environment[5], raw materials, feedstuffs, components, feed supplements |
| 119 | Enumeration of *Pseudomonas* by culture method | ČSN P ISO/TS 11059 | Milk, milk products |
| 120 | Detection of Shiga toxin-producing *Escherichia coli* (STEC) and determination of O157, O111, O26, O103 and O145 serotypes by culture and PCR method | ČSN P CEN ISO/TS 13136 | Food, feedstuffs |
| 121 | Enumeration of yeasts and/or moulds. Colony count technique at 25°C | ČSN ISO 6611 | Milk, milk products |
| 122 | Enumeration of psychrotrophic microorganisms by culture method | ČSN ISO 17410 | Food, raw materials, feedstuffs, components, feed supplements |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 123 | Detection and enumeration of *Listeria monocytogenes and Listeria* spp. by culture method | ČSN EN ISO 11290-1<br>ČSN EN ISO 11290-2 | Food, raw materials, environment[5], feedstuffs, components, feed supplements |
| 124 | Detection and enumeration of *Campylobacter spp.* by culture method | ČSN EN ISO 10272-1<br>ČSN EN ISO 10272-2 | Products for human food and animal feeding, raw materials, components, feed supplements, environment[5] |
| 125 | Detection of enteropathogenic *Vibrio spp.* – Detection of *Vibrio parahaemolyticus* by culture method | ČSN EN ISO 21872-1 | Food, feedstuffs |
| 126 | Enumeration of lactic acid bacteria - Colony-count technique at 30 degrees C | ČSN ISO 15214 | Food, raw materials, feedstuffs, components, feed supplements |
| 127 | Detection of *Shigella* by culture method | ČSN EN ISO 21567 | Food, raw materials, feedstuffs, components, feed supplements |
| 128 | Detection of *Escherichia coli O157* by culture method | ČSN EN ISO 16654 | Food, raw materials, feedstuffs, components, feed supplements |
| 129 | Determination of microbial contamination of surfaces, process equipment and packages by means of swabs | SOP HYG 2/14<br>(ČSN 560100:1968, ČSN EN ISO 18593) | Food and feedstuffs industry environment |
| 130 | Determination of microbial contamination by washing method | SOP HYG 3/14<br>(ČSN 560100:1968) | Surfaces, packages |
| 131 | Determination of microbial contamination by spillway method | SOP HYG 4/14<br>(ČSN 560100:1968) | Packages |
| 132 | Thermostatic test | SOP HYG 4/15<br>(ČSN 560100:1968) | Food, raw materials, feedstuffs |
| 133 | Determination of residual inhibiting substances – quick methods | SOP HYG 1/96<br>(manufacturer's manuals) | Food, raw materials |
| 134 | Determination of residual inhibiting substances – method with *Geobacillus stearothermophillus* varietas *calidolactis C 953* | SOP HYG 1/99<br>(MN NRL SVÚ Jihlava) | Food, raw materials, feedstuffs, components, feed supplements |
| 135 | Determination of residual inhibiting substances – plate methods | SOP HYG 2/99<br>(MN NRL SVÚ Jihlava) | Food, raw materials, feedstuffs, components, feed supplements |
| 136 | Detection of *Cronobacter spp.* by culture method | ČSN EN ISO/22964 | Food, raw materials, environment [6] |
| 137 | Detection and enumeration of *Enterobacteriaceae* by culture method | ČSN EN ISO 21528-1<br>ČSN EN ISO 21528-2 | Food, raw materials, environment[5], feedstuffs, components, feed supplements |
| 138 | Detection of staphylococcal enterotoxins by immunodetection | ČSN EN ISO 19020 | Food, raw materials |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 139 | Detection of *Salmonella* by VIDAS immunodetection | SOP HYG 2/06 (BIOMERIEUX manual) | Food, raw materials, environment[5], feedstuffs, components, feed supplements |
| 140 | Detection of *Listeria monocytogenes* by VIDAS immunodetection | SOP HYG 3/06 (BIOMERIEUX manual) | Food, raw materials, environment[5], feedstuffs, components, feed supplements |
| 141 | Detection of *Campylobacter* by VIDAS immunodetection | SOP HYG 4/06 (BIOMERIEUX manual) | Food, raw materials, environment[5], feedstuffs, components, feed supplements |
| 142 | Enumeration of somatic cells by Nucleo counter SCC-100 | SOP HYG 1/09 (Chemometec manual) | Raw and chemically preserved milk |
| 143 | Enumeration of characteristic microorganisms[18] by culture method | ČSN ISO 7889 | Yoghurt and yoghurt beverages |
| 144 | Detection and enumeration of intestinal enterococci by membrane filtration method | ČSN EN ISO 7899-2 | Water[4] |
| 145 | Detection and enumeration of the spores of sulfite-reducing anaerobes (clostridia) by membrane filtration method | ČSN EN 26461-2 | Water[4] |
| 146 | Enumeration of culturable microorganisms. Colony count by inoculation in a nutrient agar culture medium:<br>a) at 22 °C<br>b) at 36°C | ČSN EN ISO 6222 | Water[4] |
| 147 | Detection and enumeration of *Escherichia coli* and coliform bacteria by membrane filtration method | ČSN EN ISO 9308-1 | Treated water, flushes, extracts |
| 148 | Detection of *Pseudomonas aeruginosa* by membrane filtration method. | ČSN EN ISO 16266 | Water[4], flushes, extracts |
| 149 | Detection of coagulase-positive staphylococci by membrane filtration method | SOP VÝŽ 02/99 (ČSN EN ISO 6888-1) | Water[4], flushes, extracts |
| 150 | Detection of *Salmonella* by culture method | ČSN ISO 19250 | Water[4], flushes, extracts, sludges |
| 151 | Detection and enumeration of living aerobes by membrane filtration method | SOP VÝŽ 3/99 (ČL as amended) | Aqua purificata, flushes, extracts |
| 152 | Detection and enumeration of *Enterobacteriaceae* by membrane filtration method | SOP VÝŽ 1/00 (ČSN ISO 21528-2) | Water[4], flushes, extracts, sludges |
| 153 | Detection and enumeration of *Clostridium perfringens* (including spores) by membrane filtration method | SOP VÝŽ 2/00 (MoH Regulation No. 252/2004 Coll., Annex No. 6) | Water[4], flushes, extracts |
| 154 | Determination of microscopic image (bioseston) | ČSN 757712 | Water[4] |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 155 | Detection and enumeration of *Legionella* by membrane filtration method | ČSN EN ISO 11731 | Water[4] |
| 156 | Determination of abioseston by microscopic method | ČSN 757713 | Water[4] |
| 157 | Detection and enumeration of thermotolerant coliform bacteria *Escherichia coli* by membrane filtration method | ČSN 757835 | Water[4] |
| 158 | Detection and enumeration of *Escherichia coli* and coliform bacteria by Colilert - 18 method | SOP HYG 1/10 (IDEXX manual) | Water[4] |
| 159 | Sensory tests. Descriptive testing | SOP HYG 4/99 (VLM HP 1990) | Food, raw materials |
| 160 | Sensory analysis - Methodology - Paired comparison test | ČSN EN ISO 5495 | Food, raw materials |
| 161 | Sensory analysis – Methodology - Triangle test | ČSN EN ISO 4120 | Food, raw materials |
| 162 | Sensory analysis - Methodology - Duo-trio test | ČSN EN ISO 10399 | Food, raw materials |
| 163 | Sensory analysis - Methodology - Ranking | ČSN ISO 8587 | Food, raw materials |
| 164 | Preliminary sensory analysis – determination of odour and flavour | SOP VÝŽ 1/01 (TNV 757340) | Drinking, bottled, suckling water |
| 165 - 199 | Reserved | | |
| 200 | Determination of peroxide value in fats and oils by titration | SOP CHE 4/13 (ČSN EN ISO 3960) | Food, raw materials |
| 201 | Determination of acid number and acidity in fats and oils by titration | SOP CHE 5/13 (ČSN EN ISO 660) | Food, raw materials |
| 202 | Determination of NaCl by argentometry | SOP CHE 2/96[19] | Food, raw materials[7] |
| 203 | Determination of titrable acidity[18] | SOP CHE 3/96[19] | Food, raw materials[8] |
| 204 | Determination of nitrite by photometry | SOP CHE 5/96 (ČSN 57 0158:1986) | Food, raw materials |
| 205 | Determination of pH by potenciometry | SOP CHE 7/96[19] | Food, raw materials[9] |
| 206 | Determination of boiling through by coagulation test | SOP CHE 8/96 (Veterinary laboratory methods. Food chemistry, general part, VIII a, SVA CR , SVA SR 1990) | Food, raw materials |
| 207 | Determination of dry matter, water gravimetrically and non-fat dry matter by calculation from measured values | SOP CHE 9/96[19] | Food, raw materials[10] |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories
Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 208 | Determination of fat gravimetrically and calculation of nutritional parameters, carbohydrates and energy value from measured values[18] | SOP CHE 10/96[19] chap. 2.1.,2.3.,2.4.,2.5. | Food, raw materials[11] |
| 209 | Determination of water, fat content in butter by gravimetric method and non-fat dry matter by calculation of the measured values | SOP CHE 6/13 (ČSN EN ISO 3727-1,2,3) | Food, raw materials |
| 210 | Determination of proteins[18] by Kjeldahl method and meat and water content by calculation from measured values | SOP CHE 11/96 (FOSS manual) | Food, raw materials[16] |
| 211 | Determination of ash content by gravimetry | SOP CHE 12/96[19] | Food, raw materials[14] |
| 212 | Determination of fibre[18] by gravimetry | SOP CHE 13/96[19] | Food, raw materials |
| 213 | Determination of saccharide[18] by titration | SOP CHE 14/96[19] | Food, raw materials[15] |
| 214 | Determination of total phosphorus gravimetrically and polyphosphates as $P_2O_5$ by calculation from measured values | SOP CHE 1/97 (Veterinary laboratory methods. Food chemistry, general part, VIII a, SVA CR , SVA SR 1990) | Food, raw materials |
| 215 | Determination of fat butyrometrically | SOP CHE 15/96[19] chap. 2.2. | Milk, milk products[12] |
| 216 | Determination of $NaNO_3$ by HPLC/DAD and nitrates, $KNO_3$ by calculation from measured values | SOP CHE 3/98 (ČSN EN 12014-2) | Food, raw materials |
| 217 | Determination of polyaromatic hydrocarbons[18] by HPLC/FLD and calculation of PAH sum from measured values | SOP CHE 4/98 chap. 4.2.1 (V.Kocourek: Methods for Determination of Foreign Substances in Food) | Food, raw materials |
| 218 | Determination of polyaromatic hydrocarbons[18] by HPLC/FLD method and calculation of PAH sum from measured values | SOP CHE 4/98 chap.4.2.2 (ČSN 75 7554) | Water[4] |
| 219 | Determination of preserving agents[18] by HPLC/DAD method | SOP CHE 5/98 (Veterinary laboratory methods. Food chemistry, general part, VIII a, SVA CR , SVA SR 1990) | Food, raw materials |
| 220 | Determination of hydroxiprolin and collagen by photometry | SOP CHE 2/98[19] | Food, raw materials |
| 221 | Determination of insoluble impurities content in fats and oils by gravimetry | SOP CHE 7/13 (ČSN EN ISO 663) | Food, raw materials |
| 222 | Determination of saponification number in fats and oils by titration | SOP CHE 8/13 (ČSN 588763:1995) | Food, raw materials |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 223 | Determination of unsaponifiable matter in fats and oils by gravimetry | SOP CHE 3/16 part a (ČSN EN ISO 3596-1:2001) | Food, raw materials |
| 224 | Determination of unsaponifiable matter in fats and oils by gravimetry | SOP CHE 3/16 part b (ČSN EN ISO 3596-1:2001) | Feedstuffs |
| 225 | Determination of residual sulfonamides and furazolidon[18] by HPLC/DAD method | SOP CHE 3/99 part a (SVA CR Veterinary laboratory methods, Determination of organic foreign substances, 1990) | Food, raw materials |
| 226 | Determination of residual sulfonamides and furazolidon[18] by HPLC/DAD method | SOP CHE 3/99 part b (SVA CR Veterinary laboratory methods, Determination of organic foreign substances, 1990) | Feedstuffs |
| 227 | Detection of organic dyes[18] and their identification by TLC method | SOP CHE 6/99 part a (Szokolay,A.: Identification of Dyes Permitted in CSSR with Thin-Layer Chromatography, 1969) | Food, raw materials |
| 228 | Detection of organic dyes[18] and their identification by TLC method | SOP CHE 6/99 part b (Szokolay,A.: Identification of Dyes Permitted in CSSR with Thin-Layer Chromatography, 1969) | Feedstuffs |
| 229 | Determination of dyes[18] by HPLC/DAD method | SOP CHE 5/99 part a (V.Kocourek, J.Hajšlová: Methods for determination of foreign substances in foodstuffs. Food Information Center, Prague 1992) | Food, raw materials |
| 230 | Determination of dyes[18] by HPLC/DAD method | SOP CHE 5/99 part b (V.Kocourek, J.Hajšlová: Methods for determination of foreign substances in foodstuffs. Food Information Center, Prague 1992) | Feedstuffs |
| 231 | Determination of sulphur dioxide by photometry | SOP CHE 1/99 part a (ČSN 56 0160 -11) | Food, raw materials |
| 232 | Determination of sulphur dioxide by titration | SOP CHE 1/99 part c (ČSN EN 1988-1) | Food, raw materials |
| 233 | Determination of yolk content in mayonnaise by gravimetry | SOP CHE 2/99 | Foodstuffs |
| 234 | Determination of $^{134}Cs$ and $^{137}Cs$ mass activity by high resolution gamma-ray spectrometry | SOP CHE 7/99 part a (Metodika SÚRO 31-15-02, SÚRO 31-16-02, SÚRO 31-17-02, SÚRO 31-18-02, SÚRO 31-19-02) | Food, raw materials |
| 235 | Determination of $^{134}Cs$ and $^{137}Cs$ mass activity by high resolution gamma-ray spectrometry | SOP CHE 7/99 part b (Methods SÚRO 31-15-02, SÚRO 31-16-02, SÚRO 31-17-02, SÚRO 31-18-02, SÚRO 31-19-02) | Feedstuffs |
| 236 | Determination of histamine and thyramine by HPLC/FLD method | SOP CHE 4/99 method A (Veterinary laboratory methods. Food chemistry, general part,VIII a, SVA CR , SVA SR 1990) | Food, raw materials |
| 237 | Determination of histamine and thyramine by TLC method | SOP CHE 4/99 method B (Veterinary laboratory methods. Food chemistry, general part,VIII a, SVA CR , SVA SR 1990) | Food, raw materials |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 238 | Determination of antihelmintics[18] by HPLC/DAD method | SOP CHE 1/01 part a (SOP 8.99. NRL SVÚ Jihlava) | Food, raw materials |
| 239 | Determination of antihelmintics[18] by HPLC/DAD method | SOP CHE 1/01 part b (SOP 8.99. NRL SVÚ Jihlava) | Feedstuffs |
| 240 | Determination of water activity by Novasina device | SOP CHE 4/01 part a (Novasina manual) | Food, raw materials |
| 241 | Determination of water activity by Novasina device | SOP CHE 4/01 part b (Novasina manual) | Feedstuffs |
| 242 | Determination of nicarbazine by HPLC/DAD method | SOP CHE 1/02 chap.4.2.2., 4.2.3. (SOP 8.35. NRL SVÚ Jihlava) | Foodstuffs |
| 243 | Determination of nicarbazine by HPLC/DAD method | SOP CHE 1/02 chap.4.2.2., 4.2.3. (SOP 8.35. NRL SVÚ Jihlava) | Feedstuffs |
| 244 | Determination of nicarbazine by HPLC/DAD method | SOP CHE 1/02 chap.4.2.1. (SOP 8.35. NRL SVÚ Jihlava) | Tissue |
| 245 | Determination of aflatoxin $M_1$ by HPLC/FLD method | SOP CHE 2/02 (R-BIOPHARM manual) | Foodstuffs |
| 246 | Determination of deoxynivalenol by HPLC/DAD method | SOP CHE 4/02 part a (DON test WB™ HPLC Instruction Manual, VICAM) | Food, raw materials |
| 247 | Determination of deoxynivalenol by HPLC/DAD method | SOP CHE 4/02 part b (DON test WB™ HPLC Instruction Manual, VICAM) | Feedstuffs |
| 248 | Determination of mycotoxins[18] by ELISA method | SOP CHE 5/02 part a (Working procedures for NEOGEN ELISA kits) | Foodstuffs |
| 249 | Determination of mycotoxins[18] by ELISA method | SOP CHE 5/02 part b (Working procedures for NEOGEN ELISA kits) | Feedstuffs |
| 250 | Determination of antibacterial agents[18] by ELISA method | SOP CHE 1/04 chap.5.1., 5.3, 5.4. (ELISA working procedures for R-Biopharm sets) | Food, raw materials |
| 251 | Determination of antibacterial agents[18] by ELISA method | SOP CHE 1/04 chap. 5.2. (ELISA working procedures for R-Biopharm sets) | Tissue |
| 252 | Determination of aflatoxins $B_1$, $B_2$, $G_1$, $G_2$ by HPLC/FLD method | SOP CHE 2/04 chap. 4.2.1, 4.2.2 (AflaTest Instruction Manual, VICAM) | Food, raw materials |
| 253 | Determination of aflatoxins $B_1$, $B_2$, $G_1$, $G_2$ by HPLC/FLD method | SOP CHE 2/04 chap. 4.2.1 (AflaTest Instruction Manual, VICAM) | Feedstuffs |
| 254 | Determination of aflatoxins $B_1$, $B_2$, $G_1$, $G_2$ by HPLC/FLD method | SOP CHE 2/04 chap. 4.2.1 (AflaTest Instruction Manual, VICAM) | Tissue |
| 255 | Determination of Ochratoxin A by HPLC/FLD method | SOP CHE 3/04 chap. 4.2.1, 4.2.2, 4.2.3, 4.2.5 - 4.2.7. (NeoColumn for Ochratoxin WB Instruction Manual, NEOGEN ) | Food, raw materials |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 256 | Determination of Ochratoxin A by HPLC/FLD method | SOP CHE 3/04 chap. 4.2.1 (NeoColumn for Ochratoxin WB Instruction Manual, NEOGEN ) | Feedstuffs |
| 257 | Determination of Ochratoxin A by HPLC/FLD method | SOP CHE 3/04 chap. 4.2.4. (NeoColumn for Ochratoxin WB Instruction Manual, NEOGEN ) | Tissue |
| 258 | Determination of zeralenon by HPLC/FLD method | SOP CHE 4/04 part a (ZearalaTest (TM WB) HPLC Instruction Manual,VICAM) | Food, raw materials |
| 259 | Determination of zeralenon by HPLC/FLD method | SOP CHE 4/04 part b (ZearalaTest (TM WB) HPLC Instruction Manual,VICAM) | Feedstuffs |
| 260 | Determination of chinolons[18] by HPLC/FLD method | SOP CHE 7/04 (SOP 8.105. NRL SVÚ Jihlava) | Tissue |
| 261 | Determination of valnemulin by HPLC/FLD method | SOP CHE 8/04 chap. 4.2.2. (SOP 47 ÚSKVBL Brno) | Feedstuffs |
| 262 | Determination of valnemulin by HPLC/FLD method | SOP CHE 8/04 chap. 4.2.1. (SOP 47 ÚSKVBL Brno) | Tissue |
| 263* | Determination of pH | SOP CHE 9/13 (ČSN ISO 10523) | Water[4], waste water |
| 264 | Determination of electrical conductivity | SOP CHE 10/13 (ČSN EN 27888) | Water[4] |
| 265 | Determination of the sum of calcium and magnesium by chelatometry, calcium by chelatometry and magnesium by calculation | SOP CHE 6/98 (ČSN ISO 6059, ČSN ISO 6058) | Water[4] |
| 266 | Determination of diastase activity by photometry by Phadebas set | SOP CHE 4/14 (Phadebas manual) | Honey |
| 267 | Titrimetric determination of chemical oxygen demand using permanganate ($COD_{Mn}$) | SOP CHE 5/09 (ČSN EN ISO 8467) | Water[4] |
| 268 | Determination of biochemical oxygen demand ($BOD_5$) by titration | SOP CHE 7/98 (ČSN EN 1899-1, ČSN EN 1899-2, ČSN EN 25813) | Water[4], waste water |
| 269 | Determination of ammonium by photometry | SOP CHE 12/13 (ČSN ISO 7150-1) | Water[4] |
| 270 | Determination of chloride by argentometry | SOP CHE 13/13 (ČSN ISO 9297) | Water[4] |
| 271 | Determination of sulphate by turbidimetry | SOP CHE 8/98 (TNV 757476) | Water[4] |
| 272 | Determination of iron by photometry | SOP CHE 14/13 (ČSN ISO 6332) | Water[4] |
| 273 | Determination of net weight, total weight and glazing by gravimetry | SOP CHE 3/14 (ČSN 57 5013, ČSN 57 5020) | Fish, fish products |
| 274 | Determination of dissolved solids by gravimetry | SOP CHE 15/13 (ČSN 757346) | Water[4], waste water |
| 275 | Determination of suspended solids by gravimetry | SOP CHE 9/98 (ČSN EN 872) | Water[4], waste water |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 276 | Determination of nitrite by photometry | SOP CHE 16/13 (ČSN ISO 7890-3) | Water[4] |
| 277 | Determination of nitrite by photometry | SOP CHE 17/13 (ČSN EN 26777) | Water[4] |
| 278 | Determination of phosphor by photometry | SOP CHE 18/13 (ČSN EN ISO 6878) | Water[4] |
| 279 | Determination of chemical oxygen demand $COD_{Cr}$ by titration | SOP CHE 10/98 (ČSN 83 8530-29:1980) | Water[4], waste water |
| 280 | Determination of turbidity by turbidimetry | SOP CHE 19/13 (ČSN EN ISO 7027) | Water[4] |
| 281 | Determination of colour by photometry | SOP CHE 20/13 (ČSN EN ISO 7887) | Water[4] |
| 282 | Determination of fluoride by photometry | SOP CHE 6/02 (ČSN 83 0520-17:1978) | Water[4] |
| 283 | Determination of free and total chlorine by photometry | SOP CHE 3/08 (ČSN ISO 7393-2:1995) | Water[4] |
| 284* | Determination of free and total chlorine by Merck set | SOP CHE 3/08 (Merck manual) | Water[4] |
| 285 | Determination of hydroxymethylfurfural by photometry | SOP CHE 1/05 (ČSN 57 0190) | Honey |
| 286 | Determination of water-insoluble substances by gravimetry | SOP CHE 2/05 (ČSN 57 0190) | Honey, food, raw materials |
| 287 | Determination of saccharides[18] by HPLC/ ELSD method | SOP CHE 4/05 part a (Supelco publications) | Food, raw materials |
| 288 | Determination of saccharides[18] by HPLC/ ELSD method | SOP CHE 4/05 part b (Supelco publications) | Feedstuffs |
| 289 | Detection of antimicrobial substances[18] by RAI method (CHARM II) | SOP CHE 5/05 Annex No.2, tab. No. 3, 4, 5 – 10 (CHARM publications) | Food, raw materials |
| 290 | Detection of antimicrobial substances[18] by RAI method (CHARM II) | SOP CHE 5/05 Annex No. 2, tab. No. 1, 2 (CHARM publications) | Tissue |
| 291 | Determination of coccidiostats[18] by HPLC/MS/MS method | SOP CHE 6/05 chap. 4.2., tab.3,4 (SOP 8.97. NRL SVÚ Jihlava ) | Feedstuffs |
| 292 | Determination of coccidiostats by HPLC/MS/MS method | SOP CHE 6/05 chap. 4.2., tab.2 (SOP 8.97. NRL SVÚ Jihlava ) | Tissue, eggs |
| 293 | Determination of IPMA substances[18] by HPLC/DAD method | SOP CHE 7/05 (SOP 18.08.r 00 ÚKZUZ Brno) | Feedstuffs |
| 294 | Determination of residues of non-steroidal anti-inflammatory drugs[18] by HPLC/MS/MS method | SOP CHE 4/07 (Eu Reference Laboratory for Residues of Veterinary Drugs, Berlin *NSAIDs in muscle from cattle with LC-MS/MS* ) | Tissue |
| 295 | Determination of patulin by HPLC/DAD method | SOP CHE 9/05 (Determination of Patulin in apple juice by HPLC , R-Biopharm Rhone Ltd) | Food, raw materials |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 296 | Determination of purine alkaloids (caffeine, theobromine) by HPLC/DAD method | SOP CHE 10/05 (WATERS publications) | Food, raw materials |
| 297 | Determination of electrical conductivity of honey | SOP CHE 11/05 (ČSN 57 0190) | Honey |
| 298 | Determination of refractometric dry matter | SOP CHE 12/05 (ČSN 57 0190) | Food, raw materials |
| 299 | Determination of moisture content by gravimetry | SOP CHE 21/13 (ČSN 46 7092-3) | Feedstuffs |
| 300 | Determination of nitrogen compounds (gross protein) by Kjeldahl method | SOP CHE 22/13 (ČSN 46 7092-4, FOSS manual) | Feedstuffs |
| 301 | Determination of starch content by polarimetry | SOP CHE 23/13 (ČSN 46 7092-21) | Feedstuffs |
| 302 | Determination of saccharide[18] content by titration | SOP CHE 24/13 (ČSN 46 7092-22) | Feedstuffs |
| 303 | Determination of tetracyclines[18] by HPLC/DAD method | SOP CHE 13/05 (SOP 62 ÚSKVBL Brno) | Feedstuffs |
| 304 | Determination of dyes[18] by HPLC/MS/MS method | SOP CHE 14/05 (Sanders P..,Delépine B.,Roudaut B.;AFSSA, Metode d'identification et de confirmation des residus de vert de malachite et son metabolite dans les tissus par CL/SM-SM) | Tissue |
| 305 | Determination of avermectins[18] by HPLC/MS/MS method | SOP CHE 2/06 (L. Howells and M.J. Bauer, Multi-residue analysis of avermectins and moxidectin by ion-trap LC-MS$^n$) | Tissue |
| 306 | Determination of dye E 128 (red 2G) by HPLC/MS/MS method | SOP CHE 6/07 (Ishikawa F, Oishi M, Shindo T, Horie M… Confirmation of non permitted dyes detected in Akasu (red vinegar) by LC/MS ) | Food, raw materials |
| 307 | Determination of niclosamide by HPLC/DAD method | SOP CHE 5/08 (SOP 8.103. NRL SVÚ Jihlava) | Tissue |
| 308 | Determination of soya protein by ELISA method | SOP CHE 5/07 (NEOGEN manual) | Food, raw materials, environment[17] |
| 309 | Determination of gliadine by ELISA method | SOP CHE 10/04 (R-BIOPHARM manual) | Food, raw materials, environment[17] |
| 310 | Determination of phenolic antioxidants[18] by HPLC/DAD method | SOP CHE 1/15[19] part a | Food, raw materials |
| 311 | Determination of phenolic antioxidants[18] by HPLC/DAD method | SOP CHE 1/15[19] part b | Feedstuffs |
| 312 | Determination of total phosphorus by spectrophotometry | SOP CHE 2/09 (ČSN 467092-11) | Feedstuffs |
| 313 | Determination of melamin and cyanuric acid by HPLC/MS/MS method | SOP CHE 3/09[19] (part a) | Food, raw materials |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 314 | Determination of melamin and cyanuric acid by HPLC/MS/MS method | SOP CHE 3/09[19] (part b) | Feedstuffs |
| 315 | Determination of cyclamate by HPLC/DAD method | SOP CHE 2/10 (ČSN EN 12857) | Foodstuffs |
| 316 | Determination of acesulfam-K, aspartam and saccharine by HPLC/DAD method | SOP CHE 3/10 (ČSN EN 12856) | Foodstuffs |
| 317 | Determination of allergens[18] by ELISA method | SOP CHE 1/11 (ELISA Systems, NEOGEN manuals) | Food, raw materials, environment[17] |
| 318 | Determination of haloxyfop by HPLC/MS/MS method | SOP CHE 1/10 (SOP No. 101 NRL SVÚ Praha) | Foodstuffs |
| 319 | Determination of vitamins A and E by HPLC/FLD method | SOP CHE 2/11 part a (ČSN EN 12822, ČSN EN 12823-1) | Food, raw materials |
| 320 | Determination of vitamins A and E by HPLC/FLD method | SOP CHE 2/11 part b (ČSN EN 12822, ČSN EN 12823-1) | Feedstuffs |
| 321 | Determination of alkaline phosphatase activity by fluorimetry | SOP CHE 2/08 (Advanced Instrument manufacturer's manual, ALP Set) | Foodstuffs |
| 322* | Determination of temperature | ČSN 757342 | Water[4], air |
| 323 | Determination of sulfonamides by HPLC/MS/MS method | SOP CHE 1/13 (SOP 8.131. NRL SVÚ Jihlava) | Feedstuffs |
| 324 | Determination of chloramphenicol by HPLC/MS/MS method | SOP CHE 2/13[19] | Food, raw materials |
| 325 | Determination of organic acids[18] by HPLC/DAD method | SOP CHE 3/13[19] | Food, raw materials |
| 326 | Determination of fat content by gravimetry and calculation of nutritional parameters and metabolizable energy from measured values[18] | SOP CHE 1/14[19] (ČSN 46 7092-7) | Feedstuffs |
| 327 | Determination of ascorbic acid and isoascorbic acid by HPLC/DAD method | SOP CHE 1/12 (ČSN EN 14130) | Food, raw materials |
| 328 | Determination of coumarin, ethylvanillin and vanillin by HPLC/DAD | SOP CHE 2/14 (Chi Man Ng, Wilhad M.Reuter, …: Analysis of Vanillin, Ethylvanillin and Coumarin in Vanilla Extract Products by UHPLC with PDA Detection, 2015) | Food, raw materials |
| 329 | Determination of freeze point by cryoscopic method | SOP CHE 2/15[19] (Operating Instructions CryoStar automatic, Funke-Dr.N.Gerber Labortechnik GmbH) | Milk |
| 330 | Determination of lactose by enzymatic method, photometry | SOP CHE 1/17 (MEGAZYME working procedures, AOAC Official Method 984.15; lactose in milk) | Food, raw materials |
| 331 | Determination of total mass and net mass by gravimetry | SOP CHE 2/17 (WELMEC 6.8, 2nd Issue, May 2013) | Food, raw materials |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 332 | Determination of acrylamide by HPLC/MS/MS method | SOP CHE 3/17 (Waters Application NOTE) | Food, raw materials |
| 333 | Determination of preservatives (natamycine) by HPLC/MS/MS method | SOP CHE 1/18 (ČSN EN ISO 9233-2) | Food, raw materials |
| 334 | Determination of carbamates[18] by HPLC/MS/MS method | SOP CHE 2/18 (Waters method) | Tissues |
| 335 | Determination of organic acids (citric acid, glutamic acid) by HPLC/MS method | SOP CHE 3/18 (Food Chemistry 132 (2012) 1049–1054. Determination of organic acids in fruits and vegetables by liquid chromatography with tandem-mass spectrometry) | Food, raw materials |
| 336 | Determination of glyphosate and its metabolites by HPLC/MS/MS method | SOP CHE 1/21[19] part A | Food, raw materials |
| 337 | Determination of glyphosate and its metabolites by HPLC/MS/MS method | SOP CHE 1/21[19] part B | Feedstuffs |
| 338 - 399 | Reserved | | |
| 400 | Detection of bovine DNA by PCR method (conventional) | SOP PCR 1/01, 401a (T. Matsunaga et al., Meat Science, 51, 1999) | Food, raw materials, feedstuffs |
| 401 | Detection of porcine DNA by PCR method (conventional) | SOP PCR 1/01, 401b (T. Matsunaga et al., Meat Science, 51, 1999) | Food, raw materials, feedstuffs |
| 402 | Detection of poultry DNA by PCR method (conventional) | SOP PCR 1/01, 401c (T. Matsunaga et al., Meat Science, 51, 1999) | Food, raw materials, feedstuffs |
| 403 | Detection of equine DNA by PCR method (conventional, Real-time) | SOP PCR 1/01, 401d (T. Matsunaga et al., Meat Science, 51, 1999. EURL Metodika) | Food, raw materials, feedstuffs |
| 404 | Detection of ovine DNA by PCR method (conventional) | SOP PCR 1/01, 401e (T. Matsunaga et al., Meat Science, 51, 1999) | Food, raw materials, feedstuffs |
| 405 | Detection of caprine DNA by PCR method (conventional) | SOP PCR 1/01, 401f (T. Matsunaga et al., Meat Science, 51, 1999) | Food, raw materials, feedstuffs |
| 406 | Detection of canine DNA by PCR method (conventional) | SOP PCR 1/01, 401g (A.Abdulmawjood et al., Journal of Food Science, 5,2003) | Food, raw materials, feedstuffs |
| 407 | Detection of feline DNA by PCR method (conventional) | SOP PCR 1/01, 401h (A.Abdulmawjood et al., Journal of Food Science, 5,2003) | Food, raw materials, feedstuffs |
| 408 | Determination of sex of cattle by PCR method (conventional) | SOP PCR 1/01, 401i (B.Kirtpatrick,Journal of Reproduction and Fertility 98,1993. S. Ennis,Animal Genetics 25,1994) | Food, raw materials |
| 409 | Detection of celery DNA by PCR method (conventional, Real-time) | SOP PCR 1/01, 401j (Commercial test manufacturer's manual, L. Dovičovičová, Eur Food Res Technol.218 2004. O. Škultécy, Potravinárstvo 2,2011) | Food, raw materials, feedstuffs |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 410 | Determination of sex of birds by PCR method (conventional) | SOP PCR 1/01, 401k (H.Cerit.,Turk.J. Vet. Anim. Sci 31,2007. A.Dubiec.,Biological lett. 43,2006. R.Grifiths, Moleculae Ecology 7,1998. Y. Itoh,The Journal of Heredity 92, 2001. | Feather, blood |
| 411 | Detection of fish DNA by PCR method (Real-time) | SOP PCR 1/01, 401l (Herrero, B. Food Chemistry 151, 2014) | Food, raw materials, feedstuffs |
| 412 | Detection of bovine protein by ELISA method | SOP PCR 2/01, 402a (Commercial test manufacturer's manual) | Food, raw materials, feedstuffs |
| 413 | Detection of swine protein by ELISA method | SOP PCR 2/01, 401b (Commercial test manufacturer's manual) | Food, raw materials, feedstuffs |
| 414 | Detection of poultry protein by ELISA method | SOP PCR 2/01, 401c (Commercial test manufacturer's manual) | Food, raw materials, feedstuffs |
| 415 | Detection of equine protein by ELISA method | SOP PCR 2/01, 401d (Commercial test manufacturer's manual) | Food, raw materials, feedstuffs |
| 416 | Detection of *Listeria monocytogenes* DNA by PCR method (conventional) | SOP PCR 3/01, 403a (P.Gallien,Molekularbiologische Nachweismethoden ausgewahler , 2000. P.A.Gouws ,Food Technol. Biotechnol. 43, 2005) | Bacterial cultures |
| 417 | Detection of *Salmonella* sp. DNA by PCR method (conventional) | SOP PCR 3/01, 403b (C.Lofstrom , Applied and Enviromental Microbiology 70,2004. B. Malomy, Applied and Envirormental Microbiology 69, 2003) | Bacterial cultures, feedstuffs |
| 418 | Detection of *Mycobacterium paratuberculosis* DNA by PCR method (Real-time) | SOP PCR 3/01, 403c (Commercial test manufacturer's manual) | Bacterial cultures, droppings, |
| 419 | Detection of *Brucella sp.* DNA by PCR method (conventional) | SOP PCR 3/01, 403d (A. Rabab,Ann Saudi Med. 20,2000. D.Garcia-Yoldi, Clinical Chemistry 52, 2006. I. Lopez-Goni , Journal of Clinical Microbiology 46,2008) | Bacterial cultures |
| 420 | Detection of *Escherichia coli* DNA – serovars O157,O11, O26, O103, O145, O104, O113, O91, O55 by PCR method (conventional, Real-time) | SOP PCR 3/01, 403e (M. Bugaret, J.Food Microbiology 142, 2010. L. Feng, Journal of Bacteriology 187,2005. S. Perelle, Mol Cell Probes 18,2004. Journal of Applied Microbiology 98,2005) | Bacterial cultures |
| 421 | Detection of *Francisella tularensis* DNA by PCR method (conventional) | SOP PCR 3/01, 403f (A.Sjosted et al., Journal of Clinical Mikrobiology 35,1997) | Bacterial cultures |
| 422 | Detection of *Paenibacillus larvae* DNA by PCR method (conventional) | SOP PCR 3/01, 403g (OIE Manual of Diagnostic Test and Vaccines for Terrestrial Animals. V.A.Govan, Applied and Enviromental Mikrobiology 65, 1999) | Bacterial cultures |
| 423 | Detection of *Brachyspira hyodysenteriae* DNA by PCR method (conventional) | SOP PCR 3/01, 403h (Mc. Cormick, Vet. Microbiology 47,1995) | Bacterial cultures, droppings, swabs |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 424 | Detection of *Mycoplasma hyopneumoniae* DNA by PCR method (conventional) | SOP PCR 3/01, 403ch (Commercial test manufacturer's manual, I. Holko, Vet. Med. 49,2004) | Tissue, swabs |
| 425 | Detection of *Actinobacillus pleuropneumoniae* DNA by PCR method (conventional) | SOP PCR 3/01, 403i (Commercial test manufacturer's manual, T. Gram et al., Veterinary Microbiology 75,2001) | Bacterial cultures |
| 426 | Detection of *Mycoplasma gallisepticum*, *M.synovia*, *M.meleargidis* DNA by PCR method (conventional) | SOP PCR 3/01, 403j (Commercial test manufacturer's manual) | Tissue, swabs |
| 427 | Detection of *Chlamydia* sp. DNA by PCR method (conventional) | SOP PCR 3/01, 403k (IZS TE B2 1.9 SOP006 ,2000. J. C. Hartley et al., Journal of Clinical Microbiology 39,2001) | Tissue, body fluids, swabs |
| 428 | Detection of *Lawsonia intracellularis* DNA by PCR method (conventional) | SOP PCR 3/01, 403l (Commercial test manufacturer's manual) | Droppings, swabs |
| 429 | Detection of *Legionella pneumoniae* DNA by PCR method (conventional) | SOP PCR 3/01, 403m (Commercial test manufacturer's manual) | Bacterial cultures |
| 430 | Detection of *Campylobacter coli* DNA by PCR method (conventional) | SOP PCR 3/01, 403n (H.B. Cetinkaya, Turk. J. Vet. Anim. Sci. 26,2002. G. Wang , J Clinical Microbiology 40,2002. EURL-AR Protocol ,November 2013) | Bacterial cultures |
| 431 | Detection of *Campylobacter jejuni* DNA by PCR method (conventional) | SOP PCR 3/01, 403o (H.B. Cetinkaya, Turk. J. Vet. Anim. Sci. 26,2002. G. Wang , J Clinical Microbiology 40,2002. EURL-AR Protocol , November 2013) | Bacterial cultures |
| 432 | Detection of *Campylobacter lari* DNA by PCR method (conventional) | SOP PCR 3/01, 403p (D. Linton et al., Res. Microbiology 147, 1996) | Bacterial cultures |
| 433 | Detection of *Campylobacter fetus* DNA by PCR method (conventional) | SOP PCR 3/01, 403q (D. Linton et al., Res. Microbiology 147,1996) | Bacterial cultures |
| 434 | Detection of *Campylobacter upsaliensis* DNA by PCR method (conventional) | SOP PCR 3/01, 403r (D. Linton et al., Res. Microbiology 147,1996) | Bacterial cultures |
| 435 | Detection of DNA of *Taylorella equigenitalis* by PCR method (conventional Real time) | SOP PCR 3/01, 403s (Commercial test manufacturer's manual, OIE Manual of diagnostic tests and vaccines for terrestrial animals 2016- Wakeley et al., Veterinary Microbiol., 2006; Bleumink-Pluym et al., J. Clin. Microbiol, 1994) | Bacterial cultures, tissue, body fluids, swabs |
| 436 | Detection of *Leptospira* DNA by PCR method (Real-time) | SOP PCR 3/01, 403t (Commercial test manufacturer's manual) | Tissue, body fluids |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 437 | Detection of *Staphylococcus aureus*, MRSA DNA by PCR method (conventional) | SOP PCR 3/01, 403u (A. B. Poulen., J. of Antimicrobial Chemoterapy 51,2003. Protocol EURL- AR September 2012) | Bacterial cultures |
| 438 | Detection of *Coxiella burnetti* DNA by PCR method (Real-time) | SOP PCR 3/01, 403v (Commercial test manufacturer's manual) | Tissue, droppings, swabs, milk |
| 439 | Confirmation of monophasic variant of *Salmonella typhimurium* 1,4, [5], 12i:i:- by PCR method (conventional) | SOP PCR 3/01, 403w (S.Tennat et al., Plos neglected tropical diseases 621,2010. EFSA Journal 8,2010) | Bacterial cultures |
| 440 | Detection of *Mycoplasma* sp. DNA by PCR method (conventional) | SOP PCR 3/01, 403x (Commercial test manufacturer's manual, J. Timenetsky, Brazilian Journal of Med. and Biologic.Reserch 39, 2006) | Tissue, swabs, milk |
| 441 | Porcine reproductive and respiratory syndrome virus (PRRS) by PCR method (conventional, Real-time PCR) | SOP PCR 4/01, 404a (L. Valíček, I. Pšikal et al, Vet. Med. 42, 1997, W. Lurchachaiwong et al., Lett. Appl. Microbiol. 46, 2008, Commercial test manufacturer's manual) | Tissue, body fluids |
| 442 | Infectious bovine rhinotracheitis (IBR) by PCR method (conventional, Real-time) | SOP PCR 4/01, 404b (OIE Manual of Diagnostic Test and Vaccines for Terrestrial Animals. R. Jerzy, Bulletin of Veterinary Institute in Pulawy 41, 2001) | Tissue, body fluids |
| 443 | Type 2 porcine circovirus (PCV2) by PCR method (conventional) | SOP PCR 4/01, 404c (Y. Kim, Vet. Record, 149,2001. Y. Kim, Vet. Sci.3,2002. M.Ouardani et al., Clin.Microbiology 37, 1999) | Tissue, body fluids |
| 444 | Bovine Viral Diarrhea (BVD) by PCR method (Real-time) | SOP PCR 4/01, 404d (Commercial test manufacturer's manual, OIE Manual of diagnostic tests and vaccines for terrestrial animals 2016 – Hoffmann et al., Journal of virological methods, 2006) | Tissue, body fluids, milk |
| 445 | Avian influenza (AI) by PCR method (conventional, Real-time) | SOP PCR 4/01, 404e (Commercial test manufacturer's manual, R. Fouchier , Journal of clinical microbiology 38,2000. E.Spackman et al, Journal of clinical microbiology 40, 2002) | Tissue, body fluids, swabs |
| 446 | Aujeszky's disease (AD) by PCR method (conventional, Real-time) | SOP PCR 4/01, 404f (Commercial test manufacturer's manual) | Tissue, swabs |
| 447 | Canine herpesvirus (CHV) by PCR method (conventional, Real -time) | SOP PCR 4/01, 404g (Commercial test manufacturer's manual,N.Decaro et al., Journal of Virological Metods 169, 2010) | Tissue, body fluids, swabs |
| 448 | Bluetongue virus (BTV) by PCR method (Real-time) | SOP PCR 4/01, 404h (Commercial test manufacturer's manual) | Tissue, blood |
| 449 | West Nile fever (WNF) by PCR method (Real-time) | SOP PCR 4/01, 404ch (Commercial test manufacturer's manual) | Tissue, body fluids, swabs, feces |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 450 | Koi herpes virus (KHV) by PCR method (conventional) | SOP PCR 4/01, 404i (OIE Manual of DiagnosticTests and Vaccines for Terrestrial Animals. VÚVeL T. Veselý, D Pokorová, Stanovení KHV v chovech kapra) | Tissue, body fluids |
| 451 | Schmallenberg virus (SBV) by PCR method (Real-time) | SOP PCR 4/01, 404j (B. Hoffman et al, Emerg. Infectious disease 18, 2012) | Tissue, body fluids |
| 452 | Newcastle disease virus (APMV1) by PCR method (Real-time) | SOP PCR 4/01, 404k (Commercial test manufacturer's manual) | Tissue, body fluids |
| 453 | Porcine parvovirus (PPV) by PCR method (conventional) | SOP PCR 4/01, 404l (J. Kim et al, Vet. Record 149, 2001) | Tissue, body fluids |
| 454 | African swine fever (ASF) virus by PCR method (conventional, Real-time) | SOP PCR 4/01, 404m (EURL-ASF SOP/CISA/ASF/PCR/1 conventional PCR EURL-ASF SOP/CISA/ASF/PCR/2 real-time PCR, 2013) | Tissue, body fluids |
| 455 | Classical Swine Fever (CSF) virus by PCR method (Real-time) | SOP PCR 4/01, 404n (Commercial test manufacturer's manual, Hoffmann et al., Journal of virological methods, 2005) | Tissue, body fluids, (EDTA-blood, serum) |
| 456 | Detection of enterotoxin encoding genes in *Staphylococcus aureus* by PCR method (conventional) | SOP PCR 01/11, 413a (AFSSA – EU CRL Detection of genes encoding staphylococcal enterotoxins Multiplex PCR for sea to see and ser. Multiplex PCR for seg to sej and sep. version 1 October 2009) | Bacterial cultures |
| 457 | Detection of virulence factor genes in *Escherichia coli* by PCR method (conventional) | SOP PCR 01/11, 413b (NRL pro E.coli-Horizontal method for the detection of Shiga toxin, producing Escherichia coli (STEC), MVDr. P. Alexa, CSc,2011. A.W. Paton , Journal of Clinical Microbiology 40 ,2002. H Schmidt, Appl. Environ.Microbiology 66 ,2000. G. Wang ,Journal of Clinical Microbiology 40,2002.) | Bacterial cultures |
| 458 | *Clostridium difficile* by PCR method (conventional) | SOP PCR 01/11, 413c (L. Lemeeet.Journal of Clinical Microbiology 42, 2004. A. Samie,Trop. Med. Hyg.78, 2008. G. Terbes, Journal of Clinical Micorbiology 42,2004. S.H.Cohen, Journal of Infectious Disease 181,2000) | Bacterial cultures |
| 459 -499 | Reserved | | |
| 500 | Infectious bovine rhinotracheititis (IBR) detection of antibodies by virus neutralization test (VNT) | SOP VIR 1/02, 405a (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals) | Blood serum |
| 501 | Aujeszky's disease (ACH) detection of antibodies by virus neutralization test (VNT) | SOP VIR 1/02, 405b (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals) | Blood serum |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 502 | Equine viral arteritis (EVA) detection of antibodies by virus neutralization test (VNT) | SOP VIR 1/02, 405c (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals) | Blood serum |
| 503 | Newcastle disease (ND) detection of antibodies by hemagglutination-inhibition test (HIT) | SOP VIR 2/02, 406a (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, SOP-VLDIAO4I HAG-SOP_GD Ltd. Deventer, Netherlands) | Blood serum |
| 504 | Diagnostics of transmissive spongeform encephalopathy by PrioSTRIP BSE Kit method | SOP VIR 1/06 (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Tissue of central nervous system |
| 505 | Diagnostics of transmissive spongeform encephalopathy – Detection of prion protein PrPTSE by ELISA test IDEXX HerdChek* BSE and BSE/Scrapie Antigen Test Kit, EIA | SOP VIR 1/07 (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Tissue of central nervous system |
| 506 | Maedi-Visna (MV) detection of antibodies by immunodiffusion test (IDT) | SOP SER 1/02, 501a (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum |
| 507 | Caprine arthritis and encephalitis (CAE) detection of antibodies by immunodiffusion test (IDT) | SOP SER 1/02, 501b (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum |
| 508 | Enzootic bovine leukosis (EBL) detection of antibodies by immunodiffusion test (IDT) | SOP SER 1/02, 501c (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum |
| 509 | Equine infectious anemia (IAE) detection of antibodies by immunodiffusion test (IDT) | SOP SER 1/02, 501d (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum |
| 510 | Infectious bovine rhinotracheitis (IBR) detection of antibodies by ELISA method | SOP SER 2/02, 502a (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids, milk, milk whey |
| 511 | Swine Aujeszky's disease (ACH) detection of antibodies by ELISA method | SOP SER 2/02, 502b (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 512 | Porcine reproductive and respiratory syndrome (PRRS) detection of antibodies by ELISA method | SOP SER 2/02, 502c (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 513 | Swine Vesicular Disease (VCHP) detection of antibodies by ELISA method | SOP SER 2/02, 502d (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 514 | Classical swine fever (KMP) detection of antibodies by ELISA method | SOP SER 2/02, 502e (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 515 | Bovine viral diarrhoea (BVD) detection of antibodies by ELISA method | SOP SER 2/02, 502f (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 516 | Bovine viral diarrhoea (BVD) detection of virus by ELISA method | SOP SER 2/02, 502g (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 517 | Bovine Respiratory Syncytial Virus (BRSV) detection of antibodies by ELISA method | SOP SER 2/02, 502h (Commercial test manufacturer's manual) | Blood, blood serum |
| 518 | Parainfluenza 3 (PI3) detection of antibodies by ELISA method | SOP SER 2/02, 502i (Commercial test manufacturer's manual) | Blood, blood serum, |
| 519 | Cattle adenovirus (ADV) detection of antibodies by ELISA method | SOP SER 2/02, 502j (Commercial test manufacturer's manual) | Blood, blood serum |
| 520 | Enzootic bovine leukosis (EBL) detection of antibodies by ELISA method | SOP SER 2/02, 502k (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids, milk |
| 521 | Brucellosis, detection of antibodies by ELISA method | SOP SER 2/02, 502l (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids, milk |
| 522 | Infectious ram epididymitis detection of antibodies by ELISA method | SOP SER 2/02, 502m (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 523 | Maedi-Visna (MV) detection of antibodies by ELISA method | SOP SER 2/02, 502n (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 524 | Caprine arthritis and encephalitis (CAE) detection of antibodies by ELISA method | SOP SER 2/02, 502o (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 525 | Ovine catharal fever – bluetongue (BTV) detection of antibodies by ELISA method | SOP SER 2/02, 502p (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 526 | Equine viral arteritis (EVA) Detection of antibodies by ELISA method | SOP SER 2/02, 502q (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 527 | Avian influenza (AI) Detection of antibodies by ELISA method | SOP SER 2/02, 502r (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 528 | *Pasteurella multocida* dermotoxin detection of antibodies by ELISA method | SOP SER 2/02, 502s Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 529 | Infectious bursal disease (Gumboro) detection of antibodies by ELISA method | SOP SER 2/02, 502t (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 530 | Poultry infectious bronchitis (IB) detection of antibodies by ELISA method | SOP SER 2/02, 502u Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 531 | Mycoplasmosis in poultry detection of antibodies by ELISA method | SOP SER 2/02, 502v (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 532 | West Nile fever (WNF) Detection of antibodies by ELISA method | SOP SER 2/02, 502w (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 533 | Schmallenberg virus (SBV) detection of antibodies by ELISA method | SOP SER 2/02, 502x (Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 534 | Q-fever, detection of antibodies by ELISA method | SOP SER 2/02, 502y (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | |
| 535 | Porcine parvovirus (PPV) detection of antibodies by ELISA method | SOP SER 2/02, 502z (Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 536 | African swine fever (ASF) detection of antibodies by ELISA method | SOP SER 2/02, 502aa (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 537 | Mycobacterium paratuberculosis (MAP) – detection of antibodies by Elisa method | SOP SER 2/02, 502bb (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood, blood serum, tissue liquids |
| 538 | Brucellosis of cattle, swine, sheep and goats, rabbits by slow agglutination (SA) | SOP SER 3/02, 503a (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, (Commercial test manufacturer's manual) | Blood serum |
| 539 | Tularemia by slow agglutination (SA) | SOP SER 3/02, 503b (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood serum |
| 540 | Listeriosis by slow agglutination (SA) | SOP SER 3/02, 503c Commercial test manufacturer's manual) | Blood serum |
| 541 | Brucellosis of cattle, swine, sheep and goats - by Rose-bengal test (RBT) | SOP SER 4/02, 504a (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood serum |
| 542 | Brucellosis of cattle, swine, sheep and goats by complement fixation reaction (CFR) | SOP SER 5/02, 505a (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood serum |
| 543 | Chlamydiosis by complement fixation reaction (CFR) | SOP SER 5/02, 505b (Commercial test manufacturer's manual) | Blood serum |
| 544 | Glanders of horses, donkeys and mules by complement fixation reaction (CFR) | SOP SER 5/02, 505c (Commercial test manufacturer's manual) | Blood serum |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 545 | Dourine of odd-toeds by complement fixation reaction (CFR) | SOP SER 5/02, 505d (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood serum |
| 546 | Paratuberculosis of ruminants by complement fixation reaction (CFR) | SOP SER 5/02, 505e (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood serum |
| 547 | Infectious ram epididymitis by complement fixation reaction (CFR) | SOP SER 5/02, 505f (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood serum |
| 548 | Q-fever by complement fixation reaction (CFR) | SOP SER 5/02, 505g (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Blood serum |
| 549 | Rabies – by immunofluorescence (IF) | SOP SER 6/02, 506a (OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Commercial test manufacturer's manual) | Tissue |
| 550 - 599 | Reserved | | |
| 600 | Detection and identification of *Enterobacteriaceae* by culture method | SOP BAK 5/03 (Manual of Clinical Microbiology, Manual of Diagnostic Tests and Vaccines OIE) | Biological material[13], water[4], pharmaceutics, food, feedstuffs, cosmetics, environment[5] |
| 601 | Detection and identification of *Listeria* by culture method | SOP BAK 1/03 (Manual of Clinical Microbiology, Manual of Diagnostic Tests and Vaccines OIE) | Biological material[13], water[4], pharmaceutics, food, feedstuffs, cosmetics, environment[5] |
| 602 | Detection and identification of *Francisella* by culture method | SOP BAK 5/02 (Manual of Clinical Microbiology, Manual of Diagnostic Tests and Vaccines OIE) | Biological material[13], water[4], pharmaceutics, food, feedstuffs, cosmetics, environment[5] |
| 603 | Detection and identification of *Brucella* by culture method | SOP BAK 6/02 (Manual of Clinical Microbiology, Manual of Diagnostic Tests and Vaccines OIE) | Biological material[13], water[4], pharmaceutics, food, feedstuffs, cosmetics, environment[5] |
| 604 | Detection and identification of *Staphylococcus* by culture method | SOP BAK 7/03 (Manual of Clinical Microbiology, Manual of Diagnostic Tests and Vaccines OIE) | Biological material[13], water[4], pharmaceutics, food, feedstuffs, cosmetics, environment[5] |
| 605 | Detection and identification of *Streptococcus* by culture method | SOP BAK 8/03 (Manual of Clinical Microbiology, Manual of Diagnostic Tests and Vaccines OIE) | Biological material[13], water[4], pharmaceutics, food, feedstuffs, cosmetics, environment[5] |
| 606 | Detection and identification of *Mycobacterium avium* subspecies *paratuberculosis* by culture method | SOP BAK 7/02 (Manual of Clinical Microbiology, Manual of Diagnostic Tests and Vaccines OIE) | Biological material[13] |
| 607 | Detection and identification of *Taylorella equigenitalis* by culture method | SOP BAK 9/03 (Manual of Clinical Microbiology, Manual of Diagnostic Tests and Vaccines OIE) | Biological material[13] |
| 608 | Microbiological testing of unsterile products by culture method | SOP BAK 2/03 (ČL as amended, p. 2.6.12 and 2.6.13) | Pharmaceutics, medical devices, cosmetics |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 609 | Determination of micro-organism sensitivity to antimicrobial agents by disk diffusion method | SOP BAK 10/03 (Manual of Clinical Microbiology, Manual of Diagnostic Tests and Vaccines OIE) | Biological material[13], water[4], environment[5] |
| 610 | Testing micro-organism sensitivity to antibiotics by dilution method | SOP BAK 1/05 (Manual of Clinical Microbiology, Manual of Diagnostic Tests and Vaccines OIE) | Biological material[13] |
| 611 | Detection and identification of *Campylobacter* by culture method | SOP BAK 2/04 (Manual of Clinical Microbiology, Manual of Diagnostic Tests and Vaccines OIE) | Biological material[13], water[4], pharmaceutics, food, feedstuffs, cosmetics, environment[5] |
| 612 | Detection and identification of *Clostridium* by culture method | SOP BAK 1/08 (Manual of Clinical Microbiology, Manual of Diagnostic Tests and Vaccines OIE) | Biological material[13], water[4], pharmaceutics, food, feedstuffs, cosmetics, environment[5] |
| 613 | Detection and identification of *Pseudomonadaceae* by culture method | SOP BAK 2/08 (Manual of Clinical Microbiology, Manual of Diagnostic Tests and Vaccines OIE) | Biological material[13], water[4], pharmaceutics, food, feedstuffs, cosmetics, environment[5] |
| 614 | Detection and identification of *Pasteurella* by culture method | SOP BAK 3/08 (Manual of Clinical Microbiology, Manual of Diagnostic Tests and Vaccines OIE) | Biological material[13], water[4], pharmaceutics, food, feedstuffs, cosmetics, environment[5] |
| 615 | Detection and identification of *Bacillus* by culture method | SOP BAK 4/08 (Manual of Clinical Microbiology, Manual of Diagnostic Tests and Vaccines OIE) | Biological material[13], water[4], pharmaceutics, food, feedstuffs, cosmetics, environment[5] |
| 616 | Detection and identification of *Enterococcus* by culture method | SOP BAK 5/08 (Manual of Clinical Microbiology, Manual of Diagnostic Tests and Vaccines OIE) | Biological material[13], water[4], pharmaceutics, food, feedstuffs, cosmetics, environment[5] |
| 617 | Detection and identification of *Actinobacillus* by culture method | SOP BAK 6/08 (Manual of Clinical Microbiology, Manual of Diagnostic Tests and Vaccines OIE) | Biological material[13], water[4], pharmaceutics, food, feedstuffs, cosmetics, environment[5] |
| 618 | Generic identification of bacteria by MALDI-TOF method | SOP BAK 1/10 (Bruker Daltonik manufacturer's manual) | Bacterial cultures |
| 619 | Generic identification of yeasts and moulds by MALDI-TOF method | SOP BAK 2/10 (Bruker Daltonik manufacturer's manual) | Mycological cultures |
| 620 - 699 | Reserved | | |
| 700 | Detection of *Trichinella* species by compression and digestive method | SOP PAT 4/01 (Commission Regulation (EC) No. 2075/2005, Annex No. 1) | Biological material[13] |
| 701 | Pathomorphological examination of vertebrates | SOP PAT 1/04 (Zendulka et al.: Pathologic anatomy of livestock) | Animals, organs |
| 702 | Detection of presence of varroatosis causal agents by flotation method | SOP PAT 01/11 (VLM PAR 1989) | Pulp |
| 703 | Detection of presence of varroatosis causal agents on bees and brood by washing-off and examination | SOP PAT 02/11 (VLM PAR 1989) | Bees, brood |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 704 | Detection of *Trichinella* spp. antigen by latex agglutination in muscle tissue of slaughter pigs using Trichin-L test kit | SOP PAT 1/12 | Biological material[13] |
| 705 | Histological examination using paraffin method with HE and alizarine red | SOP PAT 2/12 | Biological material[13], food, raw materials |
| 706 | Determination of *Anisakis spp.* by digestive method | SOP PAT 1/14 | Biological material[13] |
| 707* | Measurement of zoohygienic conditions – temperature, relative air humidity (by digital thermo hygrometer) | SOP PAT 3/19[19] | Environment of stables |
| 708* | Measurement of zoohygienic conditions - illuminance (by lux meter) | SOP PAT 6/19[19] | Environment of stables |
| 709* | Measurement of ammonia concentration electrochemically by Aeroqual analyzer | SOP PAT 5/19[19] | Environment of stables - air |
| 710* | Measurement of carbon dioxide concentration by IR analyzer Aeroqual | SOP PAT 4/19[19] | Environment of stables - air |
| 711 | Coprological examination of faeces by flotation method | SOP PAT 1/19 a | Faeces |
| 712 | Coprological examination of faeces by larvoscopy | SOP PAT 1/19 b | Faeces |
| 713 | Coprological examination of faeces by sedimentation method | SOP PAT 1/19 c | Faeces |

Annex:
Flexible scope of accreditation

| Ordinal numbers of tests |
|---|
| 100-158, 200-337, 400-458, 500-549, 600-619, 705 |

The Laboratory is allowed to modify the test methods listed in the Annex within the specified scope of accreditation provided the measuring principle is observed.The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

Český institut pro akreditaci, o.p.s.
NÁRODNÍ AKREDITAČNÍ ORGÁN
-3-

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

## Sampling:

| Ordinal number | Sampling procedure name | Sampling procedure identification[3] | Sampled object |
|---|---|---|---|
| 1 | Sampling of food, raw materials and feedstuffs | SOP HYG 4/05<br>(Regulation No. 211/2004 Coll.,<br>ČSN EN ISO 707,<br>ČSN 56 0080,<br>ČSN P CEN ISO/TS 17728) | Food, raw materials and feedstuffs |
| 2 | Sampling of drinking, distilled and hot water | SOP VÝŽ 1/05<br>(ČSN EN ISO 5667 -1,<br>ČSN EN ISO 19458,<br>ČSN EN ISO 5667 -3,<br>ČSN ISO 5667-5,<br>ČSN ISO 5667-11,<br>ČSN EN ISO 5667-14,<br>ČL as amended,<br>ČSN 757712,<br>ČSN ISO 11731,<br>ČSN ISO 11731-2) | Drinking, distilled and hot water |
| 3 | Sampling of clinical material, section material and environment for epizootologic purposes | SOP BAK 3/05<br>(OIE Manual) | Biological material (e.g. samples of tissue, swabs, smears, scrapings, punctate, droppings, urine) |
| 4 | Sampling and microbiological inspection of non-sterile areas | SOP BAK 2/00<br>(SÚKL Recommended procedures) | Environment[5] |

2. **DP Kroměříž**

## Tests:

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 1 | Determination of elements[18] by flame AAS | SOP CZL 1/95[19]<br>chap. 5.1.a | Food, raw materials, feedstuffs |
| 2 | Determination of elements[18] by flame AAS | SOP CZL 1/95[19]<br>chap. 5.1.b | Extracts, water[4] |
| 3 | Determination of elements[18] by flame AAS | SOP CZL 1/95[19]<br>chap. 5.1.c | Soil, waste |
| 4 | Determination of elements[18] by flame AAS | SOP CZL 1/95[19]<br>chap. 5.1.d | Biological material[13] |
| 5 | Determination of elements[18] by flame AAS | SOP CZL 1/95[19]<br>chap. 5.1.e | Cosmetic products |
| 6 | Determination of elements[18] by electrothermal AAS | SOP CZL 1/03[19]<br>chap. 5.1.a | Food, raw materials, feedstuffs |
| 7 | Determination of elements[18] by electrothermal AAS | SOP CZL 1/03[19]<br>chap. 5.1.b | Extracts, water[4] |
| 8 | Determination of elements[18] by electrothermal AAS | SOP CZL 1/03[19]<br>chap. 5.1.c | Soil, waste |
| 9 | Determination of elements[18] by electrothermal AAS | SOP CZL 1/03[19]<br>chap. 5.1.d | Biological material[13] |
| 10 | Determination of elements[18] by electrothermal AAS | SOP CZL 1/03[19]<br>chap. 5.1.e | Cosmetic products |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 11 | Determination of mercury on single-purpose analyser AMA, DMA | SOP CZL 2/95[19] | Food, raw materials, feedstuffs, biological material[13], cosmetics, soil, waste, extracts, water[4] |
| 12 | Determination of elements[18] by hydride AAS | SOP CZL 3/95[19] chap. 5.1.a | Food, raw materials, feedstuffs |
| 13 | Determination of elements[18] by hydride AAS | SOP CZL 3/95[19] chap. 5.1.b | Extracts, water[4] |
| 14 | Determination of elements[18] by hydride AAS | SOP CZL 3/95[19] chap. 5.1.c | Soil, waste |
| 15 | Determination of elements[18] by hydride AAS | SOP CZL 3/95[19] chap. 5.1.d | Biological material[13] |
| 16 | Determination of elements[18] by hydride AAS | SOP CZL 3/95[19] chap. 5.1.e | Cosmetic products |
| 17 | Determination of PCB congeners[18] by GC/ECD method | SOP CZL 4/95[19] chap. 5.1.a | Food, raw materials, feedstuffs |
| 18 | Determination of PCB congeners[18] by GC/ECD method | SOP CZL 4/95[19] chap. 5.1.b | Extracts, water[4] |
| 19 | Determination of PCB congeners[18] by GC/ECD method | SOP CZL 4/95[19] chap. 5.1.c | Soil, waste |
| 20 | Determination of PCB congeners[18] by GC/ECD method | SOP CZL 4/95[19] chap. 5.1.d | Biological material[13] |
| 21 | Determination of PCB congeners[18] by GC/ECD method | SOP CZL 4/95[19] chap. 5.1.e | Cosmetic products |
| 22 | Determination of organochlorine pesticides[18] by GC/ECD method | SOP CZL 5/95[19] chap. 5.1.a | Food, raw materials, feedstuffs, baby food |
| 23 | Determination of organochlorine pesticides[18] by GC/ECD method | SOP CZL 5/95[19] chap. 5.1.b | Extracts, water[4] |
| 24 | Determination of organochlorine pesticides[18] by GC/ECD method | SOP CZL 5/95[19] chap. 5.1.c | Soil, waste |
| 25 | Determination of organochlorine pesticides[18] by GC/ECD method | SOP CZL 5/95[19] chap. 5.1.d | Biological material[13] |
| 26 | Determination of organochlorine pesticides[18] by GC/ECD method | SOP CZL 5/95[19] chap. 5.1.e | Cosmetic products |
| 27 | Determination of pyrethroids by GC/ECD method | SOP CZL 1/01[19] chap. 5.1.a | Food, raw materials, feedstuffs |
| 28 | Determination of pyrethroids[18] by GC/ECD method | SOP CZL 1/01[19] chap. 5.1.b | Extracts, water[4] |
| 29 | Determination of pyrethroids[18] by GC/ECD method | SOP CZL 1/01[19] chap. 5.1.c | Soil, waste |
| 30 | Determination of pyrethroids[18] by GC/ECD method | SOP CZL 1/01[19] chap. 5.1.d | Biological material[13] |
| 31 | Determination of pyrethroids[18] by GC/ECD method | SOP CZL 1/01[19] chap. 5.1.e | Cosmetic products |
| 32 | Determination of organophosphorous pesticides[18] by GC/FPD method | SOP CZL 1/98[19] chap. 5.1.a | Food, raw materials, feedstuffs, baby food |
| 33 | Determination of organophosphorous pesticides[18] by GC/FPD method | SOP CZL 1/98[19] chap. 5.1.b | Extracts, water[4] |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 34 | Determination of organophosphorous pesticides[18] by GC/FPD method | SOP CZL 1/98[19] chap. 5.1.c | Soil, waste |
| 35 | Determination of organophosphorous pesticides[18] by GC/FPD method | SOP CZL 1/98[19] chap. 5.1.d | Biological material[13] |
| 36 | Determination of organophosphorous pesticides[18] by GC/FPD method | SOP CZL 1/98[19] chap. 5.1.e | Cosmetic products |
| 37 | Determination of methanol and other alcohols, aldehydes, cetones and esters[18] by GC/FID method | SOP CZL 1/99[19] chap. 5.1.a | Food, raw materials |
| 38 | Determination of methanol and other alcohols, aldehydes, cetones and esters[18] by GC/FID method | SOP CZL 1/99[19] chap. 5.1.b | Water[4] |
| 39 | Determination of methanol and other alcohols, aldehydes, cetones and esters[18] by GC/FID method | SOP CZL 1/99[19] chap. 5.1.c | Cosmetic products |
| 40 | Determination of benzene, toluene, xylene and ethylbenzene by GC/FID method | SOP CZL 2/99[19] chap. 5.1.a | Food, raw materials |
| 41 | Determination of benzene, toluene, xylene and ethylbenzene by GC/FID method | SOP CZL 2/99[19] chap. 5.1.b | Extracts, water[4] |
| 42 | Determination of benzene, toluene, xylene and ethylbenzene by GC/FID method | SOP CZL 2/99[19] chap. 5.1.c | Soil, waste |
| 43 | Determination of benzene, toluene, xylene and ethylbenzene by GC/FID method | SOP CZL 2/99[19] chap. 5.1.d | Cosmetic products |
| 44 | Determination of halogenated hydrocarbons[18] by GC/ECD method | SOP CZL 3/99[19] chap. 5.1.a | Soil, waste |
| 45 | Determination of halogenated hydrocarbons[18] by GC/ECD method | SOP CZL 3/99[19] chap. 5.1.b | Raw materials |
| 46 | Determination of halogenated hydrocarbons[18] by GC/ECD method | SOP CZL 3/99[19] chap. 5.1.c | Extracts, water[4] |
| 47 | Determination of phthalate[18] by GC/ECD method | SOP CZL 4/99[19] chap. 5.1.a | Spirits |
| 48 | Determination of phthalate[18] by GC/ECD method | SOP CZL 4/99[19] chap. 5.1.b | Water[4] |
| 49 | Determination of sterols (cholesterol) by GC-MS and GC/FID method | SOP CZL 1/04[19] chap. 5.1.a | Food, raw materials, feedstuffs |
| 50 | Determination of sterols (cholesterol) by GC-MS and GC/FID method | SOP CZL 1/04[19] chap. 5.1.b | Biological material[13] |
| 51 | Determination of composition of fatty acids[18] by GC/FID method | SOP CZL 2/04[19] chap. 5.1.a | Food, raw materials, feedstuffs |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 52 | Determination of composition of fatty acids[18] by GC/FID method | SOP CZL 2/04[19] chap. 5.1.b | Biological material[13] |
| 53 | Determination of triglycerides by GC/FID method – detection of foreign fat in milk fat | SOP CZL 1/05[19] chap. 5.1.a | Food, raw materials |
| 54 | Determination of triglycerides[18] by GC/FID method | SOP CZL 1/05[19] chap. 5.1.b | Cosmetic products |
| 55 | Determination of ethyl carbamate by GC-MS method | SOP CZL 1/06[19] | Alcohol, spirits, wine, beer |
| 56 | Determination of selenium species[18] by HPLC/ICP-MS, HPLC/ICP-QQQ methods | SOP CZL 1/14[19] | Food, raw materials, feedstuffs |
| 57 | Determination of amitraz by GC-MS method | SOP CZL 1/07[19] | Honey, bee products and honey products, eggs and egg products |
| 58 | Determination of tau-fluvalinate by GC-MS method | SOP CZL 2/07[19] | Honey, bee products and honey products |
| 59 | Determination of carbamate (carbofuran) by GC/NPD method | SOP CZL 3/07[19] chap. 5.1.a | Food, raw materials |
| 60 | Determination of carbamate (carbofuran) by GC/NPD method | SOP CZL 3/07[19] chap. 5.1.b | Biological material[13] |
| 61 | Determination of pesticides[18] and PCB[18] by GC/QQQ method | SOP CZL 2/14[19] | Food, raw materials |
| 62 | Determination of iodine by ICP-MS, ICP-QQQ method | SOP CZL 2/17[19] chap.6.3 | Food, raw materials |
| 63 | Determination of iodine by ICP-MS, ICP-QQQ method | SOP CZL 2/17[19] chap.6.4 | Water |
| 64 | Determination of iodine by ICP-MS, ICP-QQQ method | SOP CZL 2/17[19] chap.6.5 | Biological material |
| 65 | Determination of mercury species[18] by HPLC/ICP-MS, HPLC/ICP-QQQ methods | SOP CZL 2/08[19] | Fish meat, fish products, fish meal |
| 66 | Determination of glyceroltriheptanoate (GTH) by GC-MS method | SOP CZL 3/08[19] | Bone powder and carcass disposal fat |
| 67 | Determination of arsenic species[18] by HPLC/ICP-MS HPLC/ICP-QQQ methods | SOP CZL 4/08[19] chap. 5.1.a | Foodstuffs |
| 68 | Determination of arsenic species[18] by HPLC/ICP-MS HPLC/ICP-QQQ methods | SOP CZL 4/08[19] chap. 5.1.b | Feedstuffs |
| 69 | Determination of menthol and cineole by GC/FID method | SOP CZL 1/09[19] | Sweets |
| 70 | Determination of fat by gravimetry | SOP CZL 2/11[19] | Food, raw materials |
| 71 | Determination of fat by butyrometry | SOP CZL 3/11[19] | Milk, milk products |
| 72 | Determination of dry matter and water content by gravimetry | SOP CZL 1/12[19] | Food, raw materials, feedstuffs |
| 73 | Determination of organic acids by GC/FID method | SOP CZL 2/12[19] | Food, feedstuffs |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 74 | Determination of elements[18] by ICP-QQQ method | SOP CZL 1/17[19] chap.6.3 | Food, raw materials |
| 75 | Determination of elements[18] by ICP-QQQ method | SOP CZL 1/17[19] chap.6.2 | Water[4] |
| 76 | Determination of elements[18] by ICP-QQQ method | SOP CZL 1/17[19] chap.6.4 | Biological material[13] |
| 77 | Determination of elements[18] by ICP-OES method | SOP CZL 2/19[19] | Food, raw materials, feedstuffs,, water[4], soil, waste, biological material[13] |
| 78 | Determination of zinc phosphide as phosphane by GC/FPD method | SOP CZL 3/19[19] | Raw materials, feedstuffs, biological material[13] |

Annex:
Flexible scope of accreditation

| Ordinal numbers of tests |
|---|
| 1 -78 |

The Laboratory is allowed to modify the test methods listed in the Annex within the specified scope of accreditation provided the measuring principle is observed.

The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

3. **DP Brno**

**Tests:**

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 1-800 | Reserved | | |
| 801 | Detection of *Trichinella* species by compression and digestive method | SOP PAT 4/01 (Commission Regulation (EC) No. 2075/2005, Annex No. 1) | Biological material[13] |

4. **DP Bučovice**

**Tests:**

| Ordinal number[1] | Test procedure/ method name | Test procedure/ method identification[2] | Tested object |
|---|---|---|---|
| 1-849 | Reserved | | |
| 850 | Detection of *Trichinella* species by compression and digestive method | SOP PAT 4/01 (Commission Regulation (EC) No. 2075/2005, Annex No. 1) | Biological material[10] |

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

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

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

[4] drinking, surface, bottled, suckling, distilled, demineralized water

[5] smears and prints from surfaces and equipment, air samples

[6] any individual item which comes into contact with food or may be probable source of food contamination, e.g. material, manufacturing premises, workers

[7] meat, meat products, processed cheese, mayonnaise, fats and oils, baker's products, butter

[8] milk, liquid and dry milk products, cottage cheese, cheese, spreads, fish, fish products, mayonnaise, dough products, semi-finished products and products from fruit and vegetables, casein, dehydrated products and flavouring agents, honey

[9] meat, meat products, heat-processed food in hermetically sealed containers, fruit and vegetable products, casein, starch, sugar products, milk, liquid, dried, concentrated milk products, cheese, cottage cheese, creams, spreads, meat products and sterilized food

[10] milk, cream, liquid, fermented milk products, yoghurt, cheese, dried milk, condensed sweetened and not sweetened milk, casein, meat products, canned meat, fruit and vegetable semi-products and products, frozen products, baker's products, mayonnaise, miller's products, dehydrated products and flavouring agents, fats and oils, roasted ground coffee, coffee and chicory extracts, sugar products, oil seeds, cereals, flour, water content in portioned poultry meat, water content in frozen chickens, dried fruit, egg melange, confectionery and pastry, yeasts, dry shell fruits and seeds

[11] meat and meat products, baker's products, frozen products, dehydrated products and flavouring agents, mayonnaise, butter, oilseeds, milk and milk products, cream, skimmed milk, whey, buttermilk, dried milk and dried milk products, unsweetened concentrated and sweetened concentrated milk, frozen creams, ice creams, miller's products, cheese and processed cheese products, confectionery and pastry, baker's products, confectionery and pastry, baker's products

[12] milk and milk products, dried and concentrated milk products, cream, liquid milk products, yogurts, cheese, cottage cheese, spreads

[13] section material, clinical material, microbiological cultures

[14] baker's and miller's products, cheese, cottage cheese, spreads, fruit and vegetable products, spices and seasonings, fats and oils, meat and meat products and canned meat products and ready-made meals, dehydrated products and flavouring agents, cereals and pulses and products from them

[15] milk and liquid dairy products, dried and concentrated milk products, cheese, cottage cheese, creams, spreads, confectionery products, dried milk, frozen dairy products, canned semi-finished products and fruit and vegetable products, soft drinks, baker's and miller's products, sugar factory products, mayonnaise, pastry, confectionery and biscuits, meat and meat products

[16] milk and milk products, baker's and miller's products, cheese, cottage cheese, creams, spreads, dehydrated products and flavouring agents, dried milk and dried milk products, starch, casein, starch and starch derivatives, meat and meat products and canned sterilised products, cereals, pulses, oil plants and products made of them

[17] smears and prints from surfaces and equipment

[18] See TABLE 1 - RANGE OF DETERMINED PARAMETERS

[19] See TABLE 2 - TEST PROCEDURE/METHOD IDENTIFICATION

EXPLANATIONS:
AAS - atomic absorption spectrometry
AMA - analyzer for direct determination of mercury
BAK - abbreviation for Special Microbiology department
CRL – methods provided by a community reference laboratory
ČL – Czech Pharmacopoeia
DMA - analyzer for direct determination of mercury
ELISA – enzyme-linked immunosorbent assay
GC/FID – Gas Chromatography with Flame Ionization Detector
GC/ECD – Gas Chromatography with Electron Capture Detector

Český institut pro akreditaci, o.p.s.
-3-

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

GC/FPD – Gas Chromatography with Flame Photometric Detector
GC/NPD – Gas Chromatography with Nitrogen Phosphorus Detector
GC/MS - Gas Chromatography/Mass Spectrometry
GC/QQQ – Gas Chromatography with Mass Detector – triple quadrupole
HPLC/DAD- high-performance liquid chromatography with diode array detector
HPLC/ELSD - high-performance liquid chromatography with Evaporative Light Scattering Detector
HPLC/FLD- high-performance liquid chromatography with fluorescent detector
HPLC/MS/MS- high-performance liquid chromatography with multiple mass detection
HYG - abbreviation for Food Hygiene department
ICP-MS – inductively coupled plasma mass spectrometry
ICP-OES – inductively coupled plasma optical emission spectrometry
ICP-QQQ – triple quadrupole inductively coupled plasma mass spectrometry
IPMA- ionoform polyetheric monocarboxylic acids
ITP – isotachophoresis
MALDI – TOF – Matrix Assisted Laser Desorption/Ionization –Time-Of-Flight
MRSA – methicillin resistant *Staphylococcus aureus*
MN – guideline issued by the respective organization
NRL – methods provided by a national reference laboratory
OIE - World Organisation for Animal Health
PAT – abbreviation for Pathologic Morphology Department
PCB – Polychlorinated Biphenyls
PCR – polycyclic chain reaction
RIA – radioimmunoanalysis
SOP – standard operating procedure developed on the basis of standards, technical publications or manufacturers' manuals
SÚKL - State Institute for Drug Control, Prague
SÚRO – National Radiation Protection Institute
TLC – thin-layer chromatography
TNV - branch technical standard
ÚKZUZ – methods provided by Central Institute for Supervising and Testing in Agriculture
ÚSKVBL – methods provided by Institute for State Control of Veterinary Biologicals and Medicines
VLM HP – Veterinary laboratory methods for hygiene of food
VLM CHP - Veterinary laboratory methods for chemistry of food
VLM PAR – Veterinary laboratory methods for parasites
VÚ – methods provided by a research institute
VÝŽ - abbreviation for Feedstuffs department
ÚSVÚ reports – methods published by former Central Veterinary Institute

TABLE 1 - RANGE OF DETERMINED PARAMETERS

| Test ord. no. | List of analytes |
|---|---|
| 1-5 | Cadmium, lead, copper, zinc, nickel, chromium, manganese, iron, aluminium, calcium, magnesium, tin, cobalt, sodium, potassium |
| 6-10 | Cadmium, lead, copper |
| 12-16 | Arsenic, selenium |
| 17-21 | PCB congeners 28, 52, 101, 118, 138, 153 and 180 |
| 22-26 | HCB; p,p-DDE; p,p-DDD; o,p-DDT; p,p- DDT; o,p-DDE; o,p-DDD; α-HCH; β-HCH; γ-HCH; δ-HCH; ε-HCH; aldrin; isodrin; cis-heptachloroepoxide; trans-heptachloroepoxide; dieldrin; cis-chlordan; trans-chlordan; oxy-chlordan; endosulfan I; endosulfan II; endosulfan-sulphate; heptachlor, methoxychlor, endrin, mirex, toxaphen P26, P50 a P62, nitrofen, terbufos; terbufos-sulfone; terbufos-sulfoxide; fipronil; fipronil-desulfinyl, chlorobenzilate, chintozen, tecnazen, fipronil-sulfone, endrin-ketone, vinclozolin |
| 27-31 | Cypermethrin, deltamethrin, cis-permethrin, trans-permethrin, tetramethrin, cyfluthrin, fenvalerate, τ-fluvalinate, λ-cyhalothrin, bifenthrin, resmethrin, fenpropathrin, esfenvalerate |
| 32-36 | Dichlorvos, phorate, dimethoate, diazinon, chlorpyriphos-methyl, pirimiphos-methyl, fenchlorphos, malathion, chlorpyriphos, parathion, coumaphos, methacriphos, phosphamidon, fenitrothion, disulfoton, disulfoton-sulfone, disulfoton-sulfoxide, fensulfothion, fensulfothion-oxon, fensulfothion-oxon-sulfone, fensulfothion-sulfone, omethoate, cadusafos, demeton-S-methyl, demeton-S-methyl sulfone, demeton-S-methyl sulfoxide, ethoprophos, azinphos-ethyl, fenthion, methidation, prophenophos, pyrazophos, triazophos, malaoxon, phorat-oxon, phorat-sulfone, azinphos-methyl, ethion, etrimphos, fenthion-oxon, fenthion-sulfone, fenthion-sulfoxide, formothion, methamidophos, paraoxon-methyl, parathion-methyl, sulfotep, fenthion-oxon-sulfone, fenthion-oxon-sulfoxide, phorat-oxon-sulfone, phosmet, chlorfenvinphos |
| 37-39 | Ethanol, methanol, 1-propanol, 2-propanol, 2-methyl-1-propanol, 1-butanol, 2-methyl-1-butanol, 3-methyl-1-butanol, acetaldehyde, acetone, ethyl acetate, furfural |
| 44-46 | Chloroform, tetra-chloromethane, dichloromethane, trichloroethylene, bromoform, tetrachloroethylene, 1,2-dichloroethane, 1,2- dichloroethene, bromodichloromethane, dibromochloromethane |
| 47-48 | Di-n-butylphthalate, bis-(2-ethylhexyl)phthalate |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| Test ord. no. | List of analytes |
|---|---|
| 51-52 | C4:0, C6:0, C8:0, C10:0, C11:0, C12:0, C13:0, C14:0, C14:1, C15:1, C16:0, C16:1, C17:0, C17:1, C18:0, C18:1n9t, C18:1n9c, C18:2n6t, C182n6c, C20:0, C18:3n3, C21:0, C20:2, C22:0, C20:3n6, C22:1n9, C20:3n3, C20:4n6, C23:0, C22:2, C24:0, C20:5n3, C24:1, C22:6n3, C18:1n11t, C18:1n11c, C22:5n3 |
| 53-54 | C24, C26, C28, C30, C32, C34, C36, C38, C40, C42, C44, C46, C48, C50, C52, C54 |
| 56 | Seleno-DL-methionin, L-Selenocystin, Methyl-seleno-L-cystein, inorganic selenium (selenite, selenate) |
| 61 | Sum of congeners and PCB congeners 28, 52, 101, 138, 153, 180; HCB; p,p-DDE; p,p-DDD; o,p-DDT; p,p- DDT; α-HCH; β-HCH; γ-HCH; aldrin; cis-heptachloroepoxide; trans-heptachloroepoxide; dieldrin; cis-chlordan; trans-chlordan; oxy-chlordan; endosulfan I; endosulfan II; endosulfan-sulfate; heptachlor, endrin, chlorpropham, indoxacarb, famoxadon, fluquinconazole, tetraconazole, boscalid, etofenprox |
| 65 | Inorganic bivalent mercury, methyl mercury |
| 67-68 | Arsenobetain, trivalent inorganic arsenic, pentavalent inorganic arsenic, monomethylarsenic acid, dimethylarsenic acid |
| 73 | Lactic acid, 3-hydroxybutyric acid, amber acid |
| 74-76 | antimony, arsenic, barium, beryllium, boron, tin, aluminum, chromium, cadmium, cobalt, manganese, copper, molybdenum, nickel, lead, palladium, selenium, silver, thallium, vanadium, zinc, iron |
| 77 | sulfur, phosphorus, arsenic, cadmium, lead, aluminium, cobalt, chromium, copper, iron, manganese, molybdenum, nickel, selenium, zinc, calcium, potassium, magnesium, sodium, beryllium, vanadium |
| 143 | *Lactobacillus delbrueckii* subs. *bulgaricus*, *Streptococcus thermophilus* |
| 203 | °SH, acidity as % of acetic, lactic, citric acid |
| 208 | Dry matter (test no. 207), ash (test no. 211), protein (test no. 210), fat (test no. 208), TDF fibre (test no. 212) |
| 210 | Protein, pure myosin, meat and water content in meat products, fish, poultry and meat semi-products |
| 212 | Rough fibre, fibre TDF |
| 213 | Saccharose, lactose, maltose, invert |
| 217-218 | Benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, indeno(1,2,3-c,d)pyrene, dibenzo(a,i)pyrene, dibenzo(a,h)pyrene, benzo(ghi)perylene, fluoranthene , PAH sum [benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(a)pyrene] |
| 219 | Benzoic acid, sorbic acid, potassium sorbate, sodium benzoate |
| 225-226 | Sulfadiazin, sulfathiazol, sulfamerazin, sulfadimidin, sulfamethoxydin, sulfachlorpyridazin, sulfadoxin, sulfamethoxazol, sulfaquinoxalin, sulfadimethoxin |
| 227-228 | E102 (Tartrazine), E104 (Quinoline yellow), E110 (Yellow SY), E120 (Cochineal, carminic acid, carmines), E122 (Azorubine), E123 (Amarant), E124 (Ponceau 4R), E128 (Red 2G), E129 (Red Allura AC), E131 (Patent blue V), E132 (Indigotin), E133 (Brilliant blue), E151 (Black BN) |
| 229-230 | E102 (Tartrazine), E104 (Quinoline yellow), E110 (Yellow SY), E120 (Cochineal, carminic acid, carmines), E122 (Azorubine), E123 (Amarant), E124 (Ponceau 4R), E128 (Red 2G), E129 (Red Allura AC), E131 (Patent blue V), E132 (Indigotin), E133 (Brilliant blue), E151 (Black BN) |
| 238-239 | Doramectin, moxidectin, ivermectin, oxfendazol, levamisole |
| 248-249 | Deoxynivalenol, zearalenon, T2/HT 2 toxin, fumonisins, aflatoxins B, G |
| 250-251 | Streptomycin, chloramphenicol |
| 260 | Danofloxacin, enrofloxacin, oxolinic acid, flumequine, ciprofloxacin, difloxacin, marbofloxacin |
| 287-288 | Sucrose, glucose, fructose, lactose, maltose + sum of sugars by calculation |
| 289-290 | Aminoglycosides, macrolides, sulfonamides, betalactam ATB, tetracyclines |
| 291-292 | Diclazuril, halofuginon, lasalocid, maduramicin, monensin, narasin, nicarbazin, robenidin, salinomycin, decoquinat |
| 293 | Salinomycin, monensin, narasin |
| 294 | Flunixine, diclofenac, oxyphenbutazone, phenylbutazone, ibuprofen, tolfenamic acid, meloxicam,carprofen, mefenamic acid |
| 302 | Sugars as saccharose - aaccharose, lactose, maltose, invert |
| 303 | Chlorotetracycline, oxytetracycline, tetracycline, doxycycline |
| 304 | Malachite green, leucomalachite green, crystal violet, leucocrystal violet, brilliant green, methylene blue |
| 305 | Abamectin, doramectin, ivermectin, moxidectin, emamectin, eprinomectin, levamisole |
| 310-311 | butylhydroxyanisol (BHA), butylhydroxytoluene (BHT) |
| 317 | Beta-lactoglobulin, eggs, casein, peanut and hazelnut protein, almonds, mustard, milk protein, sesame, crustaceans |
| 325 | Citric, propionic acid |
| 326 | Nitrogenous substances / gross protein (test no. 300), fat (test no. 326), starch (test no. 301), sugar (test no. 302) |
| 334 | Methomyl, methiocarb, carbofuran, propoxur, aldicarb, carbaryl |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

TABLE 2 - REFERENCE DOCUMENTS

| Test ordinal number | Reference documents |
|---|---|
| 1 - 5 | AOAC Official Method 999.11; AOAC Official Method 999.10 ; ČSN EN 15505; PerkinElmer product literature |
| 6-10 | AOAC Official Method 999.11; AOAC Official Method 999.10; ČSN EN ISO 15586; PerkinElmer product literature |
| 11 | EPA Method 7473; ČSN 75 7440; Milestone and Altec product literature |
| 12-16 | ČSN EN 14546; ČSN EN 14627; PerkinElmer product literature |
| 17-26 | EPA 8082A; EPA 8081B; Agilent Technologies product literature |
| 27-31 | AOAC Official Method 998.01; Agilent Technologies product literature |
| 32-36 | EPA 8141B; Agilent Technologies product literature |
| 37-39 | ČSN 560210 – Testing methods for alcoholic beverages; ČSN 660805 – Methods of test for spirit; Agilent Technologies product literature |
| 40-46 | EPA 5021A; Agilent Technologies product literature |
| 47-48 | EPA 8061A; Agilent Technologies product literature |
| 49-50 | ČSN EN ISO 3596-1 (58 8782); Agilent Technologies product literature |
| 51-52 | ČSN ISO 5509; ČSN EN ISO 5509 (58 8767) ; Agilent Technologies product literature |
| 53-54 | ČSN EN ISO 17678; Agilent Technologies product literature |
| 55 | AOAC Official Method 994.07; Agilent Technologies product literature |
| 56 | Microchemical Journal 84, 56–62 (2006); Agilent Technologies product literature |
| 57 | Rejtar L. et al.: Standardní operační postup Ch 42/SOP63-Stanovení amitrazu ve vzorcích medu metodou GC/MS, ÚSKVBL Brno 2002; M. Caldow, R. J. Fussell, F. Smith, M. Sharman: Development and validation of a method for the analysis of total amitraz in fruit and honey with quantification by gas chromatography-mass spectrometry, Food Additives and Contaminants, 2007, 24(03), pp. 280-284; Agilent Technologies product literature |
| 58 | AOAC Official Method 998.01; Agilent Technologies product literature |
| 59-60 | AOAC Official Method 975.40; Agilent Technologies product literature |
| 61 | Agilent Technologies application note: A Method for the Trace Analysis of 175 Pesticides Using the Agilent Triple Quadrupole GC/MS/MS; Agilent Technologies product literature |
| 62-64 | ČSN EN 15111; ČSN EN 17 050; EAM 4.13; Agilent Technologies product literature |
| 65 | J. Anal. At. Spectrom., 2002, 12, 1560; Agilent Technologies product literature |
| 66 | JRC IRRM, C. von Holst et al.: Determination of glyceroltriheptanoate (GTH) in processed animal by-products by gas chromatography; Agilent Technologies product literature |
| 67-68 | ČSN EN 16802; AOAC SMPR 2015.006; Agilent Technologies product literature; J.A.Brisbin, C.B´Hymer, J.A.Caruso: Talanta, 2002, 58, 133: A gradient anion exchange chromatographic method for the speciation of arsenic in lobster tissue extracts; PerkinElmer Sciex - Application note: Speciation of five arsenic compounds in urine by HPLC-ICP-MS; Software manual ELAN Version 3.3; Hardware manual ELAN DRC-e; User manual Chromera Software |
| 69 | Journal of Chromatography A, 954 (2002)207-215; Agilent Technologies product literature |
| 70 | ČSN ISO 1444, ČSN 56 0116-6, ČSN 56 0290-6 , ČSN 58 0703-6, ČSN 58 0170-5, ČSN EN ISO 17189, ČSN EN ISO 659, ČSN EN ISO 1211, ČSN EN ISO 2450, ČSN EN ISO 7208, ČSN EN ISO 1737, ČSN EN ISO 7328, ČSN ISO 1443, ČSN 56 0512-18, ČSN 560116-6, ČSN 57 0530, ČSN 560146-4, ČSN EN ISO 1735, ČSN EN ISO 1736 |
| 71 | ČSN ISO 2446, ČSN 57 0105-4, ČSN 57 0530, ČSN ISO 11870 |
| 72 | ČSN 46 7092-3, ČSN EN ISO 5537, ČSN EN ISO 5534, ČSN EN ISO 665, ČSN EN ISO 662, ČSN ISO 6540, ČSN ISO 7513, ČSN EN ISO 712, ČSN ISO 1573, ČSN ISO 11294, ČSN ISO 3728, ČSN ISO 6734, ČSN ISO 6731, ČSN 46 1011-20, ČSN 58 0703-5, ČSN 58 0170-4, ČSN 58 0110, ČSN 56 0290-4, ČSN 56 0246-10, ČSN 56 0520-6, ČSN 57 0190, ČSN 57 6021, ČSN EN ISO 3727-1, ČSN 57 0105-13, ČSN 57 0105-3, ČSN 57 2301, ČSN ISO 13580 |
| 73 | Deutsche Lebensmittel-Rundschau, 83.Jahrg., Heft 2, 1987; Agilent Technologies product literature |
| 74-76 | ČSN EN 15763; ČSN EN 17 053; ČSN EN 13805; EPA Method 200.8; Agilent Technologies product literature |
| 77 | ČSN EN 16943; ČSN EN 15621; ČSN EN ISO 11885; Agilent Technologies product literature |
| 78 | J. Corley, J. Kahl, D. Burkhart, E. Diaz and G. Möller: Rapid Zinc Phosphide Trace Analysis in Agricultural Commodities by Phospine Generation, Toluene Trapping and Gas Chromatography, J. Agric. Food Chem. 1998, 46, 999-1004; Agilent Technologies product literature |
| 202 | ČSN ISO 1841-1,ČSN 57 0107-12:1982,ČSN 58 0170-7,ČSN 58 8770:1982, ČSN 56 0116-5, ČSN ISO 1738 |
| 203 | ČSN 57 0530, ČSN 57 0105-8:1981, ČSN 57 0107, ČSN 57 0146, ČSN 58 0170-6,ČSN 56 0115, ČSN 56 0246-13, ČSN 57 0111-8, ČSN 58 0703 -10, ČSN 570190 |
| 205 | ČSN ISO 11289, ČSN ISO 1842, ČSN 57 0111-12, ČSN 56 0160-4, ČSN 57 0107, ČSN 57 0166:1985, ČSN 57 0530, ČSN 57 0105, ČSN ISO 2917 |

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

**Státní veterinární ústav Olomouc**

SVÚ Olomouc Laboratories

Jakoubka ze Stříbra 462/1, 779 00 Olomouc

| | |
|---|---|
| 207 | ČSN ISO 6731, ČSN 57 0104-3:1984, ČSN 57 0530, ČSN 570107 -3: 1987, ČSN EN ISO 3727-1, ČSN 57 0105-13, ČSN 57 0105-3, ČSN ISO 6734, ČSN 57 0111-3, ČSN 57 6021, ČSN 56 0246-10, ČSN 56 0290-4, ČSN 56 0116-3, ČSN 58 0170-4, ČSN 56 0512-7:1993, ČSN 58 0703-5, ČSN ISO 11294, ČSN 56 0160-3, ČSN EN ISO 665, ČSN EN ISO 5534, ČSN 580114:2001, ČSN 463096, ČSN 572301, ČSN 560146-3, ČSN 560188, Commission Regulation (EC) No.273/2008, Commission Regulation (EC) No. 687/2008, Commission Regulation (EC) No. 543/2008 idt., ČSN 57 3100: 2002, ČSN 560232 |
| 208 | ČSN ISO 1444, ČSN 56 0116-6, ČSN 56 0290-6 , ČSN 58 0703-6, ČSN 58 0170-5, ČSN EN ISO 17189, ČSN EN ISO 659, ČSN EN ISO 1211, ČSN EN ISO 2450, ČSN EN ISO 7208, ČSN EN ISO 1736, ČSN EN ISO 1737, ČSN EN ISO 7328, ČSN ISO 1443, ČSN 56 0512-18:1995, ČSN 560116-6, ČSN EN ISO 1735, ČSN 57 0530, ČSN 560146-4 MoA CR Regulation No. 450/2004 Coll. |
| 211 | ČSN 56 0116-4, ČSN ISO 763, ČSN 57 0107, ČSN ISO 928, ČSN ISO 930, ČSN 58 8760, ČSN 57 0185:1989, ČSN 56 0512-8:1993, ČSN ISO 936, ČSN 58 0703-11, ČSN ISO 2171 |
| 212 | ČSN ISO 5498, ČSN ISO 6541, Journal of AOAC International 75 (3), 395-416 (1992) |
| 213 | ČSN 57 0530, ČSN 57 0105, ČSN 57 0106, ČSN 56 0246-18, ČSN 56 0240-8, ČSN 56 0116-7, ČSN 56 0512-13, ČSN 56 0130-5, ČSN 57 0107, ČSN 570157:1986, ČSN 560146-5, ČSN 560512-15, ČSN 560512-16 |
| 215 | ČSN ISO 2446, ČSN 57 0105-4, ČSN 57 0530, ČSN ISO 3433, ČSN ISO 11870 |
| 220 | adopted method by VŠCHT Prague – Department of Food preservation - Procedure for determination of collagen |
| 310-311 | Bahruddin Saad, Yong Yek Sing, Mohd Asri Nawi, NoorHasani Hashim, Abdussalam Salhin Mohamed Ali, Muhammad Idiris Saleh, Shaida Fariza Sulaiman, Khairuddin Md Talib, Kamarudzaman Ahmad: Determination of synthetic phenolic antioxidants in food items using reversed-phase HPLC. Food Chemistry 105 (2007), page 389-394 |
| 313-314 | Turnipseed ., Casey CH., Nochetto C., Heller D. N.: Determination of Melamine and Cyanuric Acid Residues in Infant Formula using LC-MS/MS, Laboratory Information Bulletin No. 4421, 24 (2008), US FDA/CFSAN; Rapid Determination of Melamine in Liquid Milk and Milk Powder by HPLC on the Acclaim Mixed-Mode WCX-1 Column with UV detection, DIONEX, Application Note 221 |
| 324 | H.T.Rönning: Determination of chloramphenicol residues in meat, seafood, egg, honey, milk, plasma and urine with liquid chromatography –tandem mass spectrometry and the validation of the method based on 2002/657/EC. Journal of Chromatography A, Volume 1118, Issue 2, 23 June 2006, Pages 226-233 |
| 325 | Rodrigo Scherer et al.: Validation of a HPLC method for simultaneous determination of main organic acids in fruits and juices. Food chemistry, Volume 135, Issue 1, 1 November 2012, Pages 150-154 |
| 326 | MoA CR Regulation No. 356/2008 Coll. |
| 329 | Operating Instructions CryoStar automatic, Funke-Dr.N.Gerber Labortechnik GmbH (ČSN EN ISO 7564) |
| 336-337 | Quick Method for the Analysis of Numerous Highly Polar Pesticides in Foods of Plant Origin via LC MS/MS. Involving Simultaneous Extraction with Methanol (QuPPe Method). EU Reference Laboratory for pesticides requiring Single Residue Methods (EURL-SRM). Method 1.6. Glyphosate & Co. on Torus DEA.<br>Waters Application Note: 1.Determination of Glyphosate, Glufosinate and their Relevant Metabolites in Soybean Extracts Using UPLC-MS/MS with the Torus DEA Column.<br>2. Determination of Anionic Polar Pesticide in High Water Foodstuffs |
| 707-710 | Zásady provádění měření hodnot stájového mikroklimatu v chovech kuřat na maso podle Směrnice Rady 2007/43/ES, 2nd edition, 2014 (ÚVS SVS ČR) |

Český institut pro akreditaci, o.p.s.
NÁRODNÍ AKREDITAČNÍ ORGÁN
-3-