

**The Appendix is an integral part of
Certificate of Accreditation No. 366/2024 of 24/07/2024**

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

Centrální laboratoř, s.r.o.
CAB number 1481, Testing Laboratory
Čekanice 207, 390 02 Tábor

Detailed information on activities within the scope of accreditation (determined analytes) is given in the section „Specification of the scope of accreditation“.

Tests:

Ordinal number¹	Test procedure / method name	Test procedure / method identification²	Tested subject	Degrees of freedom³
1	Determination of moisture content by gravimetry	SOP No.1 (JPP ÚKZÚZ - procedure No. 10002.1; ČSN EN ISO 1666; ČSN EN ISO 712; ČSN EN ISO 6540; ČSN EN ISO 665; ČSN EN ISO 662, cl. 8; ČSN 56 0116-3; ČSN 56 0130-3, method A, method B; ČSN 56 0146-3; ČSN 57 6021)	Food, feed and agricultural products	-
2	Determination of nitrogenous substances according to Kjeldahl	SOP No.2 (JPP ÚKZÚZ – procedure No. 10011.1; ČSN ISO 1871; ČSN 46 1011-18)	Food, feed and agricultural products	-
3	Determination of fat content after extraction by gravimetry	SOP No.3 (JPP ÚKZÚZ – procedure No. 10059.1 and No. 10060.1; ČSN ISO 1444; ČSN 56 0116-6; ČSN 56 0130-6; ČSN 56 0146-4)	Food, feed and agricultural products	-
4	Determination of fibre content by Henneberg-Stohmann method	SOP No. 4 (according to CR (EC) 152/2009; ČSN ISO 5498)	Food, feed and agricultural products	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
5	Determination of ash content by gravimetry	SOP No. 5 (JPP ÚKZÚZ – procedure No. 10004.1; ČSN EN ISO 3593; ČSN EN ISO 2171; ČSN ISO 928; ČSN 56 0115, cl. 29; ČSN 56 0116-4; ČSN 56 0146-6; ČSN 56 0246-11; ČSN 56 0512-8:1993; ČSN 58 0703-11; ČSN 58 8760:1994)	Food, feed and agricultural products	-
6	Determination of total phosphorus by spectrophotometry	SOP No. 6 (JPP ÚKZÚZ – procedure No. 10128.1)	Feed and agricultural products	-
7	Determination of the content of macro- and micro- elements by FAAS method (Ca, Mg, Na, K, Cu, Zn, Mn, Fe)	SOP No. 7 (JPP ÚKZÚZ – procedure No. 10135.1 and No. 10325.1; ČSN EN 14084; ČSN EN 14083; ČSN EN 1134)	Food, feed and agricultural products	-
8	Determination of Pb, Cd and Se content by AAS-ETA method	SOP No. 8 (JPP ÚKZÚZ – procedure No. 10280.1 and No. 10460.1; ČSN EN 14084; ČSN EN 16159; ČSN EN 1134; ČSN EN 14083)	Food, feed and agricultural products	-
9	Determination of As content by HG-AAS method	SOP No. 18 (JPP ÚKZÚZ – procedure No. 10430.1; ČSN EN 14084; ČSN EN 1134; ČSN EN 14083)	Food, feed and agricultural products	-
10	Determination of the content of vitamin A and vitamin E by HPLC method with UV/FF detection	SOP No. 9 (JPP ÚKZÚZ – procedure No. 10381.1)	Premixes and fodder mixtures	-
11	Determination of robenidine content by HPLC method with UV detection	SOP No. 10 (JPP ÚKZÚZ – procedure No. 10389.1)	Premixes and fodder mixtures	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
12	Determination of monensin, salinomycin and narasin content by HPLC method with UV/VIS detection	SOP No. 11 (JPP ÚKZÚZ – procedure No. 10350.1)	Premixes and fodder mixtures	-
13	Determination of nicarbazin content by HPLC method with UV detection	SOP No. 12 (JPP ÚKZÚZ – procedure No. 10360.1)	Premixes and fodder mixtures	-
14	Determination of the content of lysine, threonine, methionine and cysteine by ion exchange chromatography	SOP No. 13 (JPP ÚKZÚZ – procedure No. 10021.1)	Feed	-
15	Determination of mercury content by CVAAS method	SOP No. 19 (ČSN EN 13805; ČSN EN 13806)	Feed and agricultural products	-
16	Determination of the content of mycotoxins by ELISA method using Veratox test kit	SOP No.15 (Veratox manual)	Food, feed and agricultural products	-
17	Determination of soluble chloride content according to Volhard	SOP No. 16 (JPP ÚKZÚZ – procedure No. 10129.1; ČSN ISO 1841-1; ČSN 56 0116-5; ČSN 57 0107, cl. 20; ČSN 58 0703-4)	Food, feed and agricultural products	-
18	Determination of starch by polarimetry	SOP No. 17 (JPP ÚKZÚZ – procedure No. 10083.1)	Feed and agricultural products	-
19	Enumeration of beta-glucuronidase-positive <i>Escherichia coli</i> by culture method	ČSN ISO 16649-2	Food, feed and agricultural products	-
20	Enumeration of total microorganisms – colony count technique at 30 °C by culture	ČSN EN ISO 4833-1; ČSN EN ISO 4833-2	Food, feed and agricultural products	-
21	Detection of <i>Salmonella</i> . by culture method	ČSN EN ISO 6579	Food, feed and agricultural products, primary production samples, environmental and food and feed production samples	-
22	Enumeration of <i>Enterobacteriaceae</i> by culture method	ČSN EN ISO 21528-2	Food, feed and agricultural products, environmental and food and feed production samples	-
23	Enumeration of yeasts and moulds by culture method	ČSN ISO 21527-1; ČSN ISO 21527-2	Food, feed and agricultural products	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
24	Detection of <i>Listeria monocytogenes</i> and <i>Listeria</i> spp. by culture method	ČSN EN ISO 11290-1	Food, feed and agricultural products	-
25	Enumeration of <i>Listeria monocytogenes</i> and <i>Listeria</i> spp. by culture method	ČSN EN ISO 11290-2	Food, feed and agricultural products	-
26	Determination of microbial contamination by culture method	SOP No.V4 part 9 (ČSN EN ISO 18593; ČSN EN ISO 7218; ČSN ISO 16649-2; ČSN EN ISO 4833-1; ČSN EN ISO 4833-2; ČSN EN ISO 6579; ČSN EN ISO 21528-2; ČSN ISO 21527-1; ČSN ISO 21527-2; ČSN EN ISO 11290-1; ČSN EN ISO 11290-2; ČSN EN ISO 10272-1; ČSN EN ISO 10272-2; ČSN ISO 4832; ČSN EN ISO 7932; ČSN EN ISO 7937; ČSN EN ISO 15213-1; ČSN EN ISO 13720; ČSN EN ISO 6888-1; ČSN EN ISO 6888-2; ČSN ISO 15214)	Swabs, prints, fall-outs, steps	-
27	Detection of <i>Campylobacter</i> spp. by culture method	ČSN EN ISO 10272-1	Food, feed and agricultural products, primary production samples	-
28	Enumeration of <i>Campylobacter</i> spp. by culture method	ČSN EN ISO 10272-2	Food, feed and agricultural products, primary production samples	-
29	Enumeration of coliforms by culture method	ČSN ISO 4832	Food, feed and agricultural products	-
30	Enumeration of <i>Bacillus cereus</i> by culture method	ČSN EN ISO 7932	Food, feed and agricultural products	-
31	Enumeration of <i>Clostridium perfringens</i> by culture method	ČSN EN ISO 7937	Food, feed and agricultural products	-
32	Enumeration of sulfite-reducing clostridia by culture method	ČSN EN ISO 15213-1	Food, feed and agricultural products	-
33	Enumeration of <i>Pseudomonas</i> spp. by culture method	ČSN EN ISO 13720	Food, feed and agricultural products	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
34	Enumeration of toxinogenic moulds by culture (<i>Aspergillus flavus</i> , <i>Aspergillus parasiticus</i>)	SOP NO. M8 (AHEM No. 1/2003)	Food, feed and agricultural products	-
35	Enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i>) by culture method	ČSN EN ISO 6888-1; ČSN EN ISO 6888-2	Food, feed and agricultural products	-
36	Enumeration of mesophilic lactic acid bacteria - colony-count technique at 30 degrees C	ČSN ISO 15214	Food, feed and agricultural products	-

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

² if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest valid edition of the specified procedure is used (including any changes)

³ the laboratory does not apply a flexible approach to the scope of accreditation

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
16	deoxinivalenol, zearalenon, T-2 toxin, fumonisine, ochratoxin, sum of aflatoxins and aflatoxin B1
26	microbial contamination: beta-glucuronidase-positive <i>Escherichia coli</i> ; total number of microorganisms; <i>Salmonella</i> spp.; <i>Enterobacteriaceae</i> ; yeasts and moulds; <i>Listeria monocytogenes</i> and <i>Listeria</i> spp.; <i>Campylobacter</i> spp; coliforms, <i>Bacillus cereus</i> , <i>Clostridium perfringens</i> , sulfite-reducing clostridia, <i>Pseudomonas</i> spp., coagulase-positive staphylococci, lactic acid bacteria

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Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Subject of sampling
1	Sampling of food	SOP No.V1 (ČSN EN ISO 7218; ČSN EN ISO 948; ČSN 57 0105-2; ČSN 56 0116-2; ČSN 56 0130-2; ČSN 56 0145; ČSN 58 0120; ČSN 56 0520-2; ČSN 58 0116; ČSN 58 0113; ČSN 58 0112; Decree No. 211/2004 Coll.; Regulation (EC) No. 852/2004 of the European Parliament and of the Council; Commission Regulation (EC) No. 2073/2005)	Food
2	Sampling of agricultural products and feed	SOP No.V2 (ČSN ISO 13690:2007; ČSN EN ISO 6497; Commission Regulation (EC) No. 152/2009; ČSN EN ISO 7218; Decree No. 211/2004 Coll.; ČSN 56 0253)	Feed and agricultural products
3	Sampling of swabs and prints	SOP No.V4 part 1 - 8,10 (ČSN EN ISO 18593; ČSN EN ISO 7218)	Plant environment and surfaces of production facilities

¹ if the document identifying the sampling procedure is dated, only these specific procedures are used. If the document identifying the sampling procedure is not dated, the latest edition of the specified procedure is used (including any changes)

Explanations:

AAS ETA	Atomic Absorption Spectrophotometry with electrothermal atomization
CVAAS	Atomic Absorption Spectrophotometry with cold vapour method
AHEM	Acta Hygienica Epidemiologica et Microbiologica (Hygienic and Epidemiological Documents - SZÚ Prague)
FAAS	Flame Atomic Absorption Spectrophotometry
FF	Fluorescence Detector
HG-AAS	Hydride Generation Atomic Absorption Spectrophotometry
HPLC	High-Performance Liquid Chromatography

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JPP ÚKZÚZ	Uniform working procedures of the Central Institute for Supervising and Testing in Agriculture
Premixes	Mixtures of feed additives intended for the manufacture of feed
UV/VIS	Spectrophotometer with detector in the ultraviolet/visible region of the spectrum
UV/FF	Spectrophotometer with fluorescence detector

"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself."