Akreditovaný subjekt podle ČSN EN ISO/IEC 17025:2018:

Státní zdravotní ústav
CAB number 1137, Centre for Health, Nutrition and Food
Palackého 3a, 612 42 Brno

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

Tests:

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
1	Determination of mercury by analyser AMA 254	SOP CH_9 (Altec manual)	Food, biological material, plant material	-
2	Determination of elements by ICP-MS method	SOP CH_81 (Agilent Technologies manual)	Food, biological material, plant material	-
3	Determination of nitrite and nitrate by HPLC-DAD method	SOP CH_10	Food, plant material	-
4	Determination of iodine by spectrophotometry	SOP CH_39	Food, biological material, plant material	-
5	Determination of PCB and OCP by GC-MS/MS method	SOP CH_13	Food, plant material	-
6	Determination of fatty acids by GC-FID method and the sum of SAFA, MUFA, PUFA, TFA, Omega 3 and Omega 6 by calculation from measured values	SOP CH_60A (ČSN ISO 5508:1994)	Food	-
7	Determination of fatty acids by GC-FID method and the sum of SAFA, MUFA, PUFA, TFA, Omega 3 and Omega 6 by calculation from measured values	SOP CH_60B (ČSN ISO 5508:1994)	Biological material	-
8	Determination of total fat by gravimetry	SOP CH_91 (ČSN ISO 1443:1994)	Food	-
9	Determination of total nitrogen according to Kjeldahl by titration and calculation of proteins from measured values	SOP CH_89 (ČSN ISO 1871:1994)	Food	-

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
10	Determination of dry matter by gravimetry and moisture content by calculation from measured values	SOP CH_86 excl. chap. 6.2 (ČSN 58 0120:1968)	Food	-
11	Determination of saccharides and energy value by calculation from measured values	SOP CH_86, chap. 6.2 (EU Regulation No. 1169/2011)	Food	-
12	Determination of ash content by gravimetry	SOP CH_87 (J. Davídek, Laboratorní příručka analýzy, SNTL Praha 1981)	Food	-

[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)
2	Be, Na, Mg, Al, P, K, Ca, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Mo, Ag, Cd, Sn, Ba, Tl, Pb, Th, U
5	OCP (Organochlorine Pesticides): HCB, alpha-HCH, beta-HCH, gamma-HCH, delta-HCH, epsilon-HCH, heptachlor, cis-nonachlor, trans-nonachlor, heptachloroepoxide(B), heptachloroepoxide(A), aldrin, isodrin, endrin, endrinketon, dieldrin, endosulfan I, endosulfan II, endosulfansulfate, mirex, o,p´-DDE, p,p´-DDE, o,p´-DDD, p,p´-DDD, o,p´-DDT, p,p´-DDT, PCB (Polychlorinated Biphenyls): PCB 28, PCB 52, PCB 101, PCB 105, PCB 118, PCB 138, PCB 153, PCB 180, methoxychlor, alpha-chlordan, gamma chlordan, oxychlordan

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Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
6, 7	**SAFA** (Saturated Fatty Acids): butyric, capronic, caprylic, capric, undecanoic, lauric, tridecanoic, myristic, pentadecanoic, palmitic, heptadecanoic, stearic, arachic, heneicosanoic, behenic, tricosanoic, lignoceric; **MUFA** (Monounsaturated Fatty Acids): myristoleic, pentadecenoic, palmitoleic, heptadecenoic, oleic, vaccenic, gadoleic, gondic, erucic, nervonic; **PUFA** (Polyunsaturated Fatty Acids): linoleic, steridonic, γ-linolenic, α-linolenic, eicosadienoic, dihomo-γ-linolenic, eicosatrienoic (n-6), eicosatrienoic (n-3), arachidonic, docosadienoic, eicosapentaenoic, docosatetraenoic, docosapentaenoic (n-3), docosapentaenoic (n-6), docosahexaenoic; **TFA** (Transunsaturated Fatty Acids): myristelaidic, palmitelaidic, petroselaidic, elaidic, transvaccenic, linolelaidic, cis-9, trans-12-octadecadienoic, trans-9, cis-12-octadecadienoic, trans-9,12,15-octadecatrienoic, trans-9, trans-12, cis-15-octadecatrienoic, trans-9, cis-12, trans-15-octadecatrienoic, cis-9, trans-12, trans-15-octadecatrienoic, cis-9, cis-12, trans-15-octadecatrienoic, cis-9, trans-12, cis-15-octadecatrienoic, trans-9,cis-12,cis-15-octadecatrienoic; **Omega 3**: α-linolenic, steridonic, eicosatrienoic (n-3), eicosapentaenoic, docosapentaenoic (n-3), docosahexaenoic; **Omega 6**: linoleic, γ-linolenic, eicosadienoic, dihomo-γ-linolenic, eicosatrienoic (n-6), arachidonic, docosadienoic, docosatetraenoic, docosapentaenoic (n-6)

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (tested subject)
1, 2, 4, 7	Biological material: blood, urine, mother's milk, animal tissue
12	Indoor environment: Food industry facilities, public catering kitchens, laboratories
1, 2, 3, 4, 5	Plant material: Leaves, seeds, bulbs, tubers, fruits, flowers

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Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (source literature)
3	FERREIRA, I.M. a S. SILVA. Quantification of residual nitrite and nitrate in ham by reverse-phase high performance liquid chromatography/diode array detector. Talanta. 2008, (74), 1598-1602
4	MAY, S.L., MAY W.A., BOURDOUX, P.P., PINO, S., SULLIVAN, K.M., FABERLY, G.F., Validation of a simple, manual urinary iodine method for estimating the prevalence of iodine-deficiency disorders, and interlaboratory comparison with other methods. The American Journal of Clinical Nutrition, 1997,65:1441-5
5	CLIFTON E. MELOAN, Ph.D., Pesticides laboratory training manual , U.S. AID, U.S. EPA, U.S. FDA Published by AOAC International 1996

Explanations:

AMA 254	Single-Purpose Atomic Absorption Spectrometer
ICP-MS	Inductively Coupled Plasma Mass Spectrometry
HPLC DAD	Liquid chromatography with diode array detector
GC-FID	Gas Chromatography with Flame Ionization 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. "