



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

issues

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

CERTIFICATE OF ACCREDITATION

No. 151/2026

Státní zdravotní ústav
with registered office Šrobárova 49/48, 100 00 Praha 10 - Vinohrady
Company Registration No. 75010330

for the Testing Laboratory No. 1137
Centre for Health, Nutrition and Food

Scope of accreditation:

Chemical testing of food, plant and biological material to the extent as specified in the appendix to this Certificate.

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

ČSN EN ISO/IEC 17025:2018

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

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 623/2024 of 27/11/2024, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **27/11/2029**

Prague: 27/03/2026



Signed in the Czech original:
Zdeňka Drdová on 27/03/2026

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

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

**The Appendix is an integral part of
Certificate of Accreditation No. 151/2026 of 27/03/2026**

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

Státní zdravotní ústav
CAB number 1137, Centre for Health, Nutrition and Food
Palackého třída 3a, 612 00 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, endrington, 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	<p>SAFA (Saturated Fatty Acids): butyric, capronic, caprylic, capric, undecanoic, lauric, tridecanoic, myristic, pentadecanoic, palmitic, heptadecanoic, stearic, arachic, heneicosanoic, behenic, tricosanoic, lignoceric;</p> <p>MUFA (Monounsaturated Fatty Acids): myristoleic, pentadecenoic, palmitoleic, heptadecenoic, oleic, vaccenic, gadoleic, gondic, erucic, nervonic;</p> <p>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;</p> <p>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;</p> <p>Omega 3: α-linolenic, steridonic, eicosatrienoic (n-3), eicosapentaenoic, docosapentaenoic (n-3), docosahexaenoic;</p> <p>Omega 6: linoleic, γ-linolenic, eicosadienoic, dihomo-γ-linolenic, eicosatrienoic (n-6), arachidonic, docosadienoic, docosatetraenoic, docosapentaenoic (n-6)</p>

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. "