



EA MLA Signatory
Český institut pro akreditaci, o.p.s.
Olšanská 54/3, 130 00 Praha 3

issues

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

CERTIFICATE OF ACCREDITATION

No. 73/2022

ALS Czech Republic, s.r.o.
with registered office Na Harfě 336/9, 190 00 Praha 9 - Vysočany, Company Registration
No. 27407551

to the Testing Laboratory No. **1163**
ALS Czech Republic, s.r.o.

Scope of accreditation:

Chemical, radiochemical and microbiological analyses of water, extracts, liquids, soils, waste, sludge, oils, sediments, rocks, solid samples, building materials, materials for building, emissions, immissions, working environment, gases from biogas stations and landfill gases, biological materials, food, feed, cosmetics, pharmaceutical raw materials and products, lubricants, fuels, ecotoxicological testing of waste and water, sensory analyses of food; sampling of water, sediments, soils, outdoor and indoor air and working environment 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 Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the 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.: 519/2021 of 5. 10. 2021, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **14. 2. 2027**

Prague: 14. 2. 2022



Lukáš Burda
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute
Public Service Company

**Appendix is an integral part of
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Entity accredited according to ČSN EN ISO/IEC 17025:2018:

ALS Czech Republic, s.r.o.
Na Harfě 336/9, 190 00 Praha 9 - Vysočany

Testing laboratory Workplaces:

1	Prague	Na Harfě 336/9, 190 00 Praha 9
2	Česká Lípa	Bendlova 1687/7, 470 01 Česká Lípa
3	Pardubice	V Ráji 906, 530 02 Pardubice
4	Brno	Vídeňská 134/102, 619 00 Brno
5	Ostrava	Vratimovská 11, 718 00 Ostrava
6	Plzeň	Lobezská 15, 30146 Plzeň
7	Lovosice	U Zdymadel 827, 410 02 Lovosice
8	Rožnov pod Radhoštěm	1. Máje 823, budova C6, 756 61 Rožnov pod Radhoštěm
9	Kroměříž	Kotojedská 2588/91, 767 01 Kroměříž
10	Prague	Na Harfě 916/9a, 190 00 Praha 9
11	Prague	Kolbenova 942/38a, 190 00 Praha 9
12	Liberec	Jugoslávská 11, 460 07 Liberec

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 on the laboratory website www.alsglobal.cz or at the Quality Manager.

The Laboratory provides expert opinions and interprets test results.

The Laboratory is qualified to carry out independent sampling.

Tests:

Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Subject of the test
1	General Chemistry		
1.1 ¹	Determination of elements ⁴⁷ by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values ⁵¹⁾ including the calculation of total mineralization and calculating the sum of Ca+Mg	CZ_SOP_D06_02_001 (US EPA 200.7, ČSN EN ISO 11885, US EPA 6010, SM 3120, ČSN 75 7358)	Water ⁹¹ , extracts ⁹² , liquid samples ⁸¹
1.2 ¹	Determination of elements ⁴⁷ by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values ⁵²⁾	CZ_SOP_D06_02_001 (US EPA 200.7, ČSN EN ISO 11885, US EPA 6010, SM 3120)	Solid samples ⁸⁵ , building materials ⁸² , materials for building ⁸⁹
1.3 ¹	Determination of elements ⁴⁷ by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values ⁵³⁾	CZ_SOP_D06_04_001 (US EPA 200.7, ČSN EN ISO 11885)	Food, feed ⁸³
1.4 ¹	Determination of elements ⁴⁷ by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values ⁵³⁾	CZ_SOP_D06_04_001 (US EPA 200.7, ČSN EN ISO 11885)	Biological materials ⁷⁷

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Subject of the test
1.5 ¹	Determination of elements ⁴⁷ by atomic emission spectrometry with inductively coupled plasma and calculation of Cr ³⁺ from measured values	CZ_SOP_D06_02_001 (US EPA 200.7, ČSN EN ISO 11885, ČSN EN 13211, ČSN EN 14385, ČSN EN 14902, IO 3.4, US EPA 29)	Emission ⁷⁸ , imission ⁷⁹
1.6 ¹	Determination of elements ⁴⁷ by atomic emission spectrometry with inductively coupled plasma	CZ_SOP_D06_04_001 (US EPA 200.7, ČSN EN ISO 11885, ČL/PhEur/USP)	Pharmaceutical material
1.7 ¹	Determination of elements ⁴¹ by mass spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values ⁵¹⁾ including the calculation of total mineralization and calculating the sum of Ca+Mg	CZ_SOP_D06_02_002 (US EPA 200.8, ČSN EN ISO 17294-2, US EPA 6020A, ČSN 75 7358)	Water ⁹¹ , extracts ⁹² , liquid samples ⁸¹
1.8 ¹	Determination of elements ⁴² by mass spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_02_002 (US EPA 200.8, ČSN EN ISO 17294-2, US EPA 6020A)	Solid samples ⁸⁵ , building materials ⁸² , materials for building ⁸⁹
1.9 ¹	Determination of elements ⁴³ by mass spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_04_002 (US EPA 200.8, ČSN EN ISO 17294-2, ČSN EN 15111)	Food, feed ⁸³
1.10 ¹	Determination of elements ⁴⁴ by mass spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_04_002 (US EPA 200.8, ČSN EN ISO 17294-2)	Biological materials ⁷⁷
1.11 ¹	Determination of elements ⁴⁵ by mass spectrometry with inductively coupled plasma and calculation of Cr ³⁺ from measured values	CZ_SOP_D06_02_002 (US EPA 200.8, ČSN EN ISO 17294-2, ČSN EN 13211, ČSN EN 14385, ČSN EN 14902, US EPA 29)	Emission ⁷⁸ , imission ⁷⁹
1.12 ¹	Determination of elements ⁶⁰ by mass spectrometry with inductively coupled plasma	CZ_SOP_D06_04_002 (US EPA 200.8, ČSN EN ISO 17294-2, ČSN EN 15111, ČL/PhEur/USP)	Pharmaceutical material
1.13 ¹	Determination of Hg by atomic absorption spectrometry	CZ_SOP_D06_02_003 (ČSN 46 5735, ČSN 75 7440)	Emission ⁷⁸ , imission ⁷⁹
1.14 ²	Determination of Hg by single-purpose atomic absorption spectrometer	CZ_SOP_D06_07_004 (ČSN 75 7440, ČSN 46 5735)	Water ⁹¹ , extracts ⁹² , liquid samples ⁸¹ , solid samples ⁸⁵
1.15 ²	Determination of elements ⁴⁹ by flame AAS method and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_07_005 (ČSN ISO 8288, ČSN 75 7400, ČSN EN 1233,	Water ⁹¹ , extracts ⁹² , liquid samples ⁸¹

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Subject of the test
		ČSN ISO 7980, ČSN ISO 9964, Perkin-Elmer specifications)	
1.16 ²	Determination of elements ⁴⁹ by flame AAS method and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_07_005 (ČSN ISO 8288, ČSN 75 7400, ČSN EN 1233, ČSN ISO 7980, ČSN ISO 9964, Perkin-Elmer specifications)	Solid samples ⁸⁵
1.17 ²	Determination of elements ⁵⁰ by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_07_006 (ČSN EN ISO 11885, AITM3-0032)	Water ⁹¹ , extracts ⁹² , liquid samples ⁸¹
1.18 ²	Determination of elements ⁵⁰ by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_07_006 (ČSN EN ISO 11885, ČSN EN 15410, ČSN EN 15411)	Solid samples ⁸⁵ , solid recovered fuels
1.19 ²	Determination of Kjeldahl nitrogen by spectrophotometry	CZ_SOP_D06_07_007.A (ČSN EN 25663, ČSN ISO 7150-1)	Water ⁹¹ , extracts ⁹²
1.20 ²	Determination of Kjeldahl nitrogen by spectrophotometry	CZ_SOP_D06_07_007.B (ČSN EN 25663, ČSN EN 13342, ČSN ISO 7150-1)	Solid samples ⁸⁵
1.21 ²	Determination of Cr ^{VI} by spectrophotometry with diphenylcarbazide	CZ_SOP_D06_07_008 (ČSN ISO 11083)	Water ⁹¹ , extracts ⁹² , absorption solutions from emission samples
1.22 ²	Determination of total phosphorus and orthophosphate by spectrophotometry and calculation of P ₂ O ₅ from measured values	CZ_SOP_D06_07_009.A (ČSN EN ISO 6878)	Water ⁹¹ , extracts ⁹²
1.23 ²	Determination of total phosphorus by spectrophotometry and calculation of P ₂ O ₅ from measured values	CZ_SOP_D06_07_009.B (ČSN EN 14672, ČSN EN ISO 6878)	Sludge, technological sludge products
1.24 – 1.28	Reserved		
1.29 ²	Determination of nonionic surfactants (BiAS) by spectrophotometry using the HACH cuvette test	CZ_SOP_D06_07_014 (Hach Instruction)	Water ⁹¹ , extracts ⁹²
1.30 ²	Determination of sum of sulfane and sulfide by spectrophotometry and calculation of free sulfane from measured values	CZ_SOP_D06_07_015.A (ČSN 83 0520-16:1978, ČSN 83 0530-31:1980 SM 4500-S ² -D)	Water ⁹¹ , extracts ⁹²
1.31 ²	Determination of sum of sulfane and sulfide by spectrophotometry	CZ_SOP_D06_07_015.B (ČSN 83 0520-16:1978, ČSN 83 0530-31:1980)	Solid samples ⁸⁵ , building materials ⁸² , materials for building ⁸⁹
1.32 ²	Determination of sum of sulfane and sulfide by spectrophotometry	CZ_SOP_D06_07_015.C (ČSN 83 0520-16:1978, ČSN 83 0530-31:1980, ČSN 83 4712 No. 3)	Absorption solutions from emission samples

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Subject of the test
1.33 ¹	Determination of sulfate by turbidimetry using discrete spectrophotometry and calculation of sulfate sulfur from measured values	CZ_SOP_D06_02_016 (US EPA 375.4, SM 4500-SO ₄ ²⁻)	Water ⁹¹ , extracts ⁹²
1.34 ²	Determination of nitrite sum and sum of nitrite and nitrate nitrogen by discrete spectrophotometry and calculation of nitrites and nitrates from measured values	CZ_SOP_D06_02_019 (ČSN EN ISO 11732, ČSN EN ISO 13395, SM 4500-NO ₂ ⁻ , SM 4500-NO ₃)	Liquid samples
1.35 ¹	Determination of the number of asbestos and mineral fibers by SEM / EDS	CZ_SOP_D06_02_018 (ISO 14966, except chap. 5, 6.1 and 6.2, VDI 3492, except chap. 5 and 6, Decree No. 6/2003 Coll., Government Decree No. 361/2007 Coll., Annex No. 3)	Outdoor and indoor air, working environment - exposed filters
1.36 ¹	Determination of sum of ammonium and ammonium ions, nitrite and the sum of nitrite and nitrate ions by discrete spectrophotometry and calculation of nitrite, nitrate, ammonia, inorganic, organic, total nitrogen, free ammonia, and dissociated ammonium ions from measured values including the calculation of total mineralization	CZ_SOP_D06_02_019 (ČSN EN ISO 11732, ČSN EN ISO 13395, SM 4500-NO ₂ ⁻ , SM 4500-NO ₃)	Water ⁹¹ , extracts ⁹²
1.37 ²	Determination of sum of ammonia and ammonium ions by spectrophotometry and calculation of ammonia nitrogen, free ammonia, and dissociated ammonium ions from measured values	CZ_SOP_D06_07_020 (ČSN ISO 7150-1, ČSN EN ISO 21877)	Water ⁹¹ , extracts ⁹² , liquid samples ⁸¹ , absorption solutions from emission samples
1.38 ²	Determination of nitrite nitrogen by spectrophotometry and calculation of nitrite from measured values	CZ_SOP_D06_07_021 (ČSN EN 26777)	Water ⁹¹ , extracts ⁹²
1.39 ¹	Determination of orthophosphate by discrete spectrophotometry and calculation of orthophosphate phosphorus from measured values including the calculation of total mineralization	CZ_SOP_D06_02_022 (ČSN EN ISO 6878, SM 4500-P)	Water ⁹¹ , extracts ⁹²
1.40 ²	Determination of chloride by potentiometric titration	CZ_SOP_D06_07_023.A (ČSN 03 8526:1989, ČSN 83 0530-20:1980, SM 4500-Cl ⁻ D)	Water ⁹¹ , extracts ⁹² , liquid samples ⁸¹
1.41 ²	Determination of chloride by potentiometric titration and calculation of NaCl from measured values	CZ_SOP_D06_07_023.B (ČSN EN 480-10)	Solid samples ⁸⁵ , building materials ⁸² , materials for building ⁸⁹
1.42 ¹	Determination of Hg by atomic absorption spectrometry	CZ_SOP_D06_04_024 (ČSN 46 5735, ČSN 75 7440, ČL/PhEur/USP)	Food, feed ⁸³ , biological materials ⁷⁷ , Pharmaceutical materials
1.43 ²	Determination of extractable organically bound halogens (EOX) by coulometry	CZ_SOP_D06_07_025.A (DIN 38409-H8, DIN 38414-S17)	Water ⁹¹ , extracts ⁹²

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Subject of the test
1.44 ²	Determination of extractable organically bound halogens (EOX) by coulometry	CZ_SOP_D06_07_025.B (DIN 38409-H8, DIN 38414-S17)	Solid samples ⁸⁵
1.45 ²	Determination of adsorbable organically bound halogens (AOX by coulometry)	CZ_SOP_D06_07_026 (ČSN EN 16166, DIN 38414-S18)	Solid samples ⁸⁵
1.46 ²	Determination of total halogens (TX) by coulometry	CZ_SOP_D06_07_027 (US EPA 9076)	Solid samples ⁸⁵ , oils, organic solvents
1.47 ²	Determination of adsorbable organically bound halogens (AOX by coulometry)	CZ_SOP_D06_07_028 (ČSN EN ISO 9562, TNI 757531)	Water ⁹¹ , extracts ⁹²
1.48 ²	Determination of phenol index by spectrophotometric method after distillation	CZ_SOP_D06_07_029 (ČSN ISO 6439)	Solid samples ⁸⁵
1.49	Reserved		
1.50 ²	Determination of anionic surfactants by measurement of the methylene blue index (MBAS) by spectrophotometry	CZ_SOP_D06_07_031 (ČSN EN 903, SM 5540 C)	Water ⁹¹ , extracts ⁹²
1.51 ²	Determination of absorbance and transmittance by spectrophotometry	CZ_SOP_D06_07_032 (ČSN 75 7360)	Water ⁹¹ , extracts ⁹²
1.52* 1,2,3,4,5,6,7, 8,9	Field measurement of turbidity ZFn by turbidimeter	CZ_SOP_D06_01_033 (ČSN EN ISO 7027-1)	Water ⁹¹
1.53 ²	Determination of humic substances by spectrophotometry	CZ_SOP_D06_07_034 (ČSN 75 7536)	Drinking, raw, surface, ground water
1.54 ²	Determination of water colour by spectrophotometric method	CZ_SOP_D06_07_035 (ČSN EN ISO 7887)	Water ⁹¹ , extracts ⁹²
1.55 ²	Determination of electrical conductivity	CZ_SOP_D06_07_036 (ČSN EN 27888)	Water ⁹¹ , extracts ⁹² , liquid samples ⁸¹
1.56 ²	Determination of pH electrochemically	CZ_SOP_D06_07_037 (ČSN ISO 10523)	Water ⁹¹ , extracts ⁹² , liquid samples ⁸¹
1.57 ²	Biodegradation of organic compounds in aqueous medium – Static test (Zahn-Wellens method) calculated from the measured values of COD _{Cr}	CZ_SOP_D06_07_038 (ČSN EN ISO 9888, OECD 302B, with COD _{Cr} determination according to CZ_SOP_D06_07_040)	Chemicals and chemical products, water ⁹¹ and waste leachate ⁹²
1.58	Reserved		
1.59 ²	Determination of chemical oxygen demand using dichromate (COD _{Cr}) by titration	CZ_SOP_D06_07_040 (ČSN ISO 6060)	Water ⁹¹ , extracts ⁹²
1.60	Reserved		
1.61 ²	Determination of analytical water and gross water by gravimetry and calculation of total water from measured values	CZ_SOP_D06_07_041 (ČSN 44 1377, ČSN EN ISO 18134-1, ČSN EN ISO 18134-2, ČSN EN ISO 18134-3, ČSN P CEN/TS 15414-1, ČSN P CEN/TS 15414-2, ČSN EN ISO 21660-3, ČSN EN 12880, ČSN EN 14346, ČSN EN 15002)	Solid fossil fuels, solid biofuels, solid recovered fuels, sludge, waste
1.62 – 1.63	Reserved		

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Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Subject of the test
1.64 ¹	Determination of dissolved oxygen (in the laboratory) by electrochemical method with optical sensor	CZ_SOP_D06_02_043 (ČSN ISO 17289)	Water ⁹¹
1.65* 1,2,3,4,5,6,7, 8,9	Determination of dissolved oxygen by electrochemical method with membrane probe	CZ_SOP_D06_01_044 (ČSN EN ISO 5814)	Water ⁹¹
1.66 ^{1,3}	Determination of dry matter by gravimetry and calculation of moisture from measured values	CZ_SOP_D06_01_045 (ČSN ISO 11465, ČSN EN 12880, ČSN EN 14346:2007)	Solid samples ⁸⁵
1.67 ²	Determination of dry matter by gravimetry and calculation of moisture from measured values	CZ_SOP_D06_07_046 (ČSN ISO 11465, ČSN EN 12880, ČSN EN 14346:2007, ČSN 46 5735)	Solid samples ⁸⁵
1.68 ²	Determination of ash by gravimetry and calculation of loss on ignition from measured values	CZ_SOP_D06_07_047.A (ČSN EN 15169, ČSN EN 15935, ČSN EN 13039, ČSN 72 0103, ČSN 46 5735)	Solid samples ⁸⁵ , silicate materials
1.69	Reserved		
1.70 ²	Determination of ash by gravimetry and calculation of loss on ignition from measured values	CZ_SOP_D06_07_047.C (ČSN ISO 1171, ČSN EN ISO 18122, ČSN EN ISO 21656, ČSN EN ISO 6245)	Solid and liquid fuels
1.71 ¹	Qualitative determination of asbestos by SEM/EDS	CZ_SOP_D06_02_048 (ISO 22262-1, VDI 3866, Part 5, DM06/09/94 GU n° 288 10/12/1994 All. 1 Met. B – quantitative determination)	Solid samples ⁸⁵ (except liquid waste, biowaste) building materials ⁸⁹ , materials for building ⁸²
1.72 ¹	Qualitative determination of asbestos by SEM/EDS	CZ_SOP_D06_02_049 (VDI 3866, Part 5, DM 06/09/94 GU n° 288 10/12/1994 All. 1 Met. B.)	Solid samples ⁸⁵ (except liquid waste, biowaste) building materials ⁸⁹ , materials for building ⁸²
1.73 ²	Determination of water content by Karl Fischer method	CZ_SOP_D06_07_050 (ČSN ISO 760)	Liquid samples ⁸¹ , solid samples ⁸⁵
1.74	Reserved		
1.75 ²	Determination of suspended solids, fixed suspended solids, total solids and fixed total solids by gravimetry and calculation of volatile suspended solids and volatile total solids from measured values	CZ_SOP_D06_07_052 (ČSN 75 7350, SM 2540 B, SM 2540 D, SM 2540 E)	Water ⁹¹ , extracts ⁹²
1.76 ²	Determination of suspended solids using glass fibre filters by gravimetry	CZ_SOP_D06_07_053 (ČSN EN 872)	Water ⁹¹ , extracts ⁹²
1.77 ²	Determination of dissolved solids (RL105) and fixed dissolved solids (RAS) using glass fibre filters by gravimetry and calculation of volatile dissolved solids from measured values	CZ_SOP_D06_07_054 (ČSN 75 7346, ČSN 75 7347)	Water ⁹¹ , extracts ⁹²

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Subject of the test
1.78 ²	Determination of total carbon (TC) and inorganic carbon (TIC) by IR detection and calculation of total organic carbon (TOC), carbonates and organic matter from measured values	CZ_SOP_D06_07_055 (ČSN EN 13137:2002, ČSN EN 15936, ČSN ISO 10694)	Solid samples ⁸⁵ , building materials ⁸² , materials for building ⁸⁹
1.79 ¹	Determination of total organic carbon (TOC), dissolved organic carbon (DOC), total inorganic carbon (TIC) and total carbon (TC) by IR detection	CZ_SOP_D06_02_056 (ČSN EN 1484, SM 5310)	Water ⁹¹ , extracts ⁹²
1.80 ¹	Determination of nonpolar extractive substances by infrared spectrometry and calculation of polar extractive substances from measured values	CZ_SOP_D06_02_057 (ČSN 75 7505:2006, SS 028145, STN 83 0520-27:2015, STN 83 0530-36, STN 830540-4, US EPA 418.1, SM 5520 F, DS/R 209, SFS 3010)	Water ⁹¹ , extracts ⁹²
1.81 ¹	Determination of extractive and non-polar extractive compounds by infrared spectrometry and calculation of polar extractive substances from measured values	CZ_SOP_D06_02_058 (SS 028145, TNV 75 8052, ISO/TR 11046, US EPA 418.1, SM 5520 F, DS/R 209, SFS 3010)	Solid samples ⁸⁵
1.82 ¹	Determination of extractive substances by infrared spectrometry and calculation of polar extractive substances from measured values	CZ_SOP_D06_02_059 (ČSN 75 7506, SS 028145, STN 83 0520-27:2015, STN 83 0540-4, DS/R 209, SFS 3010)	Water ⁹¹ , extracts ⁹²
1.83 ¹	Determination of alpha modification of silicon dioxide in respirable dust by infrared spectrometry	CZ_SOP_D06_02_060 (NIOSH 7602)	Dust
1.84* 1,2,3,4,5,6,7, 8,9,12	Field determination of free and total chlorine and chlorine dioxide by DPD method using HACH sets and bound chlorine by calculation from measured values	CZ_SOP_D06_01_061 (HACH COMPANY methods, ČSN EN ISO 7393-2)	Drinking water, warm water, raw water
1.85* 1,2,3,4,5,6,7, 8,9,12,	Field measurement of temperature	ČSN 75 7342	Water ⁹¹
1.86* 1,2,3,4,5,6,7,8, 9	Field measurement of electrical conductivity	CZ_SOP_D06_01_063 (ČSN EN 27888)	Water ⁹¹
1.87* 1,2,3,4,5,6,7, 8,9,12,	Field measurement of pH electrochemically	CZ_SOP_D06_01_064 (ČSN ISO 10523)	Water ⁹¹

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Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Subject of the test
1.88 ¹	Sensory analysis of water – determination of odour and taste	CZ_SOP_D06_04_065 (TNV 75 7340:2005, ČSN EN 1622, STN EN 1622)	Drinking water
1.89 ²	Determination of phenols by continuous flow analysis (CFA) method spectrophotometrically	CZ_SOP_D06_07_066 (ČSN EN ISO 14402, SKALAR Company methodology)	Water ⁹¹ , extracts ⁹² , absorption solution from emission sampling
1.90 ²	Determination of anionic surfactants by methylene blue (MBAS) by continuous flow analysis (CFA) method spectrophotometrically	CZ_SOP_D06_07_067 (ČSN ISO 16265, SKALAR Company methodology, ČSN EN 903)	Water ⁹¹ , extracts ⁹²
1.91 ¹	Determination of dissolved fluoride, chloride, nitrite, bromide, nitrate and sulphate by ion liquid chromatography and calculation of nitrite nitrogen and nitrate nitrogen and sulphate sulphur from measured values including the calculation of total mineralization	CZ_SOP_D06_02_068 (ČSN EN ISO 10304-1)	Water ⁹¹ , extracts ⁹²
1.92	Reserved		
1.93 ¹	Determination of dry suspended solids and annealed suspend solids by gravimetry and calculation of loss of ignition of suspend solids and total solids from measured values	CZ_SOP_D06_02_070 (ČSN EN 872, ČSN 757350, SM 2540 D, SM 2540 E)	Water ⁹¹ , extracts ⁹²
1.94 ¹	Determination of dissolved solids (RL) and dissolved solid annealed (RAS) using glass fibre filters by gravimetry and calculation of loss on ignition of dissolved solids (RL550) from measured values	CZ_SOP_D06_02_071 (ČSN 75 7346, ČSN 757347, ČSN EN 15216, SM 2540 C, SM 2540 E)	Water ⁹¹ , extracts ⁹²
1.95 ¹	Determination of acid neutralizing capacity (alkalinity) by potentiometric titration and calculation of the carbonate hardness and CO ₂ forms from measured values including the calculation of total mineralization	CZ_SOP_D06_02_072 (ČSN EN ISO 9963-1, ČSN EN ISO 9963-2, ČSN 75 7373, SM 2320)	Water ⁹¹ , extracts ⁹²
1.96 ¹	Determination of base neutralizing capacity (acidity) by potentiometric titration	CZ_SOP_D06_02_073 (ČSN 75 7372)	Water ⁹¹ , extracts ⁹²
1.97 ¹	Determination of turbidity by optical turbidimeter	CZ_SOP_D06_02_074 (ČSN EN ISO 7027-1)	Water ⁹¹ , extracts ⁹²
1.98 ¹	Determination of electrical conductivity by conductometer and calculation of salinity	CZ_SOP_D06_02_075 (ČSN EN 27888, SM 2520 B)	Water ⁹¹ , extracts ⁹² , liquid samples ⁸¹
1.99 ¹	Determination of chemical oxygen demand using dichromate (COD _{Cr}) by photometry	CZ_SOP_D06_02_076 (ČSN ISO 15705)	Water ⁹¹ , extracts ⁹²
1.100	Reserved		
1.101 ¹	Determination of biochemical oxygen demand electrochemically after n days (BOD _n) by dilution method with allylthiourea addition	CZ_SOP_D06_02_077 (ČSN EN ISO 5815-1)	Water ⁹¹ , extracts ⁹²
1.102 ¹	Determination of biochemical oxygen demand electrochemically after n days (BOD _n) by method for undiluted samples	CZ_SOP_D06_02_078 (ČSN EN 1899-2, ISO 5815-2)	Water ⁹¹ , extracts ⁹²

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Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Subject of the test
1.103 ¹	Determination of colour by spectrophotometry	CZ_SOP_D06_02_079 (ČSN EN ISO 7887)	Water ⁹¹ , extracts ⁹²
1.104 ¹	Determination of total phosphorus by discrete spectrophotometry and calculation of phosphorus as P ₂ O ₅ and PO ₄ ³⁻ from measured values	CZ_SOP_D06_02_080 (ČSN EN ISO 6878, ČSN EN ISO 15681-1)	Water ⁹¹ , extracts ⁹²
1.105 ¹	Determination of total nitrogen by discrete spectrophotometry after mineralization with peroxisulphate	CZ_SOP_D06_02_081 (ČSN EN ISO 11905-1)	Water ⁹¹ , extracts ⁹²
1.106 ²	Determination of chloride in absorption solution from emission sample of inorganic compounds of chlorine by potentiometric titration and calculation of hydrogen chloride from measured values	CZ_SOP_D06_07_082 (ČSN EN 1911)	Absorption solutions from emission sampling
1.107 ²	Determination of fluoride in absorption solution from emission sample of inorganic compounds of fluorine after separation by distillation by direct potentiometry and calculation of hydrogen fluoride from measured values	CZ_SOP_D06_07_083 (ČSN 83 4752-3:1989)	Absorption solutions from emission sampling
1.108	Reserved		
1.109 ²	Determination of ammonia in absorption solution from emission sample by photometry after distillation	CZ_SOP_D06_07_085 (ČSN 83 4728-4)	Absorption solutions from emission sampling
1.110 ¹	Determination of total solids by gravimetry	CZ_SOP_D06_02_086 (ČSN 75 7346, ČSN 757347, ČSN EN 872, SM 2540 B, C, D)	Water ⁹¹
1.111 ²	Determination of pH, temperature and electrical conductivity in extracts prepared by a bottom-up percolation test (under specific conditions)	CZ_SOP_D06_07_087 (ČSN EN 14405, ČSN ISO 10523, ČSN 75 7342, ČSN EN 27888)	Solid samples ⁸⁵
1.112 ^{1,2}	Determination of pH, temperature and electrical conductivity in extracts prepared by a two-stage batch test (under specific conditions)	CZ_SOP_D06_07_088 (ČSN EN 12457-3, ČSN ISO 10523, ČSN 75 7342, ČSN EN 27888)	Solid samples ⁸⁵
1.113 ¹	Determination of total cyanide by spectrophotometry and calculation of complex-forming cyanides from measured values	CZ_SOP_D06_02_089.A (ČSN 75 7415, ČSN EN ISO 14403-2)	Water ⁹¹ , extracts ⁹² , absorption solutions from emission sampling
1.114 ¹	Determination of total cyanide by spectrophotometry and calculation of complex-forming cyanides from measured values	CZ_SOP_D06_02_089.B (ČSN 75 7415, ČSN EN ISO 17380, ČSN EN ISO 14403-2, SM 4500 CN)	Solid samples ⁸⁵ , building materials ⁸² , materials for building ⁸⁹
1.115 ¹	Determination of easily releasable cyanide (free cyanide) and cyanide dissociated by weak acid by spectrophotometry	CZ_SOP_D06_02_090.A (ČSN ISO 6703-2, ČSN EN ISO 14403-2, SM 4500 CN)	Water ⁹¹ , extracts ⁹²

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Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Subject of the test
1.116 ¹	Determination of easily releasable cyanide (free cyanide) and cyanide dissociated by weak acid by spectrophotometry	CZ_SOP_D06_02_090.B (ČSN 75 7415, ČSN EN ISO 17380, ČSN EN ISO 14403-2, SM 4500 CN)	Solid samples ⁸⁵ , building materials ⁸² , materials for building ⁸⁹
1.117 ¹	Determination of fluorides by electrochemical method (ISE)	CZ_SOP_D06_02_091 (ČSN ISO 10359-1)	Water ⁹¹ , extracts ⁹²
1.118 ¹	Determination of chemical oxygen demand using permanganate (COD _{Mn}) by titration	CZ_SOP_D06_02_092 (ČSN EN ISO 8467)	Water ⁹¹ , extracts ⁹²
1.119 ¹	Determination of bound nitrogen (TNb), following oxidation to nitrogen oxides by chemiluminescent detection	CZ_SOP_D06_02_094.A (ČSN EN 12260)	Water ⁹¹ , extracts ⁹²
1.120 ¹	Determination of bound nitrogen (TNb) following oxidation to nitrogen oxides by IR detection	CZ_SOP_D06_02_094.B (ČSN EN 12260)	Water ⁹¹ , extracts ⁹²
1.121 ¹	Qualitative determination of asbestos fibre by polarization microscope	CZ_SOP_D06_02_095 (NIOSH 9002)	Solid samples ⁸⁵ , (except liquid waste, biowaste), building materials ⁸⁹ , materials for building ⁸²
1.122 ¹	Determination of mercury by fluorescence spectrometry	CZ_SOP_D06_02_096 (US EPA 245.7, ČSN EN ISO 17852)	Water ⁹¹ , extracts ⁹²
1.123 ¹	Determination of mercury by fluorescence spectrometry	CZ_SOP_D06_02_096 (ČSN EN ISO 17852, PSA Application Note 025, ISO 16772:2004)	Solid samples ⁸⁵ , building materials ⁸² , materials for building ⁸⁹
1.124	Reserved		
1.125 ¹	Determination of mercury by fluorescence spectrometry	CZ_SOP_D06_02_096 (ČSN EN ISO 17852, ČSN EN 13211, ČSN EN ISO 12846)	Emission ⁷⁸ , imission ⁷⁹
1.126 – 1.127	Reserved		
1.128 ¹	Determination of dissolved bromate, chlorate and chlorite by ion liquid chromatography method and calculation of the sum of chlorate and chlorite from measured values	CZ_SOP_D06_02_098 (ČSN EN ISO 15061, ČSN EN ISO 10304-4)	Water ⁹¹ , extracts ⁹²
1.129 ¹	Determination of chloride by discrete spectrophotometry	CZ_SOP_D06_02_099 (US EPA 325.1, SM 4500-Cl ⁻)	Water ⁹¹ , extracts ⁹²
1.130 ¹	Determination of extractive substances by gravimetry	CZ_SOP_D06_02_100 (ČSN 75 7508, SM 5520B)	Water ⁹¹
1.131 ²	Determination of reactive and non-labile aluminium by continuous flow analysis (CFA) spectrophotometrically and calculation of labile aluminium from measured values	CZ_SOP_D06_07_101 (SKALAR Company method)	Drinking, surface water
1.132 ²	Determination of total nitrogen by modified Kjeldahl method by spectrophotometry	CZ_SOP_D06_07_102 (ČSN ISO 11261)	Solid sampes ⁸⁵

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Subject of the test
1.133* 1.2,3,4,5,6,7, 8,9	Field measurement of oxidation-reduction potential (ORP) by potentiometry	CZ_SOP_D06_01_103 (ČSN 75 7367)	Water ⁹¹
1.134 ¹	Determination of grease and oils by gravimetry (extraction after evaporation)	CZ_SOP_D06_02_104 (ČSN 75 7509)	Water ⁹¹
1.135 ¹	Determination of pH by potentiometry	CZ_SOP_D06_02_105 (ČSN ISO 10523, US EPA 150.1, SM 4500-H ⁺ B)	Water ⁹¹ , extracts ⁹² , liquid samples ⁸¹
1.136	Reserved		
1.137 ²	Determination of total nitrogen by modified Kjeldahl method by spectrophotometry	CZ_SOP_D06_07_107 (ČSN EN 25663, ČSN ISO 7150-1, SFS 5505)	Water ⁹¹ , extracts ⁹²
1.138 ¹	Determination of settleable solids by volumetry	CZ_SOP_D06_02_108 (SM 2540 F)	Water ⁹¹ , extracts ⁹²
1.139 ¹	Determination of dissolved silicates by discrete photometry and calculation of H ₂ SiO ₃ and total mineralization from measured values	CZ_SOP_D06_02_109 (ČSN EN ISO 16264, US EPA 370.1)	Water ⁹¹ , extracts ⁹²
1.140 ¹	Determination of chlorophyll by spectrophotometry	CZ_SOP_D06_02_110 (SM 10200 H)	Surface waters ⁶⁷
1.141	Reserved		
1.142 ²	Determination of phosphorus soluble in sodium hydrogen carbonate solution spectrophotometrically	CZ_SOP_D06_07_112 (ČSN ISO 11263)	Solid samples ⁸⁵
1.143 ²	Determination of pH electrochemically in a suspension in water, KCl, CaCl ₂ , BaCl ₂	CZ_SOP_D06_07_113 (ČSN ISO 10390, ČSN EN 12176:1999, ČSN EN 13037, ČSN EN 15933, ČSN 46 5735, ÖNORM L 1086-1, US EPA 9045D; US EPA 9040C)	Solid samples ⁸⁵ , building materials ⁸² , materials for building ⁸⁹
1.144 ²	Determination of formaldehyde by spectrophotometry	CZ_SOP_D06_07_114 (Chemical and physical methods of water analysis, SNTL Prague 1989)	Water ⁹¹ , extracts ⁹²
1.145	Reserved		
1.146 ²	Determination of iron(II) by spectrophotometry	CZ_SOP_D06_07_116 (ČSN ISO 6332)	Water ⁹¹ , extracts ⁹²
1.147 ²	Determination of total carbon (TC), total organic carbon (TOC) by the combustion method with IR detection and calculation of total inorganic carbon (TIC), carbonates and organic matter from measured values	CZ_SOP_D06_07_117 (Elementar Company methodology, ČSN ISO 10694, ČSN EN 13137:2002, ČSN EN 15936)	Solid samples ⁸⁵ , building materials ⁸² , materials for building ⁸⁹
1.148 ²	Determination of permeability by falling head	CZ_SOP_D06_07_118 (ČSN EN ISO 17892-11, chap. 5.2.2.3)	Soil
1.149 ¹	Determination of aggressive carbon dioxide by the Heyer's method using calculation from alkalinity	CZ_SOP_D06_02_119 (ČSN 83 0530-14:2000)	Water ⁹¹

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Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Subject of the test
1.150 ²	Determination of graininess of solid samples by the combined method of suspension density, sieve analyses and laser diffraction and calculation of permeability from measured values according to USBSC	CZ_SOP_D06_07_120 (ČSN EN ISO 17892-4, ČSN EN 933-1, ČSN EN 933-2, BS ISO 11277, Instructions TOM 23/1, ISO 13320)	Solid samples ⁸⁵ (grain size lower than 63 mm)
1.151 ²	Determination of total carbon, total sulfur, and hydrogen by combustion method with IR detection, determination of total nitrogen by combustion method with TCD detection and calculation of oxygen from measured values	CZ_SOP_D06_07_121.A (LECO Company methodology, ČSN ISO 29541, ČSN EN ISO 16994, ČSN EN ISO 16948, ČSN ISO 19579, ČSN EN 15408, ČSN ISO 10694, ČSN EN ISO 21663)	Solid samples ⁸⁵ , waste, sludge, lubricants, feed ⁸³ , plants, digestates, solid fossil fuels, solid biofuels, solid recovered fuels, building materials ⁸² , materials for building ⁸⁹
1.152 ²	Determination of carbon, sulfur and hydrogen by combustion method with IR detection and determination of nitrogen by combustion method with TCD detection and calculation of oxygen from measured values	CZ_SOP_D06_07_121.B (LECO Company methodology)	Oil, liquid fuels, combustible liquid and solid wastes
1.153 ¹	Determination of hexavalent chromium by ion chromatography with spectrophotometric detection and calculation of trivalent chromium from measured values	CZ_SOP_D06_02_122, except chap. 10.2; 11.3.2; 11.5; 12.2.2; 15.5 (US EPA 7199, SM 3500-Cr)	Water ⁹¹ , extracts ⁹²
1.154 ¹	Determination of hexavalent chromium by ion chromatography with spectrophotometric detection and calculation of trivalent chromium from measured values	CZ_SOP_D06_02_122, except chap. 10.1; 11.3.1; 12.2.1; 15.4 (ČSN EN ISO 15192, EPA 3060A)	Solid samples ⁸⁵
1.155 – 1.156	Reserved		
1.157 ²	Determination of gross calorific value by calorimetric method and calculation of net calorific value and emission factor from measured values	CZ_SOP_D06_07_124.A (ČSN ISO 1928, ČSN EN ISO 18125, ČSN EN ISO 21654, ČSN EN 15170, ČSN DIN 51900-1, ČSN DIN 51900-2, ČSN DIN 51900-3, ČSN P CEN/TS 16023)	Solid fossil fuels, solid biofuels, solid recovered fuels, waste, sludge, combustible building materials ⁸⁹
1.158 ²	Determination of gross calorific value by calorimetric method and calculation of net calorific value and emission factor from measured values	CZ_SOP_D06_07_124.B (ČSN DIN 51900-1, ČSN DIN 51900-2, ČSN DIN 51900-3)	Oils, liquid fuels, combustible liquid, and solid wastes
1.159 ^{2,1}	Determination of total bromine, chlorine, fluorine, and sulphur by calculation from the measured values of bromide, chloride, fluoride and sulphate by IC method after burning the sample	CZ_SOP_D06_07_124.C (ČSN EN ISO 16994, ČSN EN 15408, ČSN EN 14582)	Solid fossil fuels, solid biofuels, solid recovered fuels, waste, sludge, combustible building materials ⁸⁹

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1.160 ^{2,1}	Determination of total bromine, chlorine, fluorine and sulphur by calculation from the measured values of bromide, chloride, fluoride and sulphate by IC method after burning the sample	CZ_SOP_D06_07_124.D (ČSN DIN 51900-1, ČSN DIN 51900-2, ČSN DIN 51900-3)	Oils, liquid fuels, combustible liquid and solid wastes
1.161 ²	Determination of laboratory compacted bulk density (LCBD)	CZ_SOP_D06_07_125 (ČSN EN 13040)	Sludge, composts, soils meliorants and growth stimulants
1.162 ²	Determination of electrical conductivity	CZ_SOP_D06_07_126 (ČSN EN 13038, ČSN ISO 11265, ČSN P CEN/TS 15937)	Sludge, composts, soils, soils meliorants and growth stimulants, modified bio waste
1.163 ¹	Determination of hexavalent chromium by ion chromatography with spectrophotometric detection and calculation of trivalent chromium from measured values	CZ_SOP_D06_02_127 (ISO 16740, EPA 425)	Emission ⁷⁸ , imission ⁷⁹
1.164 ¹	Determination of nitrogen dioxide and sulphur dioxide in passive samplers by ion chromatography method and results recalculation to the volume of air	CZ_SOP_D06_02_128 (Materials of Institute Fondazione Salvatore Maugeri, ČSN EN ISO 10304-1, ČSN EN ISO 10304-3)	Emission ⁷⁸ , imission ⁷⁹
1.165 ¹	Determination of sulphite by ion chromatography method	CZ_SOP_D06_02_129 (ČSN EN ISO 10304-3)	Water ⁹¹ , extracts ⁹²
1.166 ²	Determination of volatile matter by gravimetry and calculation of fixed carbon from the measured values	CZ_SOP_D06_07_130 (ČSN ISO 562, ČSN ISO 5071-1, ČSN EN ISO 18123, ČSN EN ISO 22167)	Solid fossil fuels, solid biofuels, solid recovered fuels
1.167 ²	Determination of sulphite after distillation by titration	CZ_SOP_D06_07_131 (M. Horáková et al.: Chemical and physical methods of water analyses)	Water ⁹¹ , extracts ⁹²
1.168 ²	Determination of respiratory activity (AT ₄) using respirometer	CZ_SOP_D06_07_132 (ÖNORM S 2027-4)	Wastes, sludge, composts, soils
1.169* 1,2,4,6,7,8,9	Field determination of ozone using HACH sets	CZ_SOP_D06_01_133 (Method 8311 HACH Company, USA)	Drinking water, pool water
1.170 ¹	Determination of fluoride, chloride, and sulphate in absorption solution from emission sampling by ion chromatographic method and calculation of hydrogen fluoride, hydrogen chloride and sulphur dioxide from measured values	CZ_SOP_D06_02_134 (ČSN EN 1911, STN ISO 15713, ČSN EN 14791, ČSN EN ISO 10304-1)	Emission ⁷⁸
1.171 ¹	Determination of non-polar extractable compounds by UV spectrometry	CZ_SOP_D06_02_135, except chap. 10.2 (ČSN 83 0540-4:1998, STN 83 0540-4)	Water ⁹¹ , extracts ⁹²
1.172 ¹	Determination of non-polar extractable compounds by UV spectrometry	CZ_SOP_D06_02_135, except chap. 10.1 (ČSN 83 0540-4:1998, STN 83 0540-4)	Solid samples ⁸⁵

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1.173 ¹	Determination of total dust concentration and respirable dust fraction by gravimetry and results recalculation to the volume of air	CZ_SOP_D06_02_136 (ČSN EN 481, ČSN EN 482, ČSN EN 689+AC, NIOSH 0500, NIOSH 0600, GR No. 361/2007 Coll.)	Working environment ⁸⁷
1.174 ²	Determination of SiO ₂ in silicate materials after decomposition by gravimetry	CZ_SOP_D06_07_137 (ČSN 72 0105-1)	Solid samples ⁸⁵
1.175 ²	Determination of P ₂ O ₅ in silicate materials after decomposition by spectrophotometry	CZ_SOP_D06_07_138 (ČSN 72 0116-1)	Solid samples ⁸⁵
1.176 ²	Determination of total sulfur in silicate materials after decomposition by gravimetry	CZ_SOP_D06_07_139 (ČSN 72 0118)	Solid samples ⁸⁵
1.177	Reserved		
1.178* 1,2,5	Analysis of CH ₄ , CO ₂ , O ₂ , H ₂ S gases by Geotech gas analyzer and calculation of N ₂ from measured values	CZ_SOP_D06_01_141 (BIOGAS 5000 Analyzer Manual)	Gases ⁸⁶
1.179	Reserved		
1.180 ²	Determination of total inorganic fluorine after separation by distillation by direct potentiometry	CZ_SOP_D06_07_143, except chap. 10 and 13.1 (ČSN ISO 10359-2, ČSN 83 4752-3:1989)	Water ⁹¹ , extracts ⁹² , liquid samples ⁸¹
1.181 ²	Determination of total inorganic fluorine after separation by distillation by direct potentiometry	CZ_SOP_D06_07_143 (ČSN ISO 10359-2, ČSN 83 4752-3:1989)	Solid samples ⁸⁵
1.182 ²	Determination of biomass content by selective dissolution	CZ_SOP_D06_07_144 (ČSN EN 15440, Annex A)	Solid alternative fuels, solid combustible wastes
2	Organic Chemistry		
2.1 ¹	Determination of extractable compounds in the range of hydrocarbons C10 – C40, their fractions calculated from the measured values by gas chromatography method with FID detection	CZ_SOP_D06_03_150 (ČSN EN 14039, ČSN EN ISO 16703, ČSN P CEN ISO/TS 16558-2, US EPA 8015, US EPA 3550, TNRCC Method 1006)	Solid samples ⁸⁵
2.2 ¹	Determination of extractable compounds in the range of hydrocarbons C10 – C40, their fractions calculated from the measured values by gas chromatography method with FID detection	CZ_SOP_D06_03_151 (ČSN EN ISO 9377-2, US EPA 8015, US EPA 3510, TNRCC Method 1006)	Water ⁹¹ , extracts ⁹²
2.3 ¹	Determination of extractable compounds in the range of hydrocarbons C5 – C40, their fractions calculated from the measured values by gas chromatography method with FID detection	CZ_SOP_D06_03_152, except chap. 9.1 (TNRCC Method 1006, TNRCC Method 1005)	Water ⁹¹ , extracts ⁹² , liquid samples ⁸¹
2.4 ¹	Determination of extractable compounds in the range of hydrocarbons C5 – C40, their fractions calculated from the measured values by gas chromatography method with FID detection	CZ_SOP_D06_03_152, except chap. 9.2 (TNRCC Method 1006, TNRCC Method 1005)	Solid samples ⁸⁵

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2.5 ¹	Determination of volatile organic compounds ¹⁹ by gas chromatography method with FID and MS detection and calculation of volatile organic compounds sums from measured values and results recalculation to the volume of air	CZ_SOP_D06_03_153 (CEN/TS 13649, NIOSH ¹)	Solid sorbents
2.6	Reserved		
2.7 ¹	Determination of volatile organic compounds ³ by gas chromatography method with FID and MS detection and calculation of volatile organic compounds sums from measured values	CZ_SOP_D06_03_155 except chap. 10.5 and 10.6 (US EPA 624, US EPA 5021A, US EPA 8260, US EPA 8015, ČSN EN ISO 10301, MADEP 2004, rev. 1.1, ČSN ISO 11423, ČSN EN ISO 15680)	Water ⁹¹ , extracts ⁹²
2.8 ¹	Determination of volatile organic compounds ³ by gas chromatography method with FID and MS detection and calculation of volatile organic compounds sums from measured values	CZ_SOP_D06_03_155, except chap. 10.4 (US EPA 8260, US EPA 5021A, US EPA 5021, US EPA 8015, ČSN EN ISO 22155, ČSN EN ISO 15009, ČSN EN ISO 16558-1, MADEP 2004, rev. 1.1.)	Solid samples ⁸⁵
2.9 ¹	Determination of volatile organic compounds ⁴ by gas chromatography method with FID and ECD detection and calculation of volatile organic compounds sums from measured values	CZ_SOP_D06_03_156, except chap. 11.3 - 11.5 (US EPA 601, US EPA 8260, US EPA 8015, RBCA Petroleum Hydrocarbon Methods, ČSN EN ISO 11423, ČSN EN ISO 15680)	Water ⁹¹ , extracts ⁹²
2.10 ¹	Determination of volatile organic compounds ⁴ by gas chromatography method with FID and ECD detection and calculation of volatile organic compounds sums from measured values	CZ_SOP_D06_03_156, except chap. 11.1 and 11.2 (US EPA 8260, US EPA 8015, ČSN EN ISO 22155, ČSN EN ISO 15009, ČSN EN ISO 16558-1, RBCA Petroleum Hydrocarbon Methods)	Solid samples ⁸⁵
2.11 ¹	Determination of organic contaminants ⁵ by gas chromatography method with MS detection (SPIMFAB) and calculation of organic contaminants sums from measured values	CZ_SOP_D06_03_157, except chap. 9.2 (SPIMFAB)	Water ⁹¹ , extracts ⁹²

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2.12 ¹	Determination of organic contaminants ⁵ by gas chromatography method with MS detection (SPIMFAB) and calculation of organic contaminants sums from measured values	CZ_SOP_D06_03_157, except chap. 9.1 (SPIMFAB)	Waste (solid waste, biowaste), sediments, soil, rocks
2.13 ¹	Determination of phenols, chlorinated phenols and cresols ⁶ by gas chromatography method with MS and ECD detection and calculation of phenols, chlorinated phenols and cresols sums from measured values	CZ_SOP_D06_03_158, except chap. 9.3 and 9.4 (US EPA 8041, US EPA 3500, ČSN EN 12673)	Water ⁹¹
2.14 ¹	Determination of phenols, chlorinated phenols and cresols ⁶ by gas chromatography method with MS and ECD detection and calculation of phenols, chlorinated phenols and cresols sums from measured values	CZ_SOP_D06_03_158, except chap. 9.1, 9.2 and 9.4 (US EPA 8041, US EPA 3500, DIN ISO 14154)	Building materials ⁸² , materials for building ⁸⁹ , waste (solid waste, biowaste), sediments, soil, rocks
2.15	Reserved		
2.16 ¹	Determination of phthalates ⁷ by gas chromatography method with MS detection and calculation of phthalates sums from measured values	CZ_SOP_D06_03_159, except chap. 9.2 and 9.3 (US EPA 8061A)	Water ⁹¹ , extracts ⁹²
2.17 ¹	Determination of phthalates ⁷ by gas chromatography method with MS detection and calculation of phthalates sums from measured values	CZ_SOP_D06_03_159, except chap. 9.1 (US EPA 8061A, CPSC-CH-C1001-09.3)	Building materials ⁸² , materials for building ⁸⁹ , waste (solid waste, biowaste), sediments, soil, rocks
2.18 ¹	Determination of phenols and cresols ⁴⁰ by gas chromatography method with MS detection and calculation of phenols and cresols sums from measured values	CZ_SOP_D06_03_160, except chap. 9.2 (US EPA 8041A, US EPA 3500)	Water ⁹¹ , extracts ⁹²
2.19 ¹	Determination of phenols and cresols ⁴⁰ by gas chromatography method with MS detection and calculation of phenols and cresols sums from measured values	CZ_SOP_D06_03_160, except chap. 9.1 (US EPA 8041A, US EPA 3500)	Building materials ⁸² , materials for building ⁸⁹ , waste (solid waste, biowaste), sediments, soil, rocks
2.20 ¹	Determination of semi volatile organic compounds ⁹ by gas chromatography method with MS or MS/MS detection and calculation of semi volatile organic compounds sums from measured values	CZ_SOP_D06_03_161 except chap. 10.1.3 – 10.1.5 (US EPA 8270D, US EPA 8082A, ČSN EN ISO 6468, US EPA 8000D)	Water ⁹¹ , extracts ⁹²
2.21 ¹	Determination of semi volatile organic compounds ⁹ by gas chromatography method with MS or MS/MS detection and calculation of semi volatile organic compounds sums from measured values	CZ_SOP_D06_03_161 except chap. 10.1.1, 10.1.2, 10.2.1, 10.2.2 (US EPA 8270D, US EPA 8082A, ČSN EN 15527, ISO 18287, ISO 10382, ČSN EN 17322)	Building materials ⁸² , materials for building ⁸⁹ , waste (solid waste, biowaste), sediments, soil, rocks

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Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Subject of the test
2.22 ¹	Determination of polycyclic aromatic hydrocarbons ¹⁰ by liquid chromatography method with FLD and PDA detection and calculation of polycyclic aromatic hydrocarbons sums from measured values	CZ_SOP_D06_03_162 (US EPA 550)	Drinking, table and infant water
2.23 ¹	Determination of polycyclic aromatic hydrocarbons ¹⁰ by liquid chromatography method with detection FLD and PDA and calculation of polycyclic aromatic hydrocarbons sums from measured values	CZ_SOP_D06_03_163, except chap. 9.1.2, 9.4.2 (US EPA 610, ČSN EN ISO 17993)	Water ⁹¹ , extracts ⁹²
2.24 ¹	Determination of polycyclic aromatic hydrocarbons ¹⁰ by liquid chromatography method with FLD and PDA detection and calculation of polycyclic aromatic hydrocarbons sums from measured values	CZ_SOP_D06_03_163, except chap. 9.1.1, 9.4.1 (US EPA 610, US EPA 3550, ČSN EN 16181)	Solid samples ⁸⁵
2.25 ¹	Determination of glycols ²⁶ by gas chromatography method with MS detection	CZ_SOP_D06_03_164	Water ⁹¹ , cooling liquids, anti-freeze fluid
2.26 ¹	Determination of polycyclic aromatic hydrocarbons ¹⁰ by liquid chromatography method with FLD and PDA detection and calculation of polycyclic aromatic hydrocarbons sums from measured values and results recalculation to the volume of air	CZ_SOP_D06_03_165 (ISO 11338-2)	Emission ⁷⁸ , imission ⁷⁹
2.27 ¹	Determination of polychlorinated biphenyls ³⁹ by gas chromatography method with ECD detection and calculation of polychlorinated biphenyls sums from measured values	CZ_SOP_D06_03_166 except chap. 10.1 – 10.3 (DIN 38407-3, US EPA 8082)	Water ⁹¹ , extracts ⁹²
2.28 ¹	Determination of polychlorinated biphenyls ¹¹ by gas chromatography method with ECD detection and calculation of polychlorinated biphenyls sums from measured values	CZ_SOP_D06_03_166 except chap. 10.4 (US EPA 8082, ISO 10382, ČSN EN 17322)	Solid samples ⁸⁵ , sealing materials
2.29 ¹	Determination of alkylphenols and alkylphenol ethoxylates ²⁸ by gas chromatography method with MS or MS/MS detection and calculation of alkylphenols and alkylphenol ethoxylates sums from measured values	CZ_SOP_D06_03_167 (European Standard BT WI CSS99040)	Sediments, soils, rocks
2.30 ¹	Determination of polychlorinated biphenyls ¹¹ - congener analyses by gas chromatography method with ECD detection and calculation of polychlorinated biphenyls sums from measured values	CZ_SOP_D06_03_168 (ČSN EN 12766-1, ČSN EN 61619)	Oil hydrocarbons, used oils, insulating liquids
2.31 ¹	Determination of organochlorine pesticides and other halogen compounds ¹² by gas chromatography method with ECD detection and calculation of organochlorine pesticides and other halogen compounds sums from measured values	CZ_SOP_D06_03_169 except chap. 10.1 (ČSN EN ISO 6468, US EPA 8081, DIN 38407-3)	Water ⁹¹ , extracts ⁹²

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Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Subject of the test
2.32 ¹	Determination of organochlorine pesticides and other halogen compounds ¹² by gas chromatography method with ECD detection and calculation of organochlorine pesticides and other halogen compounds sums from measured values	CZ_SOP_D06_03_169 except chap. 10.2 (US EPA 8081, ISO 10382)	Solid samples ⁸⁵
2.33 ¹	Determination of perchlorates by liquid chromatography with MS/MS detection	CZ_SOP_D06_03_170.A (US EPA 6850)	Drinking water
2.34 ¹	Determination of perchlorates by liquid chromatography with MS/MS detection	CZ_SOP_D06_03_170.B (US EPA 6850)	Sediments, sludges, soils, rocks
2.35 ³	Determination of polychlorinated dibenzo- <i>p</i> -dioxins and dibenzofuranes ¹³ in emissions by isotope dilution method using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_170 (US EPA 23, US EPA 23A)	Emission ⁷⁸
2.36 ³	Determination of polychlorinated dibenzo- <i>p</i> -dioxins and dibenzofuranes ¹³ in immission by isotope dilution method using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_171 (US EPA TO-9A)	Imission ⁷⁹
2.37 ³	Determination of coplanar polychlorinated biphenyls ¹⁴ in stationary emission sources by isotope dilution method using HRGC-HRMS and calculation of PCB sums and TEQ parameter from measured values	CZ_SOP_D06_06_172 (JIS K 0311)	Emission ⁷⁸ , imission ⁷⁹
2.38 ³	Determination of polychlorinated biphenyls ¹⁴ by isotope dilution method using HRGC-HRMS and calculation of PCB sums and TEQ parameter from measured values	CZ_SOP_D06_06_173, except chap. 10.2.3.2-10.2.3.8, 10.2.4, 10.2.5 (US EPA 1668A, ČSN EN 16190)	Water ⁹¹
2.39 ³	Determination of polychlorinated biphenyls ¹⁴ by isotope dilution method using HRGC-HRMS and calculation of PCB sums and TEQ parameter from measured values	CZ_SOP_D06_06_173, except chap. 10.2.3.1, 10.2.3.7, 10.2.3.8, 10.2.5 (US EPA 1668A, ČSN EN 16190)	Solid samples ⁸⁵ , building materials ⁸² , materials for building ⁸⁹
2.40 ³	Determination of polychlorinated biphenyls ¹⁴ by isotope dilution method using HRGC-HRMS and calculation of PCB sums and TEQ parameter from measured values	CZ_SOP_D06_06_173, except chap. 10.2.3.1-10.2.3.7, 10.2.4 (US EPA 1668A, ČSN EN 16190)	Biological materials ⁷⁷ , vegetable materials ⁸⁸ , animal materials ⁹³
2.41 ³	Determination of polychlorinated biphenyls ¹⁴ by isotope dilution method using HRGC-HRMS and calculation of PCB sums and TEQ parameter from measured values	CZ_SOP_D06_06_173, except chap. 10.2.3.1-10.2.3.6 (US EPA 1668A, ČSN EN 16190)	SPMD, food, feed ⁸³ , biotic materials
2.42 ³	Determination of polychlorinated dibenzo- <i>p</i> -dioxins and dibenzofuranes ¹³ in emission samples by isotope dilution method using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_174 (ČSN EN 1948-2, ČSN EN 1948-3)	Emission ⁷⁸

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Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Subject of the test
2.43 ³	Determination of tetra- to octa-chlorinated dioxins and furanes ¹³ by isotope dilution method using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_175, except chap. 10.2.3.2 - 10.2.3.8, 10.2.4, 10.2.5 (US EPA 1613B, ČSN EN 16190)	Water ⁹¹
2.44 ³	Determination of tetra- to octa-chlorinated dioxins and furanes ¹³ by isotope dilution method using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_175, except chap. 10.2.3.1, 10.2.3.7, 10.2.3.8, 10.2.5 (US EPA 1613 B, ČSN EN 16190)	Solid samples ⁸⁵ , building materials ⁸² , materials for building ⁸⁹
2.45 ³	Determination of tetra- to octa-chlorinated dioxins and furanes ¹³ by isotope dilution method using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_175, except chap. 10.2.3.1 - 10.2.3.7, 10.2.4 (US EPA 1613B, ČSN EN 16190)	Biological materials ⁷⁷ , vegetable materials ⁸⁸ , animal materials ⁹³
2.46 ³	Determination of tetra- to octa-chlorinated dioxins and furanes ¹³ by isotope dilution method using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_175 except chap. 10.2.3.1 - 10.2.3.6 (US EPA 1613B, ČSN EN 16190)	SPMD, food, feed ⁸³ , biotic materials
2.47 ³	Determination of polychlorinated dibenzodioxins (PCDD) and polychlorinated dibenzofurans (PCDF) ¹³ using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_176, except chap. 10.2.3.2 - 10.2.3.7, 10.2.4, 10.2.5 (US EPA 8290A)	Water ⁹¹
2.48 ³	Determination of polychlorinated dibenzodioxins (PCDD) and polychlorinated dibenzofurans (PCDF) ¹³ using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_176, except chap. 10.2.3.1, 10.2.3.6, 10.2.5 (US EPA 8290A)	Solid samples ⁸⁵
2.49 ³	Determination of polychlorinated dibenzodioxins (PCDD) and polychlorinated dibenzofurans (PCDF) ¹³ using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_176, except chap. 10.2.3.1 - 10.2.3.6, 10.2.4 (US EPA 8290A)	Biological materials ⁷⁷
2.50 ³	Determination of polychlorinated dibenzodioxins (PCDD) and polychlorinated dibenzofurans (PCDF) ¹³ using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_176, except chap. 10.2.3.1 - 10.2.3.6 (US EPA 8290A)	Food, feed ⁸³ , biotic materials
2.51 ³	Determination of selected brominated flame retardants (BFR) ¹⁵ by isotope dilution method using HRGC-HRMS and calculation of brominated flame retardants sums from measured values	CZ_SOP_D06_06_177, except chap. 10.2.3.2 - 10.2.3.8, 10.2.4, 10.2.5 (US EPA 1614)	Water ⁹¹
2.52 ³	Determination of selected brominated flame retardants (BFR) ¹⁵ by isotope dilution method using HRGC-HRMS and calculation of brominated flame retardants sums from measured values	CZ_SOP_D06_06_177, except chap. 10.2.3.1, 10.2.3.7, 10.2.3.8, 10.2.5 (US EPA 1614, ČSN EN 16377, ČSN EN ISO 22032)	Solid samples ⁸⁵ , building materials ⁸² , materials for building ⁸⁹

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Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Subject of the test
2.53 ³	Determination of selected brominated flame retardants (BFR) ¹⁵ by isotope dilution method using HRGC-HRMS and calculation of brominated flame retardants sums from measured values	CZ_SOP_D06_06_177, except chap. 10.2.3.1 - 10.2.3.7, 10.2.4 (US EPA 1614)	Biological materials ⁷⁷ , vegetable materials ⁸⁸ , animal materials ⁹³
2.54 ³	Determination of selected brominated flame retardants (BFR) ¹⁵ by isotope dilution method using HRGC-HRMS and calculation of brominated flame retardants sums from measured values	CZ_SOP_D06_06_177, except chap. 10.2.3.1 - 10.2.3.6, (US EPA 1614)	SPMD, food, feed ⁸³ , biotic materials
2.55 ¹	Determination of alkylphenols and alkylphenol ethoxylates ¹⁶ by gas chromatography method with MS or MS/MS detection and calculation of alkylphenols and alkylphenol ethoxylates sums from measured values	CZ_SOP_D06_03_178 (ČSN EN ISO 18857-2)	Water ⁹¹ , extracts ⁹²
2.56 ³	Determination of PCB ¹⁴ in emission samples by isotope dilution method using HRGC-HRMS and calculation of PCB sums from measured values	CZ_SOP_D06_06_179 (ČSN EN 1948-4, US EPA TO-4-A)	Emission ⁷⁸ , imission ⁷⁹ , working environment ⁸⁷
2.57 ³	Determination of polycyclic aromatic hydrocarbons ⁵⁴ by isotope dilution method using HRGC-HRMS and calculation of the sums of polycyclic aromatic hydrocarbons from the measured values	CZ_SOP_D06_06_180 except chap. 10.3.3.1 - 10.3.3.6, 10.3.3.8 - 10.3.3.10, 10.3.5 (US EPA 429, ISO 11338, US EPA 3540)	Solid samples ⁸⁵ , building materials ⁸² , materials for building ⁸⁹
2.58 ³	Determination of polycyclic aromatic hydrocarbons ⁵⁴ by isotope dilution method using HRGC-HRMS and calculation of the sums of polycyclic aromatic hydrocarbons from the measured values	CZ_SOP_D06_06_180, except chap. 10.3.3.6 - 10.3.3.10, 10.3.4, 10.3.5 (US EPA 429, ISO 11338, US EPA TO-13A, ČSN EN 15549)	Emission ⁷⁸ , imission ⁷⁹ , working environment ⁸⁷
2.59 ³	Determination of polycyclic aromatic hydrocarbons ⁵⁴ by isotope dilution method using HRGC-HRMS and calculation of polyaromatic hydrocarbons sums from measured values	CZ_SOP_D06_06_180, except chap. 10.3.3.1 - 10.3.3.9, 10.3.4 (US EPA 429, STN EN 16619)	Biological materials ⁷⁷ , vegetable materials ⁸⁸ , animal materials ⁹³
2.60 ³	Determination of polycyclic aromatic hydrocarbons ⁵⁴ by isotope dilution method using HRGC-HRMS and calculation of polyaromatic hydrocarbons sums from measured values	CZ_SOP_D06_06_180, except chap. 10.3.3.1 - 10.3.3.8 (US EPA 429, STN EN 16619)	SPMD, food, feed ⁸³ , biotic materials
2.61 ³	Determination of polycyclic aromatic hydrocarbons ⁵⁴ by isotope dilution method using HRGC-HRMS and calculation of polyaromatic hydrocarbons sums from measured values	CZ_SOP_D06_06_180, except chap. 10.3.3.1 - 10.3.3.7, 10.3.3.9, 10.3.3.10, 10.3.4, 10.3.5 (US EPA 429, ISO 11338, IP 346)	Oils

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Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Subject of the test
2.62 ¹	Determination of semi-volatile organic compounds ²⁷ by gas chromatography method with MS detection and calculation of semi-volatile organic compounds sums from measured values	CZ_SOP_D06_03_181 (US EPA 429, US EPA 1668, US EPA 3550)	Sediments, soils, rocks
2.63 ¹	Determination of acidic herbicides, drug residues and other pollutants ²⁹ by liquid chromatography method with MS/MS detection and calculation of acidic herbicides, drug residues and other pollutants sums from measured values	CZ_SOP_D06_03_182.A (DIN 38407-35)	Water ⁹¹
2.64 ¹	Determination of acidic herbicides and drug residues ¹⁷ by liquid chromatography method with MS/MS detection	CZ_SOP_D06_03_182.B (ČSN EN 15637, US EPA 1694)	Sediments, sludges, soils, rocks
2.65 ¹	Determination of pesticides, pesticide metabolites, drug residues and other pollutants ³⁰ by liquid chromatography method with MS/MS detection and calculation of pesticides, pesticide metabolites, drug residues and other pollutants sums from measured values	CZ_SOP_D06_03_183.A (US EPA 535, US EPA 1694)	Water ⁹¹
2.66 ¹	Determination of pesticides, pesticide metabolites, drug residues and other pollutants ^{70 and 71} by liquid chromatography method with MS/MS detection and calculation of pesticides, pesticides metabolites, drug residues and other pollutants sums from measured values	CZ_SOP_D06_03_183.B (ČSN EN 15637, US EPA 1694)	Sediments, sludges, soils, rocks, building materials ⁸² , materials for building ⁸⁹
2.67 ¹	Determination of pesticides, pesticide metabolites, drug residues and other pollutants ⁷² by liquid chromatography method with MS/MS detection and calculation of pesticides, pesticides metabolites, drug residues and other pollutants sums from measured values	CZ_SOP_D06_03_183.C (ČSN EN 15662)	Vegetable materials ⁸⁸ , animal materials ⁹³
2.68 ¹	Determination of pesticides ³¹ by gas chromatography method with MS or MS/MS detection and calculation of pesticides sums from measured values	CZ_SOP_D06_03_184 (US EPA 8141B, US EPA 3535A, ČSN EN 12918)	Water ⁹¹
2.69 ¹	Determination of pesticides and pesticide metabolites ³² by derivatization and liquid chromatography method with MS/MS detection and calculation of pesticides and pesticide metabolites sums from measured values	CZ_SOP_D06_03_185.A (ČSN ISO 21458)	Water ⁹¹
2.70 ¹	Determination of pesticides and pesticide metabolites ⁴⁶ by derivatization and liquid chromatography method with MS/MS detection	CZ_SOP_D06_03_185.B (Journal of Chromatography A, 1292 (2013) 132-141, EC Decision No. 2002/657/EC)	Sediments, sludges, soils, rocks
2.71 ¹	Determination of complexing substances ³³ by gas chromatography method with MS detection	CZ_SOP_D06_03_186 (ČSN EN ISO 16588)	Water ⁹¹
2.72 ¹	Determination of polycyclic aromatic hydrocarbons derivatives ³⁶ by liquid chromatography method with MS detection	CZ_SOP_D06_03_187 (Journal of Chromatography A, 1133 (2006) 241-247)	Emission ⁷⁸ , imission ⁷⁹

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Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Subject of the test
2.73 ¹	Determination of organic acids ³⁷ by capillary electrophoresis method with UV detection	CZ_SOP_D06_03_188.A (Lumex Company manual, Kudrjashova, M.: Capillary electrophoretic monitoring of microbial growth: determination of organic acids, COPYRIGHT 2004 Estonian Academy Publishers, June 2004 Source Volume: 53 Source Issue: 2, ISSN: 1406-0124)	Water ⁹¹
2.74 ¹	Determination of organic acids ³⁷ by capillary electrophoresis method with UV detection	CZ_SOP_D06_03_188.B (Lumex Company manual, Kudrjashova, M.: Capillary electrophoretic monitoring of microbial growth: determination of organic acids, COPYRIGHT 2004 Estonian Academy Publishers, June 2004 Source Volume: 53 Source Issue: 2, ISSN: 1406-0124)	Feed ⁸³ , composts, digestate
2.75 ¹	Determination of gases ³⁸ by gas chromatography method with detection FID and TCD	CZ_SOP_D06_03_189 (EPA Method RSK-175)	Water ⁹¹ , liquid samples ⁸¹
2.76 ¹	Low limit determination of volatile organic compounds ³ by gas chromatography method with MS detection and calculation of volatile organic compounds sums from measured values	CZ_SOP_D06_03_190, except chap. 12.1, 13.1.1, 13.1.2, 14.1, 16.1 (US EPA 5021, US EPA 8260)	Water ⁹¹
2.77 ¹	Low limit determination of volatile organic compounds ³ by gas chromatography method with MS detection and calculation of volatile organic compounds sums from measured values	CZ_SOP_D06_03_190, except chap. 12.2, 13.2.1, 13.2.2, 14.2, 16.2 (US EPA 5021, US EPA 8260)	Solid samples ⁸⁵
2.78 ¹	Determination of chlorinated alkanes ³⁴ by gas chromatography method with MS/MS detection	CZ_SOP_D06_03_192.A (ČSN EN ISO 12010)	Water ⁹¹
2.79 ¹	Determination of chlorinated alkanes ³⁴ by gas chromatography method with MS/MS detection	CZ_SOP_D06_03_192.B (ČSN EN ISO 12010, ČSN EN ISO 18635)	Building materials ⁸² , materials for building ⁸⁹ , sediments, soils
2.80 ¹	Determination of aniline and aniline derivatives ²¹ by gas chromatography method with MS detection	CZ_SOP_D06_03_193 (US EPA 8270)	Sediments, sludges, soils, rocks
2.81 ¹	Determination of chlorinated phenols ⁵⁵ by liquid chromatography method with MS/MS detection	CZ_SOP_D06_03_194 (2002/657/ES, 96/23/ES)	Water ⁹¹
2.82 ¹	Determination of drug residues ⁵⁶ by liquid chromatography with MS/MS detection and results recalculation to the volume of air	CZ_SOP_D06_03_195 (Jia Yu et al.: Biomed. Chromatogr. 2011; 25: 511–516)	Working environment ⁸⁷
2.83 ¹	Determination of epichlorohydrin by gas chromatography method with MS/MS detection	CZ_SOP_D06_03_196 (Agilent Technologies Application list 5990-6433EN)	Water ⁹¹
2.84 ¹	Determination of perfluorinated and brominated compounds ⁵⁸ by liquid chromatography with MS/MS detection	CZ_SOP_D06_03_197.A (US EPA 537, ČSN P CEN/TS 15968)	Water ⁹¹ , extracts ⁹²

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Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Subject of the test
2.85 ¹	Determination of per fluorinated and brominated compounds ⁷³ by liquid chromatography with MS/MS detection	CZ_SOP_D06_03_197.B (DIN 38414-14)	Sediments, sludges, soils, rocks
2.86 ¹	Determination of volatile organic compounds ⁵⁹ by gas chromatography method with TCD and FID detection and calculation of volatile organic compounds percentage from measured values	CZ_SOP_D06_03_198 (ČSN EN ISO 11890-2)	Organic solvents
2.87 ³	Determination of fat by gravimetry	CZ_SOP_D06_06_199 (US EPA 1613)	Food, feed ⁸³ , biological materials ⁷⁷
2.88 ¹	Determination of 3-chloro-1,2-propanediol by gas chromatography method with MS detection	CZ_SOP_D06_03_200 (LMBG 52.02(1))	Spices
2.89 ¹	Determination of drug residues and narcotic and psychotropic substances ⁶¹ by liquid chromatography method with MS/MS detection	CZ_SOP_D06_03_201.A (US EPA 1694)	Water ⁹¹
2.90 ¹	Determination of organic acids ⁶² by gas chromatography method with FID detection	CZ_SOP_D06_03_202 (Determination of Volatile Fatty Acids in sewage sludge 1979 HMSO.ISBN 0-11-75462-4)	Digestates
2.91 ¹	Determination of polycyclic aromatic hydrocarbons ⁷⁴ by gas chromatography with MS/MS detection, calculation of sums of polycyclic aromatic hydrocarbons from measured values and conversion of results to air volume	CZ_SOP_D06_03_203 (ISO 11338-2, ČSN EN 15549)	Emission ⁷⁸ , imission ⁷⁹
3	Food Organic Chemistry		
3.1 ¹	Determination of fatty acids ¹⁸ by gas chromatography method with FID detection and calculation sum of SAFA, MUFA, PUFA, TFA, Omega 3, Omega 6 ³⁵)	CZ_SOP_D06_04_202 (ČSN EN ISO 12966-1, ČSN EN ISO 12966-2)	Food, feed ⁸³ , dietary supplements
3.2 ¹	Determination of cholesterol by gas chromatography method with FID detection	CZ_SOP_D06_04_205 (Prof. ing. Jiří Davidek, MD. et al, Laboratory Manual of Food Analysis, Journal of Chromatography A.; 24 (1994); 672 (1-2): 267-272)	Fatty food, non-fatty food, dietary supplements
3.3 ¹	Determination of retinol and alpha tocopherol by liquid chromatography method with FLD detection	CZ_SOP_D06_04_206 (ČSN EN 12823-1, ČSN EN 12822)	Fats, fatty food, non-fatty food, dietary supplements, feed ⁸³ and premixes
3.4 ¹	Determination of vitamin C (ascorbic acid) by liquid chromatography method with PDA detection	CZ_SOP_D06_04_207 (ČSN EN 14130:2004)	Beverages, candy, non-fatty food, dietary supplements, fruit, vegetables
3.5 ¹	Determination of Soya protein by ELISA by commercial set	CZ_SOP_D06_04_208 (R-Biopharm Manual – Ridascreen FAST Soya)	Food, swap
3.6 ¹	Determination of substitute sweeteners ²³ by liquid chromatography method with PDA detection	CZ_SOP_D06_04_209 (ČSN EN 12856)	Beverages, milk products, jams, dietary supplements, fishes
3.7 ¹	Determination of caffeine, theobromine, and theophylline by liquid chromatography method with PDA detection	CZ_SOP_D06_04_210 (ČSN EN 12856)	Beverages, tea, coffee, cocoa, chocolate

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Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Subject of the test
3.8 ¹	Determination of preserving agents ²⁴ in food by liquid chromatography method with PDA detection	CZ_SOP_D06_04_211 (ČSN EN 12856)	Beverages, jams, vegetable and fruit sauces and pastes, mustard, fatty and milk products, dietary supplements
3.9 ¹	Determination of aflatoxin B ₁ , B ₂ , G ₁ and G ₂ by liquid chromatography method with FLD detection	CZ_SOP_D06_04_212 (ČSN EN 14123)	Food with low water content, beverages, feed ⁸³
3.10 ¹	Determination of the content of ochratoxin A by liquid chromatography method with FLD detection	CZ_SOP_D06_04_213 (ČSN EN 15829, ČSN EN 14133, ČSN EN 14132)	Food with low water content, beverages, dietary supplements, feed ⁸³
3.11 ¹	Determination of zearalenone by liquid chromatography method with FLD detection	CZ_SOP_D06_04_214 (ČSN EN 15850)	Cereals, feed ⁸³
3.12 ¹	Determination of aflatoxin M ₁ by liquid chromatography method with FLD detection	CZ_SOP_D06_04_215 (ČSN EN ISO 14501)	Milk, dried milk, and products from them
3.13 ¹	Determination of patulin by liquid chromatography method with PDA detection	CZ_SOP_D06_04_216 (ČSN EN 14177)	Food with high water content, dietary supplements, beverages
3.14 ¹	Determination of deoxynivalenol by liquid chromatography method with PDA detection	CZ_SOP_D06_04_217 (ČSN EN 15791, ČSN EN 15891)	Food with low water content, beverages, dietary supplements, feed ⁸³
3.15 ¹	Determination of vitamins B ₁ , B ₂ and B ₆ by liquid chromatography method with FLD detection	CZ_SOP_D06_04_218 (ČSN EN 14122, ČSN EN 14152, ČSN EN 14663)	Fats, fatty food, non-fatty food, feed ⁸³ , dietary supplements
3.16 ¹	Determination of folic acid by ELISA method by commercial set	CZ_SOP_D06_04_219 (R-Biopharm– Ridascreen Folic Acid Manual)	Food, feed ⁸³ , dietary supplements
3.17 ¹	Determination of biotin by ELISA method by commercial set	CZ_SOP_D06_04_220 (Demeditec Manual)	Milk, milk products, cereals and cereal products, non-alcoholic beverages, baby food, feed ⁸³ , dietary supplements
3.18 ¹	Determination of gliadin (gluten) by sandwich enzyme immunoassay ELISA Method by commercial set	CZ_SOP_D06_04_221.A (R-Biopharm– Ridascreen Gliadin Manual)	Fatty food, non-fatty food, dietary supplements, swabs
3.19 ¹	Determination of gliadin (gluten) by competitive immunoassay ELISA Method by commercial set	CZ_SOP_D06_04_221.B (R-Biopharm– Ridascreen Gliadin Manual)	Fermented and hydrolyzed foods and beverages ⁸⁰
3.20 ¹	Determination of casein allergen by ELISA method by commercial set	CZ_SOP_D06_04_222 (Bio-Check - Casein Check Manual)	Food, dietary supplements, swabs
3.21 ¹	Determination of β-lactoglobulin allergen by ELISA method with a commercial kit	CZ_SOP_D06_04_223 (Bio-Check– β-lactoglobulin Check Manual)	Food, dietary supplements, swabs
3.22 ¹	Determination of mustard allergen by ELISA method by commercial set	CZ_SOP_D06_04_224 (Bio-Check– Mustard Check Manual)	Food, dietary supplements, swabs

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Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Subject of the test
3.23 ¹	Determination of niacin by liquid chromatography method with PDA detection	CZ_SOP_D06_04_225 (ČSN EN 15652)	Fatty food, non-fatty food, feed ⁸³ , dietary supplements
3.24 ¹	Determination of soya protein by ELISA method by commercial set	CZ_SOP_D06_04_226 (Biokits Neogen– Soya assay Biokits Manual)	Meat products
3.25 ¹	Determination of parabens contain by liquid chromatography method with PDA detection	CZ_SOP_D06_04_227 (HPLC for Food Analysis, Agilent Technologies 1996-2001)	Cosmetics
3.26 ¹	Determination of peanut protein allergen by ELISA method by commercial set	CZ_SOP_D06_04_228 (Bio-Check– Peanut Check Manual)	Fatty food, non-fatty food, feed ⁸³ , dietary supplements
3.27 ¹	Determination of fat-soluble vitamins (D2 and D3) by two-dimensional liquid chromatography method with PDA detection	CZ_SOP_D06_04_229 (AN-1069 Thermo – Application list)	Fats, fatty food, non-fatty food, dietary supplements, feed ⁸³ , premixes
3.28 ¹	Determination of Vitamin B12 by ELISA method by commercial set	CZ_SOP_D06_04_230 (R-Biopharm– Ridascreen Fast Vitamin B12 Manual)	Food, feed ⁸³ , dietary supplements
3.29 ¹	Determination of fat-soluble vitamins (vitamins A, E) by liquid chromatography method with FLD detection	CZ_SOP_D06_04_231 (ČSN EN 128 23-1, ČSN EN 128 22)	Cosmetic masks
3.30 ¹	Determination of water-soluble vitamins (vitamin C) by liquid chromatography method with PDA detection	CZ_SOP_D06_04_232 (ČSN EN 14130:2004)	Cosmetic masks
3.31 ¹	Determination of almond allergen by ELISA method by commercial set	CZ_SOP_D06_04_233 (Bio-Check– Almonde Check Manual)	Food, dietary supplements, swabs
3.32 ¹	Determination of hazelnut allergen by ELISA method by commercial set	CZ_SOP_D06_04_234 (Bio-Check– Hazelnut Check Manual)	Food, dietary supplements, swabs
3.33 ¹	Determination of egg allergen (egg white proteins) by ELISA method by commercial set	CZ_SOP_D06_04_235 (Bio-Check– Egg Check Manual)	Food, dietary supplements, swabs
3.34 ¹	Determination of milk allergen (casein and β -lactoglobulin proteins) by ELISA method by commercial set	CZ_SOP_D06_04_236 (Bio-Check– Milk Check Manual)	Food, dietary supplements, swabs
3.35 ¹	Determination of sesame allergen by ELISA method by commercial set	CZ_SOP_D06_04_237 (Bio-Check– Sesame Check Manual)	Food, dietary supplements, swabs
3.36 ¹	Determination of pantothenic acid by liquid chromatography with PDA detection	CZ_SOP_D06_04_238	Dietary supplements
4	Water Microbiology		
4.1 ¹	Enumeration of mesophilic bacteria by cultivation	ČSN 75 7841	Surface, ground, waste, pool water
4.2 ¹	Enumeration of psychrophilic bacteria by cultivation	ČSN 75 7842	Surface, ground, waste, pool water
4.3 ¹	Enumeration of intestinal enterococci by membrane filtration	ČSN EN ISO 7899-2 STN EN ISO 7899-2	Drinking, bottled, pool, raw, treated ⁹⁰ , ground, surface, waste water
4.4 ¹	Enumeration of culturable microorganisms a) at 22 °C b) at 36 °C by cultivation	ČSN EN ISO 6222 STN EN ISO 6222	Drinking, bottled, natural, mineral, pool, raw, treated ⁹⁰ , ground water

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Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Subject of the test
4.5 ¹	Enumeration of thermotolerant coliform bacteria and <i>Escherichia coli</i> by membrane filtration	ČSN 75 7835	Drinking, surface, ground, pool, waste water
4.6 ¹	Enumeration of <i>Escherichia coli</i> and coliform bacteria by membrane filtration	ČSN EN ISO 9308-1 STN EN ISO 9308-1	Drinking, pool, bottled, raw, treated ⁹⁰ , ground water
4.7 ¹	Enumeration of <i>Pseudomonas aeruginosa</i> by membrane filtration	ČSN EN ISO 16266 STN EN ISO 16266	Drinking, bottled, natural mineral, pool, surface, waste water
4.8 ¹	Enumeration of coagulase-positive staphylococci (<i>Staphylococcus Aureus</i> and other species) by membrane filtration	ČSN EN ISO 6888-1 ČSN EN ISO 8199	Pool, surface, waste, drinking, ground water
4.9 ¹	Enumeration of <i>Candida</i> yeasts by membrane filtration	CZ_SOP_D06_04_258 (Hausler, J.: Microbiological Culture Methods of Quality Inspection, Volume III, 1995)	Pool, surface, waste water
4.10 ¹	Enumeration of <i>Clostridium perfringens</i> by membrane filtration	CZ_SOP_D06_04_259 (GR 252/2004 Coll., Annex 6, GR No. 354/2006 Coll., Annex.3)	Drinking, bottled, pool, natural mineral, raw, treated ⁹⁰ , ground water
4.11 ¹	Detection of <i>Salmonella</i> by membrane filtration	ČSN ISO 19250	Drinking, surface, ground, pool, waste water
4.12 ¹	Determination of bioseston by microscopy	ČSN 75 7712 STN 757711	Drinking, bottled, raw, treated ⁹⁰ , ground water
4.13 ¹	Determination of abioseston by microscopy	ČSN 75 7713 STN 757712	Drinking, bottled, raw, treated ⁹⁰ , ground water
4.14 ¹	Detection and enumeration of <i>Legionella</i> by cultivation and membrane filtration	ČSN EN ISO 11731	Water ⁹¹ , treated water ⁹⁰
4.15 ¹	Detection and enumeration of <i>Legionella</i> by cultivation	ČSN EN ISO 11731	Sediments, alluvium, growths
4.16 ¹	Detection and enumeration of <i>Legionella</i> by cultivation	ČSN EN ISO 11731	Swabs
4.17 ¹	Enumeration of Coliform bacteria by membrane filtration	ČSN 75 7837	Non-disinfected water
4.18 ¹	Enumeration of sulphite the spores of sulfite-reducing anaerobes (<i>Clostridium</i>) by membrane filtration	ČSN EN 26461-2	Water ⁹¹
4.19 ¹	Microbiological testing of water for haemodialysis. Enumeration of viable microorganisms	CZ_SOP_D06_04_266 (ČSN EN ISO 23500-3)	Dialysis water
4.20 ¹	Microbiological testing of dialysis fluid for haemodialysis. Enumeration of viable microorganisms	CZ_SOP_D06_04_267 (ČSN EN ISO 23500-5)	Dialysis fluid
4.21 ¹	Determination of the concentration of bacterial endotoxins by the LAL test: turbidimetric kinetic method	CZ_SOP_D06_04_268 (Ph. Eur. chapter 2.6.14)	Dialysis water, dialysis fluid, water purified, water highly purified, water for injection
4.22 ¹	Determination of the total number of microorganisms	CZ_SOP_D06_04_269 (Ph. Eur chapter 6.3:0008, 6.3:1927, 6.3:0169)	Water purified, water highly purified, water for injection

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Subject of the test
4.23 ¹	Test for specific micro-organisms – Detection of <i>Pseudomonas Aeruginosa</i> bacteria	CZ_SOP_D06_04_270 (Ph. Eur chapter 6.3:0008, 6.3:1927, 6.3:0169)	Water purified, water highly purified, water for injection
5	Microbiology		
5.1 ¹	Enumeration of microorganisms by cultivation	ČSN EN ISO 4833-1	Food, feed ⁸³ , dietary supplements
5.2 ¹	Enumeration of coliform bacteria by cultivation	ČSN ISO 4832	Food, feed ⁸³ , dietary supplements
5.3 ¹	Enumeration of enterococci by cultivation	CZ_SOP_D06_04_302 (ČSN 56 0100:1994)	Food, feed ⁸³ , dietary supplements
5.4 ¹	Enumeration of <i>Bacillus cereus</i> by cultivation	ČSN EN ISO 7932	Food, feed ⁸³ , dietary supplements
5.5 ¹	Enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) by cultivation	ČSN EN ISO 6888-1	Food, feed ⁸³ , dietary supplements
5.6 ¹	Enumeration of <i>Clostridium perfringens</i> by cultivation	ČSN EN ISO 7937	Food, feed ⁸³ , dietary supplements
5.7 ¹	Detection of <i>Salmonella</i> by cultivation	ČSN EN ISO 6579-1	Food, feed ⁸³ , dietary supplements
5.8 ¹	Detection of <i>Salmonella</i> by cultivation	CZ_SOP_D06_04_307, except chap. 9.1.2 (ČSN EN ISO 6579, AHEM No. 1/2008)	Sludge, bio waste, compost, substrates, soils
5.9 ¹	Detection of <i>Salmonella</i> by cultivation	CZ_SOP_D06_04_307, except chap. 9.1.1 (ČSN EN ISO 6579, AHEM No. 1/2008)	Biological materials ⁷⁷
5.10 ¹	Determination of inhibiting substances by Delvotest method	CZ_SOP_D06_04_308 (O.K. Servis BioPro Manual)	Milk
5.11 ¹	Detection of <i>Salmonella</i> by ELISA method - commercial set Solus Salmonella	CZ-SOP-D06_04_309 (Solus Manual)	Food, feed ⁸³ , dietary supplements
5.12 ¹	Enumeration of yeasts and moulds by cultivation	ČSN ISO 21527-1,2	Food, feed ⁸³ , dietary supplements
5.13 ¹	Detection of <i>Enterobacteriaceae</i> by cultivation	ČSN ISO 21528-1	Food, feed ⁸³ , dietary supplements
5.14 ¹	Enumeration of spore-forming microorganisms by cultivation	CZ_SOP_D06_04_312 (ČSN 56 0100:1994, Article 87)	Food, feed ⁸³
5.15 ¹	Detection of <i>Vibrio parahaemolyticus</i> and <i>Vibrio species</i> by cultivation	ČSN EN ISO 21872-1,2	Food, feed ⁸³
5.16 ¹	Enumeration of mesophilic lactic acid bacteria by cultivation	ČSN ISO 15214	Food, feed ⁸³ , dietary supplements
5.17 ¹	Detection of <i>Shigella spp.</i> by cultivation	ČSN EN ISO 21567	Food, feed ⁸³
5.18 ¹	Detection of <i>Campylobacter spp.</i> by cultivation	ČSN EN ISO 10272-1	Food, feed ⁸³
5.19 ¹	Detection of presumptive pathogenic <i>Yersinia enterocolitica</i> by cultivation	ČSN EN ISO 10273	Food, feed ⁸³
5.20 ¹	Enumeration of Enterobacteriaceae by cultivation	ČSN ISO 21528-2	Food, feed ⁸³ , dietary supplements
5.21 ¹	Enumeration of beta-glucuronidase-positive <i>Escherichia coli</i> by cultivation	ČSN ISO 16649-2	Food, feed ⁸³ , dietary supplements

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Subject of the test
5.22 ¹	Detection and enumeration of <i>Listeria monocytogenes</i> by cultivation	ČSN EN ISO 11290-1 ČSN EN ISO 11290-2	Food, feed ⁸³ , dietary supplements
5.23 ¹	Enumeration of potentially toxigenic moulds on special media by cultivation	CZ_SOP_D06_04_321 (AHEM No. 1/2003)	Food, feed ⁸³
5.24 ¹	Enumeration of microorganisms in air by aeroscopy and sedimentation method	CZ_SOP_D06_04_322 (ČSN 56 0100:1994, Article 149, 150 AHEM No. 1/2002)	Internal air environment
5.25 ¹	Determination of microbial contamination of areas, surface of equipment and packages using swab method	CZ_SOP_D06_04_323 (ČSN 56 0100:1994, Article 145)	Areas, surface, packaging materials, surface of food
5.26 ¹	Enumeration of thermotolerant coliform bacteria and <i>Escherichia coli</i> by cultivation	CZ_SOP_D06_04_324 (AHEM No. 1/2008, ČSN ISO 16649-2)	Sludge, bio waste, compost, substrates, soils, sand
5.27 ¹	Enumeration of enterococci by cultivation	CZ_SOP_D06_04_325 (AHEM No. 1/2008, ČSN EN ISO 7899-2)	Sludge, bio waste, compost, substrates, soils, sand
5.28 ¹	Detection of <i>Listeria</i> by ELISA method - commercial set Solus Listeria	CZ_SOP_D06_04_326 (Solus Manual)	Food, feed ⁸³ , dietary supplements
5.29 ¹	Determination of the number of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) - method of detection	ČSN EN ISO 6888-3	Food, feed ⁸³ , dietary supplements
5.30 ¹	Determination of low numbers of <i>Bacillus cereus</i> - method of detection	ČSN EN ISO 21871	Food, feed ⁸³ , dietary supplements
5.31 ¹	Detection of <i>Cronobacter (Enterobacter) sakazakii</i> by cultivation	ČSN EN ISO 22964	Milk and milk products
5.32 ¹	Detection and enumeration of aerobic mesophilic bacteria by cultivation	ČSN EN ISO 21149	Cosmetics
5.33 ¹	Detection of <i>Pseudomonas aeruginosa</i> by cultivation	ČSN EN ISO 22717 ČSN EN ISO 18415	Cosmetics
5.34 ¹	Detection of <i>Staphylococcus aureus</i> by cultivation	ČSN EN ISO 22718 ČSN EN ISO 18415	Cosmetics
5.35 ¹	Detection of <i>Candida albicans</i> by cultivation	ČSN EN ISO 18416 ČSN EN ISO 18415	Cosmetics
5.36 ¹	Detection of <i>Escherichia coli</i> by cultivation	ČSN EN ISO 21150 ČSN EN ISO 18415	Cosmetics
5.37 ¹	Enumeration of yeast and mould by cultivation	ČSN EN ISO 16212	Cosmetics
5.38 ¹	Evaluation of antimicrobial protection of cosmetic product, test of conservation effectiveness	CZ_SOP_D06_04_336 (ČSN EN ISO 11930, Ph. Eur., chapter 5.1.3)	Cosmetics
5.39 ¹	Horizontal method for the detection and enumeration of presumptive <i>Escherichia coli</i> - Technique of most probable number	ČSN ISO 7251 expect article 9.2	Food, feed ⁸³
5.40 ¹	Microbiological testing of non-sterile products – Determination of the number of microorganisms	CZ_SOP_D06_04_338 (Ph. Eur., chapter 2.6.12)	Pharmaceutical products, intermediates, raw materials. veterinary medicines, biopreparations, dietary supplements
5.41 ¹	Microbiological testing of non-sterile products – Tests for specific micro-organisms	CZ_SOP_D06_04_339 (Ph. Eur., chapter 2.6.13)	Pharmaceutical products, intermediates, raw materials.

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			veterinary medicines, biopreparations, dietary supplements
6	Ecotoxicology		
6.1 ²	Determination of the acute lethal toxicity of substance to a freshwater fish	CZ_SOP_D06_07_350 (ČSN EN ISO 7346-1, ČSN EN ISO 7346-2, STN 83 8303)	Surface, ground and waste water ⁸⁴ , extracts of waste, solutions and extracts of chemical substances and agents
6.2 ²	Determination of the inhibition of the mobility of <i>Daphnia magna Straus</i> - Acute toxicity test	CZ_SOP_D06_07_351 (ČSN EN ISO 6341, STN 83 8303)	Surface, ground and waste water ⁸⁴ , extracts of waste, solutions and extracts of chemical substances and agents
6.3 ²	Freshwater algal growth inhibition test	CZ_SOP_D06_07_352 (ČSN EN ISO 8692, STN 83 8303)	Surface, ground and waste water ⁸⁴ , extracts of waste, solutions and extracts of chemical substances and agents
6.4 ²	Toxicity test on seeds of white mustard (<i>Sinapis alba</i>)	CZ_SOP_D06_07_353 (Ministry of Environment Bulletin, Volume XVII, Part 4/2007, p. 13-14; Waste Department Guidance for the determination of waste ecotoxicity, Annex 1 "Test on the seeds of white mustard (<i>Sinapis alba</i>)" ⁶ , STN 83 8303)	Surface, ground and waste water ⁸⁴ , extracts of waste, solutions and extracts of chemical substances and agents
6.5 ²	Determination of the inhibitory effect of water samples on the light emission of <i>Vibrio fischeri</i>	CZ_SOP_D06_07_354 (ČSN EN ISO 11348-2)	Surface, ground and waste water ⁸⁴ , extracts ⁹² , percolation water, saline, and brackish water
6.6 ²	<i>Folsomia candida</i> reproduction test – determination of the inhibition.	CZ_SOP_D06_07_355 (ČSN EN ISO 11267)	Waste, soils, sediments
6.7 ²	<i>Enchytraeus crypticus</i> reproduction test – determination of inhibition	CZ_SOP_D06_07_356 (ČSN EN ISO 16387)	Waste, soils, sediments
6.8 ²	<i>Lactuca sativa</i> – determination of inhibition of root growth	CZ_SOP_D06_07_357 (ČSN EN ISO 11269-1)	Waste, soils, sediments
6.9 ²	Determination of nitrification activity and its inhibition	CZ_SOP_D06_07_358 (ČSN ISO 15685)	Waste, soils, sediments
6.10 ²	Determination of the inhibition of the growth, germination, and germination index (phytotoxicity) of Garden Cress (<i>Lepidium sativum</i>) - Acute toxicity test	CZ_SOP_D06_07_359 (F. Zucchini et al.: Biological evaluation of compost maturity. BioCycle, 22(2), 1981, pages 27–29.)	Surface, ground and waste water ⁸⁴ , extracts of waste and composts, solutions and extracts of chemical substances and agents
6.11 ²	Determination of the inhibition of the growth of Lesser Duckweed (<i>Lemna minor</i>) - Acute toxicity test	CZ_SOP_D06_07_1350 (ČSN EN ISO 20079)	Surface, ground and waste water ⁸⁴ , extracts of waste and composts, solutions and extracts of chemical substances and agents

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Subject of the test
7	Radiology		
7.1 ²	Determination of gross alpha activity by measuring evaporated residue in a mixture with ZnS(Ag) scintillator	ČSN 75 7611, chap. 4	Water ⁹¹ , extracts ⁹²
7.2 ²	Determination of gross alpha activity by measuring incinerated evaporated residue by means of proportional detector	ČSN 75 7611, chap. 5	Water ⁹¹ , extracts ⁹²
7.3 ²	Determination of gross beta activity by measuring evaporated residue by means of proportional detector and calculation of gross beta activity corrected for potassium 40 from measured values	CZ_SOP_D06_07_361 (ČSN 75 7612, ČSN EN ISO 9697, SÚJB Recommendation „Measurement and assessment of the content of natural radionuclides in drinking water from public sources and bottled water”, DR-RO-5.1 (Rev. 0.0), Prague 2017)	Water ⁹¹ , extracts ⁹²
7.4 ²	Determination of radium 226 after concentration by scintillation emanometry	ČSN 75 7622	Water ⁹¹ , extracts ⁹²
7.5 ²	Determination of radon 222 by scintillation emanometry after its transportation into scintillation chamber using vacuum	CZ_SOP_D06_07_363.A (ČSN 75 7624, chap. 5)	Water ⁹¹ , extracts ⁹²
7.6 ²	Determination of radon 222 by scintillation gamma-spectrometry with a well type NaI(Tl) crystal	CZ_SOP_D06_07_363.B (ČSN 75 7624, chap. 6)	Water ⁹¹ , extracts ⁹²
7.7 ²	Determination of radon 222 by liquid scintillation counting method (LSC)	CZ_SOP_D06_7_363.C (ČSN 75 7625)	Water ⁹¹
7.8 ²	Determination of uranium by spectrophotometry after separation on silica gel and calculation of ²³⁸ U from measured values	CZ_SOP_D06_07_364 (ČSN 75 7614)	Water ⁹¹ , extracts ⁹²
7.9 ²	Determination of tritium volume activity by liquid scintillation counting method (LSC)	CZ_SOP_D06_07_365 (ČSN EN ISO 9698)	Water ⁹¹ , extracts ⁹²
7.10 ²	Determination of polonium 210 after its concentration by sorption on ZnS(Ag) by the measurement of emitted scintillations	ČSN 75 7626	Water ⁹¹ , extracts ⁹²
7.11 ²	Determination of polonium 210 after total decomposition and after its concentration by sorption on ZnS(Ag) by the measurement of emitted scintillations	CZ_SOP_D06_07_366 (ČSN 75 7626)	Soils, sludge, sediments, filters
7.12 ²	Non-destructive determination of radionuclides ²⁵⁾ by high resolution gamma-spectrometry and calculation of the mass activity index I (ACI) from the measured volumetric activities of individual radionuclides	CZ_SOP_D06_07_367 (ČSN EN ISO 10703, SÚJB Recommendation “Measurement and evaluation of natural radionuclides in building materials”, DR-RO-5.2 (Rev. 0.0), Prague 2017	Solid samples with granularity up to 4 mm, food, water ⁹¹ , liquid samples ⁸¹
7.13 ²	Determination of gross alpha mass activity by direct measurement of the sample by means of alpha radiation analyser	CZ_SOP_D06_07_368 (ČSN 75 7611, ISO 9696)	Solid samples ⁸⁵ pulverized for grain size below 100 µm, liquid samples ⁸¹ with boiling point above 100 °C

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Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Subject of the test
7.14 ²	Determination of gross beta mass activity by direct measurement of the sample by means of beta radiation analyser	CZ_SOP_D06_07_369 (ČSN 75 7612, ČSN EN ISO 9697)	Solid samples ⁸⁵ pulverized for grain size below 100 µm, liquid samples ⁸¹ with boiling point above 100 °C
7.15 ²	Determination of lead 210 after its sorption on ZnS-colloid by beta radiation analyzer	CZ_SOP_D06_07_370 (ČSN 75 7627)	Water ⁹¹ , extracts ⁹² (with low content of suspended solids or filtrated through 0.45 µm filter)
7.16 ²	Determination of gross alpha activity by co-precipitation method by measurement of filtrated precipitate by means of proportional detector	CZ_SOP_D06_07_371 (ČSN 75 7610)	Water ⁹¹ , extracts ⁹²
7.17 ²	Calculation of Indicative Dose (ID) ⁶⁶ from the measured values of volume activities of individual radionuclides	CZ_SOP_D06_07_372 (SÚJB Recommendation „Measurement and assessment of the content of natural radionuclides in drinking water from public sources and bottled water”, DR-RO-5.1 (Rev. 0.0), Prague 2017, Council Directive 2013/51 / EURATOM of 22. 10. 2013)	Water ⁹¹
7.18 ²	Determination of strontium 90 by proportional detector after separation	CZ_SOP_D06_07_373 (ASTM D5811-00)	Water ⁹¹
7.19 ²	Determination of strontium 90 by proportional detector after separation	CZ_SOP_D06_07_373 (ASTM D5811-00, ASTM C1507-20)	Soils, sludge, sediments
7.20 ²	Determination of strontium 90 by proportional detector after separation	CZ_SOP_D06_07_373 (ASTM D5811-00, ASTM C1507-20)	Biological materials ⁷⁷ , food, feed ⁸³
7.21 ²	Determination of carbon 14 by liquid scintillation method after separation	CZ_SOP_D06_07_374 (ČSN EN ISO 13162, ČSN EN 16640 US EPA 520/5-84-006)	Water ⁹¹ , soils, sludge, sediments, bioindicators ⁷⁶ , food
7.22 ²	Determination of total volume alpha and beta activities by liquid scintillation counting method (LSC)	CZ_SOP_D06_07_375 (ČSN EN ISO 11704, ASTM D7283-17)	Non salted water
7.23 ²	Determination of radium 226 and 228 by liquid scintillation measurement method (LSC)	CZ_SOP_D06_07_376 (ČSN EN ISO 22908)	Water ⁹¹
8	Tribology		
8.1 ¹¹	Determination of kinematic viscosity by viscometer and viscosity index by calculation	CZ_SOP_D06_05_400 (ČSN EN ISO 3104, ČSN ISO 2909, ASTM D7279, ASTM D7042)	Liquid fuels, lubricating oils
8.2 ¹¹	Determination of flash point - Pensky-Martens closed cup method by flash point analyser	CZ_SOP_D06_05_401 (ČSN EN ISO 2719, ASTM D93)	Diesel, light fuel oils

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Subject of the test
8.3 ¹¹	Determination of liquid cleanliness code by particle counter	CZ_SOP_D06_05_402 (User Manual for Lase Net Fines-C use and maintenance, ČSN ISO 4406)	Liquid fuels, lubricating oils
8.4 ¹¹	Determination of base number by potentiometric titration	CZ_SOP_D06_05_403 (ČSN ISO 3771)	Lubricating oils, additives to lubricants
8.5 ¹¹	Determination of neutralization number by potentiometric titration	CZ_SOP_D06_05_404 (ČSN ISO 6619)	Lubricating oils, additives to lubricants
8.6 ¹¹	Determination of water content by coulometric method	CZ_SOP_D06_05_405 (ASTM D6304)	Liquid fuels, lubricating oils
8.7 ¹¹	Determination of flash point and burning point in open cup according to Cleveland by flash point analyser	CZ_SOP_D06_05_406 (ASTM D92)	Liquid fuels, lubricating oils
8.8 ¹¹	Determination of Cold Filter Plugging Point (CFPP) by the method of gradual cooling	CZ_SOP_D06_05_407 (ČSN EN 116, ASTM D6371)	Diesel, light fuel oils
9	General Food Chemistry		
9.1 ¹	Determination of organic acids ⁶⁸ content by capillary isotachopheresis method	CZ_SOP_D06_04_450 (Recman - Laboratory technique – Application sheets No. 35, 39, 70)	Food, feed ⁸³
9.2 ¹	Gravimetric determination of fat	CZ_SOP_D06_04_451 (ČSN ISO 1443, ČSN ISO 1444, ČSN 46 7092-7)	Food, feed ⁸³
9.3 ¹	Gravimetric determination of dry matter and calculation of moisture from measured value	CZ_SOP_D06_04_452 (Journal of AOAC International vol 88, No1,2005; Journal of AOAC International vol 86, No6, 2003)	Food, feed ⁸³ , dietary supplements
9.4 ¹	Determination of nitrate and nitrite by capillary isotachopheresis	CZ_SOP_D06_04_453 (ITP: Application sheet No. 33 VILLA LABECO s.r.o.)	Food, feed ⁸³
9.5 ¹	Determination of phosphates by capillary isotachopheresis	CZ_SOP_D06_04_454 (ITP: Application sheet No. 35 VILLA LABECO s.r.o.)	Food, feed ⁸³
9.6 ¹	Gravimetric determination of water extract content	ČSN 58 0113, Article 38	Coffee
9.7 ¹	Determination of acid value and acidity by titration	CZ_SOP_D06_04_456 (ČSN EN ISO 660)	Animal and vegetable fats and oils
9.8 ¹	Determination of polyols ⁷⁵ by ion chromatographic method with EC detection	CZ_SOP_D06_04_457 (ČSN EN 15086, DIONEX Technical Note 20)	Food, feed ⁸³ , dietary supplements
9.9 ¹	Gravimetric determination of ash	CZ_SOP_D06_04_458 (ČSN 56 0116-4)	Food, feed ⁸³
9.10 ¹	Determination of crude fibre by oxidation hydrolysis method	CZ_SOP_D06_04_459 (ČSN ISO 5498, ČSN EN ISO 6865)	Feed ⁸³
9.11 ¹	Determination of pH by potentiometry	CZ_SOP_D06_04_460 (ČSN ISO 2917, ČSN ISO 1842)	Food, feed ⁸³
9.12 ¹	Determination of sand by gravimetry	CZ_SOP_D06_04_461 (ČSN 56 0246-12)	Food, feed ⁸³

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Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Subject of the test
9.13 ¹	Determination of relative density of liquids by pycnometer	CZ_SOP_D06_04_462 (ČSN EN 1131)	Low viscosity liquids
9.14 ¹	Titrimetric determination of acidity	CZ_SOP_D06_04_463 (ČSN ISO 750, ČSN 56 0116, ČSN 57 0530, ČSN EN 12147, ČSN 56 0246-13)	Fruit juices, fruit and vegetable products, mayonnaise, water-soluble food, dairy products, bakery products
9.15 ¹	Determination of moisture content – distillation method	CZ_SOP_D06_04_464 (ČSN ISO 939)	Spices, mixed condiments
9.16 ¹	Determination of dietary fibre enzymatically by commercial set Megazyme	CZ_SOP_D06_04_465 (AOAC Method 985.29)	Food, dietary supplements
9.17 ¹	Determination of starch content by polarimetry	CZ_SOP_D06_04_466 (ČSN 46 7092-21)	Cereals, baking products, cereal feeds ⁸³
9.18 ¹	Determination of chloride by coulometric titration	CZ_SOP_D06_04_467 (O.K. SERVIS company Chloride Analyser manual)	Food, feed ⁸³ , dietary supplements
9.19 ¹	Determination of reducing sugars and total sugars after iodometric inversion and calculation of non-reducing sugars from measured values	CZ_SOP_D06_04_468 (ČSN 56 0146)	Food, feed ⁸³ , dietary supplements
9.20 ¹	Determination of alkalinity of water-soluble ash by titration	ČSN ISO 1578	Tea
9.21 ¹	Gravimetric determination of total ash	ČSN ISO 1575	Tea
9.22 ¹	Gravimetric determination of water-soluble and water-insoluble ash	ČSN ISO 1576	Tea
9.23 ¹	Gravimetric determination of acid-insoluble ash	ČSN ISO 1577	Tea
9.24 ¹	Gravimetric determination of water extract	ČSN ISO 9768	Tea
9.25 ¹	Gravimetric determination of loos in mass at 103°C	ČSN ISO 1573	Tea
9.26 ¹	Determination of total nitrogen by Dumas method by analyser and protein calculation from measured values	CZ_SOP_D06_04_475 (ČSN EN ISO 14891, ČSN EN ISO 16634-1, ČSN EN ISO 16634-2)	Food, feed ⁸³ , dietary supplements
9.27 ¹	Volumetric determination of volatile oils (essential oils) by distillation with steam	ČSN EN ISO 6571	Spices, spicing agents, herbs
9.28 ¹	Determination of the weight of consumer packaging of food and animal feeding stuff products by gravimetry	CZ_SOP_D06_04_477 (ČSN 560305, ČSN 570146-3, ČSN 580170-3)	Food, feed ⁸³ , dietary supplements
9.29 ¹	Determination of the meat content in meat products and products containing meat by calculation from measured values ⁶³	CZ_SOP_D06_04_478 (Commission Directive No. 2001/101/EC, Commission Regulation No. 2004/2002/EC, Commission Regulation No. 2429/86/EEC, Decree 330/2009 Coll.)	Meat products
9.30 ¹	Determination of carbohydrates and energy values by calculation from measured values ⁶⁴	CZ_SOP_D06_04_479 (Regulation (EU) 1169/2011, Decree 330/2009 Coll.)	Food, raw materials for production of food, dietary supplements

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Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Subject of the test
9.31 ¹	Determination of non-protein content substances by calculation ⁶⁵	ČSN 46 7092-24	Feed ⁸³
9.32 ¹	Determination of 4-hydroxyproline by spectrophotometry and calculation of collagen from measured values	CZ_SOP_D06_04_481 (ISO 3496)	Meat products
9.33 ¹	Determination of fat content by NMR method	CZ_SOP_D06_04_482 (Journal of AOAC International vol 88, No. 1, 2005, Journal of AOAC International vol 86, No. 6, 2003)	Selected food ⁹⁵ and raw materials for production of food, feed ⁸³ , dietary supplements
9.34 ¹	Volumetric determination of peroxide value	CZ_SOP_D06_04_483 (ČSN EN ISO 3960)	Fats and vegetable oils
9.35 ¹	Determination of water activity by capacitive sensor method	ČSN ISO 21807	Food, raw materials for production of food, dietary supplements
9.36 ¹	Determination of net muscle protein by calculation from the content of collagen and protein	CZ_SOP_D06_04_485 (Decree No. 69/2016 Coll.)	Meat, meat products
9.37 ¹	Identification of synthetic dyes ⁵⁷ by thin-layer chromatography method	CZ_SOP_D06_04_486 (Davídek J., Laboratory Manual of Food Analysis, 1981)	Food
9.38 ¹	Determination of piperine content by spectrophotometry	ČSN ISO 5564	Black pepper and white pepper, whole or ground
9.39 ¹	Determination of starch in meat products by titration	CZ_SOP_D06_04_488 (BS 4401 Part 12:1979 Determination of Starch Content of Meat Products)	Meat products
9.40 ¹	Determination of total sulphur dioxide after distillation by titration	CZ_SOP_D06_04_489 (Prof. Ing. J. Davídek, DrSc. et al.: Laboratory Manual of Food Analysis, SNTL 1981)	Food and raw materials for food production, dietary supplements
9.41 ¹	Determination of total sulphur dioxide after distillation by ITP	CZ_SOP_D06_04_489 (Prof. Ing. J. Davídek, DrSc. et al.: Laboratory Manual of Food Analysis, SNTL 1981, Application sheet No. 33 Villa Labeco)	Food and raw materials for food production, dietary supplements
9.42 ¹⁰	Sensory testing – description test	CZ_SOP_D06_04_490 (ČSN ISO 6658, ČSN EN ISO 8589, ČSN EN ISO 13299, ČSN ISO 13300-1,2)	Food, cosmetics, packaging materials for food, consumer goods
9.43 ¹⁰	Sensory testing – comparison to standard	CZ_SOP_D06_04_491 (ČSN ISO 6658, ČSN ISO EN 8589, ČSN EN ISO 13299, ČSN ISO 13300-1,2)	Food, cosmetics, packaging materials for food, consumer goods
9.44 ¹⁰	Assessment of characteristics of food	CZ_SOP_D06_04_492 (ČSN EN ISO 8589, ČSN EN ISO 13299, ČSN ISO 13300-1,2)	Food
9.45 ¹	Determination of density by density meter	CZ_SOP_D06_04_493 (ČSN 57 0530)	Milk and milk products

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Subject of the test
9.46 ¹	Determination of sugars ⁶⁹ by ion chromatography method with EC detection	CZ_SOP_D06_04_494 (ČSN EN 12630)	Food, feed ⁸³ , dietary supplements
9.47 ¹	Determination of ethanol after distillation by gravimetry	CZ_SOP_D06_04_495 (ČSN 56 0186-5, ČSN 56 0210, ČSN 56 0216)	Alcoholic beverages

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
1.1 - 1.12; 1.15 - 1.18; 1.41; 1.44; 1.48; 1.51; 1.67 - 1.68, 1.70; 1.84; 1.91; 1.113 - 1.116; 1.128; 1.131 - 1.132; 1.138; 1.140; 1.146; 1.151 - 1.152; 1.157; 1.159; 1.163 - 1.165; 1.178; 1.181
2.1 - 2.14; 2.16 - 2.34; 2.38 - 2.41; 2.43 - 2.46; 2.51 - 2.55; 2.57 - 2.86; 2.88 - 2.91
3.1-3.22; 3.24 - 3.36
6.1-6.11
7.3; 7.12; 7.17
9.1; 9.8, 9.37; 9.46

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.

Sampling:

Ordinal number ¹	Sampling procedure name	Sampling procedure identification ²	Subject of sampling
1 ^{1,2,4,5,6,7,8,9}	Sampling of grab sample of surface water manually	CZ_SOP_D06_01_V01 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-4, ČSN EN ISO 5667-6, ČSN EN ISO 5667-14)	Surface water
2 ^{1,2,3,4,5,6,7,8,9}	Sampling of grab sample of waste water manually	CZ_SOP_D06_01_V02 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-10, ČSN EN ISO 5667-14,)	Waste water ⁸⁴
3 ^{1,2,3,4,5,6,7,8,9,12}	Sampling of drinking water and hot drinking water manually	CZ_SOP_D06_01_V03 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-5, ČSN EN ISO 5667-14, ČSN EN ISO 5667-21, ČSN EN ISO 19458, Decree 252/2004 Coll., Decree of SÚJB No. 307/2002 Coll.)	Drinking water, hot water

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Ordinal number¹	Sampling procedure name	Sampling procedure identification²	Subject of sampling
4 ^{1,2,3,4,5,6,7,8,9}	Sampling of mixed sample of waste water manually and using an automatic sampler	CZ_SOP_D06_01_V04 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-10, ČSN EN ISO 5667-14)	Waste water ⁸⁴
5 ^{1,2,3,4,5,7,8,9}	Sampling of treated water manually	CZ_SOP_D06_01_V05 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-5, ČSN ISO 5667-7, ČSN EN ISO 5667-14)	Treated water ⁹⁰
6 ^{1,2,3,4,5,6,7,8,9}	Sampling of water from artificial bathing site manually	CZ_SOP_D06_01_V06 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-4, ČSN ISO 5667-5, ČSN EN ISO 5667-6, ČSN EN ISO 5667-14, ČSN EN ISO 19458, ČSN EN 15288-2, Decree No. 238/2011 Coll.)	Pool water and filling water of artificial bathing sites
7 ^{1,2,3,4,5,6,7,8,9}	Sampling of grab sample of ground water manually and using pumps	CZ_SOP_D06_01_V07 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-11, ČSN EN ISO 5667-14)	Ground water from boreholes and wells
8 ^{1,2,4,5,6,7,8,9}	Sampling of surface swab manually	CZ_SOP_D06_01_V08 (ČSN 56 0100:1994, ČSN EN ISO18593, Decree No. 289/2007 Coll., ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN EN ISO 5667-14)	Contaminated surfaces
9 ^{1,2,4,5,6,7,8,9}	Sampling of sludge from sewage and treatment plants manually	CZ_SOP_D06_01_V09 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN EN ISO 5667-13, ČSN EN ISO 5667-14, ČSN EN ISO 5667-15, ČSN EN ISO 19458)	Sludge from water treatment plants, sludge dumps
10 ^{1,2,3,4,5,6,7,8,9}	Sampling of bottom sediments manually	CZ_SOP_D06_01_V10 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-12, ČSN EN ISO 5667-14, ČSN EN ISO 5667-15, ČSN ISO 5667-17)	Bottom sediments from streams and reservoirs
11 ^{1,2,3,4,5,6,7,8,9}	Sampling of soils manually	CZ_SOP_D06_01_V11 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN EN ISO 5667-13, ČSN EN ISO 5667-14,	Soils

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Ordinal number ¹	Sampling procedure name	Sampling procedure identification ²	Subject of sampling
		ČSN EN ISO 5667-15, TNI CEN/TR 15310-1, TNI CEN/TR 15310-2, TNI CEN/TR 15310-3, TNI CEN/TR 15310-4, TNI CEN/TR 15310-5, ČSN 015110, ČSN 015111, ČSN EN 14899, ČSN EN ISO 19458)	
12 ^{1,2,3,4,5,6,7,8,9}	Sampling of waste manually	CZ_SOP_D06_01_V12 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN EN ISO 5667-13, ČSN EN ISO 5667-14, ČSN EN ISO 5667-15, TNI CEN/TR 15310-1, TNI CEN/TR 15310-2, TNI CEN/TR 15310-3, TNI CEN/TR 15310-4, TNI CEN/TR 15310-5, ČSN 015110, ČSN 015111, ČSN 015112, ČSN EN 14899, ČSN EN ISO 19458, ČSN EN ISO 3170, Methodological Guide of ME for Waste Sampling 2008, 101s)	Waste
13 ^{1,2,4,5,6,7}	Air sampling by personal pump	CZ_SOP_D06_01_V13 (ČSN EN 481, ČSN EN 482, ČSN EN 689+AC, GR No. 361/2007 Coll.)	Working environment ⁸⁷
14	Reserved		
15 ^{1,2,7}	Gas sampling for the determination of ammonia	CZ_SOP_D06_01_V15 (ČSN 834728)	Gases ⁸⁶
16 ¹	Stationary air sampling for the determination of the number of asbestos and mineral fibers	CZ_SOP_D06_01_V16 (ISO 14966, chap. 5; VDI 3492, chap. 5 and 6, ČSN EN ISO 16000-7; ČSN EN 482, GR No. 361/2007, Coll. Annex No. 3)	Outdoor and indoor air, working environment ⁸⁷
17 ¹	Sampling for the asbestos determination	CZ_SOP_D06_01_V17 (VDI 3866, part 1)	Building materials ⁸² , materials for building ⁸⁹ ,

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Used abbreviations

AHEM	Acta hygienica, epidemiologica et microbiologica
AITM	Airbus methods
BDE	Brominated diethylethers
BFR	Brominated flame retardants
ACI	Activity Concentration Index
CFA	Continuous Flow Analyser
CFPP	Cold Filter Plugging Point
ČL	Czech Pharmacopoeia
DIN	Deutscher Institut fuer Normung
DM 06/09/94 GU n° 288 10/12/1994 All. 1 Met. B.	Decree of 06/09/1994 (Decreto Ministeriale 6 settembre 1994), published in Bulletin No. 288 10/12/1994
EC	Electrochemical detection
ECD	Electron Capture Detector
FID	Flame Ionization Detector
FLD	Fluorescence Detector
GR	Government Regulation
HRGC/HRMS	High Resolution Gas Chromatography/High Resolution Mass Spectrometry
I	Mass activity index
ID	Indicative dose
IP	International Petroleum test method
IR	Infrared Region Detector
ISE	Ion Selective Electrode
ISO	International Organization for Standardisation
ITP	Isotachopheresis
LDN	Labor Diagnostika Nord GmbH & Co.KG
LSC	Liquid Scintillation Counting method for the determination of alpha- or beta- radiation emitting radionuclides
MS	Mass Detector
MUFA	Monounsaturated Fatty Acids
NEN	Nederlands Normalisatie-Institut
NIOSH	National Institute for Occupation Safety and Health
NIOSH ¹⁾	Methods used for CZ_SOP_D06_03_153 - NIOSH 1400, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1022, NIOSH 1602, NIOSH 1609
PBB	Polybrominated biphenyls
PhEur	European Pharmacopoeia
PDA	Photo-Diode-Array detector
PUFA	Polyunsaturated Fatty Acids
RI	Refractometric Detector
SAFA	Saturated Fatty Acids
SEM/EDS	Scanning Electron Microscope / Energy Dispersive Spectrometer
SFS	The Finish Standard Association

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SM	Standard Methods – Standard US methods for the analysis of drinking and waste water prepared and issued by American Public Health Association, American Water Works Association and Water Environmental Federation, 21 st edition
SOP	Standard operating procedure
SPIMFAB	SPI MILJOSANERINGSFOND AB – method of Swedish Petroleum Institute
SPMD	Semi-Permeable Membrane Device
SS	Svensk Standard – Swedish standard
STN	Slovak Technical Standard
SÚJB	State Office for Nuclear Safety
Suma Ca+Mg	Water hardness
TCD	Thermal Conductivity Detector
TEQ	Toxic Equivalent
TFA	Trans Fatty Acids
TNV	Branch Technical Standard of Water Management
USBSC	Empirical formula for permeability of mixed materials, coefficient of permeability was extracted from granulometry analysis
US EPA	U.S. Environmental Protection Agency
USP	US Pharmacopoeia
UV	Ultraviolet Detector

Explanatory notes:

- ¹ Asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises. Superscript at the test ordinal number identifies the workplace carrying out the test.
- 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).
- ³ **Volatile organic compounds** – 1.1.1.2-Tetrachloroethane, 1.1.1-Trichloroethane, 1.1.2.2-Tetrachloroethane, 1.1.2-Trichloroethane, 1.1-Dichloroethane, 1.1-Dichloroethene, 1.1-Dichloropropene, 1.2.3.5-Tetramethylbenzene, 1.2.3-Trichlorobenzene, 1.2.3-Trichloropropane, 1.2.3-Trimethylbenzene, 1.2.4.5-Tetramethylbenzene, 1.2.4-Trichlorobenzene, 1.2.4-Trimethylbenzene, 1.2.5-Trimethylbenzene, 1.2-Dibromo-3-chloropropane, 1.2-Dibromoethane, 1.2-Diethylbenzene, 1.2-Dichlorobenzene, 1.2-Dichloroethane, 1.2-Dichloropropane, 1.3.5-Trichlorobenzene, 1.3.5-Trimethylbenzene, 1.3-Diethylbenzene, 1.3-Dichlorobenzene, 1.3-Dichloropropane, 1.4-Diethylbenzene, 1.4-Dichlorobenzene, 1.4-Dioxane, 1-Ethyl-2-Methylbenzene, 1-Ethyl-2-Methylbenzene, 1-Ethyl-3-Methylbenzene, 1-Ethyl-4-Methylbenzene, 2-butanone (methyl isobutyl ketone-MEK), 2.2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, Acetone, Aliphates >C5-C8, Aliphates >C8-C10, Benzene, Bromobenzene, Bromodichloromethane, Bromochloromethane, Bromomethane, Bromoform, cis-1.2-Dichloroethene, cis-1.3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Dichlorodifluoromethane, Dichloromethane, Diisopropyl ether, Ethanol, Ethylbenzene, Ethyl tert-Butyl Ether (ETBE), Hexachlorobutadiene, Chlorobenzene, Chloroethane, Chloromethane, Chloroform, Indane, Isobutanol, Isobutyl Acetate, Isopropylbenzene, Methyl ethyl ketone, Methyl isobutyl ketone, Methyl tert-Butyl Ether (MTBE), m-Xylene, Naphthalene, n-Butanol, n-Butyl Acetate, n-Butylbenzene, n-Hexane, n-Propylbenzene, o-Xylene, p-Isopropyltoluene, p-Xylene, sec-Butanol, sec-Butyl Acetate, sec-Butylbenzene, Styrene, TAEE, TBA, tert-Amyl Methyl Ether, tert-Butanol, tert-Butyl Acetate, tert-Butylbenzene, Tetraethyl lead, Tetrahydrofuran, Tetrahydrothiophene, Tetrachloroethene, Tetrachloromethane, Toluene, total VOC, trans-1.2-Dichloroethene, trans-1.3-Dichloropropene, Trichloroethene, Trichlorofluoromethane, Vinyl chloride, Aliphates >C5-C6, Aliphates >C6-C8, Aromatics C6-C7, Aromatics >C7-C8, Aromatics >C8-C10, Aromatics >C5-C9, Aromatics >C9-C10, Fraction >C5-C10, Sums calculation according to CZ_SOP_D06_03_J02
- ⁴ **Volatile organic compounds** – 1.1-Dichloroethene, 1.2-Dichloroethane, 1.4-Dioxane, Benzene, Dichloromethane, Ethylbenzene, fraction of hydrocarbons C5(C6)-C12, Chloroform, cis-1.2-Dichloroethene, m-Xylene, Naphthalene, o-Xylene, p-Xylene, Styrene, Tetrachloroethene, Tetrachloromethane, Toluene, trans-1.2-Dichloroethene, Trichloroethene, Vinyl chloride, Aliphates >C5-C6, Aliphates >C6-C8, Aromatics C6-C7, Aromatics >C7-C8, Aromatics >C8-C10, Aromatics >C5-C9, Aromatics >C9-C10, Fraction >C5-C10, Sums calculation according to CZ_SOP_D06_03_J0
- ⁵ **Organic contaminants** – aliphates >C5-C8, aliphates >C8-C10, benzene, toluene, ethylbenzene, o-xylene, m-xylene, p-xylene, MTBE (methyl-terc-buthylether), 1,2-dichloroethane, 1,2-dibromomethane, aliphates >C10-C12, aliphates >C12-C16, aliphates >C16-C35, 1-ethyl-3-methylbenzene, 1-ethyl-4-methylbenzene, 1-ethyl-2-methylbenzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, 1,2,3-trimethylbenzene, 1,3-diethylbenzene, 1,4-diethylbenzene, 1,2-diethylbenzene, 1,2,4,5-tetramethylbenzene, naphthalene, 2-methylnaphthalene, 1-methylnaphthalene, biphenyl, 2+1-ethylnaphthalene, 1,7-dimethylnaphthalene, 2,6-dimethylnaphthalene, 1,4+2,3-dimethylnaphthalene, acenaphthylene, 1,8-dimethylnaphthalene, acenaphthene, 1,2,3,5-trimethylnaphthalene, fluorine, phenanthrene, anthracene, 2-methylantracene, 1-methylantracene, 2-methylphenanthrene, 1-methylphenanthrene, fluoranthene, pyrene, benzo-(a)-anthracene, chrysene, benzo-(b)-fluoranthene, benzo-(k)-fluoranthene, benzo-(a)-pyrene, indeno-(1,2,3,c,d)-pyrene, dibenzo-(a,h)-anthracene, benzo-(g,h,i)-perylene, methylpyrenes/ methylfluoranthenes, methylchrysenes/ methylbenzo-[a]-anthracenes, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, 1,2,3,4-tetrachlorobenzene, 1,2,4,5-tetrachlorobenzene, 1,2,3,5-tetrachlorobenzene, pentachlorobenzene, hexachlorobenzene, PCB 28, PCB 52, PCB 101, PCB 118, PCB 153, PCB 138, PCB 180, sums calculation according to CZ_SOP_D06_03_J02
- ⁶ **Phenols, chlorinated phenols and cresols** – 2-chlorophenol, 3-chlorophenol, 4-chlorophenol, 2,6-dichlorophenol, 2,4+2,5-dichlorophenol, 3,5-dichlorophenol, 2,3-dichlorophenol, 3,4-dichlorophenol, 2,4,6-trichlorophenol, 2,3,6-trichlorophenol, 2,3,5-trichlorophenol, 2,4,5-trichlorophenol, 2,3,4-

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- trichlorophenol, 3,4,5- trichlorophenol, 2,3,5,6-tetrachlorophenol, 2,3,4,6- tetrachlorophenol, 2,3,4,5- tetrachlorophenol, pentachlorophenol, 4-chloro-2-methylphenol, 2-chloro-6-methylphenol, phenol, o-cresol, m-cresol, p-cresol, 2,3-dimethylphenol, 2,4-dimethylphenol, 2,5-dimethylphenol, 2,6-dimethylphenol, 3,5-dimethylphenol, 3,4-dimethylphenol, 1- naphthol, 2- naphthol, sums calculation according to CZ_SOP_D06_03_J02
- 7 **Phthalates** – dimethylphthalate, diethylphthalate, di-n-propylphthalate, di-n-butylphthalate, diisobutylphthalate, dipentylphthalate, di-n-octylphthalate, bis-(2-ethylhexyl)-phthalate (DEHP), butylbenzylphthalate, dicyclohexyl phthalate, di-iso-nonylphthalate, di-iso-decylphthalate, sums calculation according to CZ_SOP_D06_03_J02
- 8 **Sugars** – glucose, fructose, lactose, maltose, sucrose
- 9 **Semi-volatile organic compounds** – acenaphthylene, anthracene, benzo-(a)-anthracene, benzo-(a)-pyrene, benzo-(a)-fluoranthene, benzo-(b)- fluoranthene, benzo(e)pyrene, benzo-(g,h,i)-perylene, benzo-(k)-fluoranthene, biphenyl, dibenzo-(a,h)-anthracene, diphenyl ether, phenanthrene, fluoranthene, fluorene, chrysene, indenopyrene, naphthalene, pyrene, perylene, hexachlorobutadiene, hexachloroethane, aldrin, o,p'-DDD, o,p'-DDE, o,p'-DDT, p,p'-DDD, p,p'-DDE, p,p'-DDT, dieldrin, α -endosulphane, β -endosulphane, endrin, telodrin, isodrin, heptachlor, cis-heptachloroepoxide, trans-heptachloroepoxide, α -HCH, β -HCH, γ -HCH, δ -HCH, alachlor, methoxychlor, pentachlorobenzene, hexachlorobenzene, 1,2,3,4-tetrachlorobenzene, 1,2,3,5-tetrachlorobenzene, 1,2,4,5-tetrachlorobenzene, trifluraline, PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180, PCB 194, dichlobenil, ϵ -HCH, octachlorostyrene, di- n-butylphthalate, bis(2-ethylhexyl) phthalate (DEHP), endosulfan-sulphate, mirex, cis-chlordane, trans-chlordane, oxychlordane, cis-nonachlor, trans- nonachlor, PBB 153, pentachlortoluene, benzylalcohol, acetophenone, 6-caprolactam, izoforon, aniline, diphenylamine, 4-chloroaniline, benzdine, 4-bromophenylphenyl ether, carbazol, biphenyl, 2-chloronaphthalene, 1-chloronaphthalene, 2-methylnaphthalene, 4-chlorophenylphenyl ether, dibenzofuran, bis(2-chlorethyl)ether, bis(2- chlorethoxy)methan, bis(2-chlorisopropyl)ether (all isomers), phenol, 2-methylphenol, 3-methylphenol, 3- & 4-methylphenol, 4-methylphenol, 2,4- dimethylphenol, 4-chlor-3-methylphenol, hexachlorocyclopentadiene, nitrobenzene, 2-nitrophenol, 4-nitrophenol, 2,4-dinitrotoluene, 2,6-dinitrotoluene, 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, 2-nitroaniline, 3-nitroaniline, 4,2-nitroaniline, N-nitrosodimethylamine, N-nitrosodi-n-propylamine, dinoseb, dimethylphthalate, diethylphthalate, butylbenzylphthalate, bis(2-ethylhexyl)phthalate, di-n-octylphthalate, sums calculation according to CZ_SOP_D06_03_J02
- 10 **Polycyclic aromatic hydrocarbons** – naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo-(a)-anthracene, chrysene benzo-(b)-fluoranthene, benzo-(k)-fluoranthene, benzo-(a)-pyrene, dibenzo-(a,h)-anthracene, benzo-(g,h,i)-perylene, indeno-(1,2,3,c,d)- pyrene, coronene, sums calculation according to CZ_SOP_D06_03_J02
- 11 **Polychlorinated biphenyls** - PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180, sums calculation according to CZ_SOP_D06_03_J02
- 12 **Organochlorine pesticides and other halogenated substances** – 1,2,3,4-tetrachlorobenzene, 1,2,3,5-tetrachlorobenzene, 1,2,4,5-tetrachlorobenzene, 2,4'-DDD (TDE), 2,4'-DDE, 2,4'-DDT, 4,4'- DDD (TDE), 4,4'-DDE, 4,4'-DDT, alachlor, aldrin, bis(2-ethylhexyl)phthalate (DEHP), cis-heptachloroperoxide, cis-chlordan, cis-nonachlor, dieldrin, dichlobenil, dicofol, endosulfan-sulfate, endrin, endrin aldehyde, endrin ketone, heptachlor, hexabromobiphenyl (PBB 153), hexachlorobenzene, hexachlorobutadiene, hexachloroethane, isodrin, methoxychlor, mirex, octachlorostyrene, oxychlordane, pentachloroaniline, pentachlorobenzene, quintozone, telodrin (isobenzan), tetradiphone toxafen, trans-heptachloroperoxide, trans-chlordan, trans-nonachlor, trifluralin, α -endosulphan, α -HCH, β -endosulphan, β -HCH, γ -HCH (Lindan), δ -HCH, ϵ -HCH, sums calculation according to CZ_SOP_D06_03_J02
- 13 **PCDD/PCDF** - 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, OCDD, 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, OCDF, TEQ parameters calculation according to CZ_SOP_D06_06_J03
- 14 **PCB** - PCB101, PCB105, PCB114, PCB118, PCB123, PCB126, PCB138, PCB153, PCB156, PCB157, PCB167, PCB169, PCB170, PCB180, PCB189, PCB209, PCB28, PCB52, PCB77, PCB81, PCB37, sums and TEQ parameters calculation according to CZ_SOP_D06_06_J03
- 15 **BFR** - tri-BDE28, tetra-BDE-47, tetra-BDE-66, tetra-BDE-77, penta-BDE-85, penta-BDE-99, penta-BDE-100, hexa-BDE-138, hexa-BDE-153, hexa-BDE-154, hepta-BDE-183, octa-BDE-203, deca-BDE-209, PBB3, PBB15, PBB18, PBB52, PBB101, PBB153, PBB180, PBB194, PBB206, PBB209 and sums calculation according to CZ_SOP_D06_06_J03
- 16 **Alkylphenols, alkylphenolethoxylates** - 4-nonylphenol (mixture of isomers), 4-n-nonylphenol, 4-nonylphenol monoethoxylate (mixture of isomers), 4-nonylphenol diethoxylate (mixture of isomers), 4-nonylphenol triethoxylate (mixture of isomers), 4-n-octylphenol, 4-tert-octylphenol, 4-tert-octylphenol monoethoxylate, 4-tert-octylphenol diethoxylate, 4-tert-octylphenol triethoxylate, bisphenol A, sums calculation according to CZ_SOP_D06_03_J02
- 17 **Acid herbicides and drug residues** – 2,4,5-T, 2,4,5-TP, 2,4-D, 2,4-DB, 2,4-DP (isomers), 4-CPP, acifluorfen, bentazone, bromoxynil, dicamba, diclofop, dinoseb, DNOC, fluroxypyr, ioxynil, MCPA, MCPB, MCPP (isomers), propoxycarbazone-sodium, triclopyr, triclosan, sums calculation according to CZ_SOP_D06_03_J02
- 18 **Fatty acids** – butyric, caproic, caprylic, caprinic, undecanoic, lauric, tridecanoic, myristic, pentadecanoic, palmitic, heptadecanoic, stearic, arachidic, heneicosanoic, behenic, tricosanoic, lignoceric, myristoleic, cis-10-pentadecenoic, palmitoleic, cis-10-heptadecenoic, elaidic, oleic, cis-11-eicosenoic, erucic, nervonic, linolelaidic, linoleic, γ -linolenic, linolenic, cis-11,14-eicosadienoic, cis-8,11,14-eicosatrienoic, cis-11,14,17-eicosatrienoic, arachidonic, cis-13,16- docosadienoic, cis-5,8,11,14,17-eicosapentaenoic, cis-4,7,10,13,16,19-docosahexaenoic, elaidic
- 19 **Volatile organic compounds** – 1.1.1.2-Tetrachloroethane, 1.1.1-Trichloroethane, 1.1.2.2-Tetrachloroethane, 1.1.2-Trichloroethane, 1.1-Dichloroethane, 1.1-Dichloroethene, 1.1-Dichloropropylene, 1.2.3-Trichlorobenzene, 1.2.3-Trichloropropane, 1.2.3-Trimethylbenzene, 1.2.4.5-Tetramethylbenzene, 1.2.4-Trichlorobenzene, 1.2.4-Trimethylbenzene, 1.2-Dibromo-3-chloropropane, 1.2-Dibromoethane, 1.2-Dichlorobenzene, 1.2-Dichloroethane, 1.2-Dichloropropane, 1.3.5-Trichlorobenzene, 1.3.5-Trimethylbenzene, 1.3- Dichlorobenzene, 1.3-Dichloropropane, 1.4- Dichlorobenzene, 1.4-Dioxane, 1-Chloronaphthalene, 2,2-Dichloropropane, 2-Butanol, 2-Butanone, 2-Butoxyethyl Acetate, 2-Ethylhexanol, 2-Ethyltoluene, 2-Chlorotoluene, 2-Methylhexane, 2-Methyl-1-Butanol, 2-Propanol, 3-Ethyltoluene, 3-Carene, 4-Ethyltoluene, 4-Phenylcyclohexene, 4-Chlorotoluene, 4-Isopropyltoluene, Acetone, alpha- Pinene, alpha-Terpinene, Benzene, beta-Pinene, Bromobenzene, Bromodichloromethane, Bromochloromethane, Bromomethane, Bromoform, cis-1.2- Dichlorethene, cis-1.3-Dichloropropene, Cyclohexane, Cyclohexanone, Diacetone Alcohol, Dibromochloromethane, Dibromomethane, Dichlorodifluoromethane, Dichloromethane, Ethanol, Ethyl Acetate, Ethyl tert-Butyl Ether (ETBE), Ethylbenzene, Hexachlorobutadiene, Hexanal, Chlorobenzene, Chloroethane, Chloromethane, Chloroform, Isobutyl Acetate, Isobutanol, Isooctane, Isopropylbenzene, Limonene, Methanol, Methyl tert-Butyl Ether, Methylcyclohexane, Methylcyclopentane, Methyl iso-butyl Ketone, Methylmercaptan, Dimethylmercaptan, m-Xylene, Naphthalene, n-Butanol, n-Butyl Acetate, n-Butylbenzene, n-Decane, n-Dodecane, n-Heptane, n-Hexadecane, n-Hexane, n-Nonane, n-Octane, n-Pentane, n-Propanol, n-Propylbenzene, n-Tetradecane, n-Tridecane, n-Undecane, o-Xylene, p-Xylene, Petroleum Hydrocarbons, sec-Butylbenzene, Styrene, tert-Butyl Acetate, tert-Butylbenzene, Tetrahydrofuran, Tetrachloroethene, Tetrachloroethane, Toluene, trans-1.2- Dichloroethene, trans-1.3-Dichloropropylene, Trichloroethene, Trichlorofluoromethane, Vinyl Acetate, Vinyl Chloride, Sums calculation according to CZ_SOP_D06_03_J02

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- 20 Volatile organic compounds** – 1.1.1-Trichloroethane, 1.1.2-Tetrachloroethane, 1.1.2-Trichloro-1.2.2-Trifluoroethane, 1.1.2-Trichloroethane, 1.1-Dichloroethane, 1.1-Dichloroethene, 1.2.3-Trichlorobenzene, 1.2.4-Trichlorobenzene, 1.2.4-Trimethylbenzene, 1.2-Dichloro-1.1.2.2-Tetrafluoroethane, 1.2-Dichlorobenzene, 1.2-Dichloroethane, 1.2-Dichloropropane, 1.3.5-Trichlorobenzene, 1.3.5-Trimethylbenzene, 1.3-Butadiene, 1.3-Dichlorobenzene, 1.4-Dichlorobenzene, 1.4-Dioxane, 2-Butanone, 2-Hexanone, 2-Propanol, 4-Ethyltoluene, Acetone, Acrylonitrile, Benzene, Bromomethane, cis-1.2-Dichloroethene, Cyclohexane, Dichloromethane, Ethanol, Ethylbenzene, Hexachlorobutadiene, Chlorobenzene, Chloroethane, Chloromethane, Chloroform, Isooctane, Isopropylbenzene, Methylcyclohexane, Methyl Isobutyl Ketone, m-Xylene, naphthalene, n-Heptane, n-Hexane, n-Propylbenzene, o-Xylene, p-Xylene, Carbon disulfide, Styrene, Tetrahydrofuran, Tetrachloroethene, Tetrachloromethane, Toluene, trans-1.2-Dichloroethene, trans-1,3-dichloropropene, Trichloroethene, Trichlorofluoromethane, vinyl acetate, vinyl chloride, Sums calculation according to CZ_SOP_D06_03_J02
- 21 Aniline and aniline derivatives** – p-chloroaniline
- 22 Vitamin D** – vitamin D2 and vitamin D3
- 23 Substitute sweeteners** – aspartame, acesulfame-K, saccharine, neohesperidine DC
- 24 Preservatives** – sorbic acid, benzoic acid
- 25 Radionuclides** – Radionuclides emitting gamma rays in the energy interval 46.5 – 1,836 keV – Natural Radionuclides ⁴⁰K, ²¹⁰Pb, ²²²Rn(²²⁶Ra), ²²³Ra(²²⁷Ac), ²²⁴Ra, ²²⁶Ra, ²²⁸Ra(²³²Th), ²²⁷Th(²²⁷Ac), ²²⁸Th, ²³⁰Th, ²³⁴Th(²³⁸U), ²³⁵Pa, ²³⁵U; Artificial Radionuclides ⁷Be, ⁵⁴Mn, ⁵⁷Co, ⁶⁰Co, ⁶⁵Zn, ⁸⁸Y, ^{99m}Tc, ¹⁰⁹Cd, ¹³¹I, ¹³³Ba, ¹³⁴Cs, ¹³⁷Cs, ¹⁵²Eu, ¹⁹²Ir, ²⁴¹Am
- 26 Glycols** – 1,2-propanediol, monopropylenglycol (as C), ethylenglycol, ethylenglycol (as C), 1,3-butanediol, diethylenglycol, diethylenglycol (as C), triethylenglycol, triethylenglycol (as C)
- 27 Semi volatile organic compounds** – naphthalene, acenaphthylene, acenaphthene, fluorine, phenanthrene, anthracene, fluoranthene, pyrene, benzo-(a)-anthracene, chrysene, benzo-(b)-fluoranthene, benzo-(k)-fluoranthene, benzo-(a)-pyrene, dibenzo-(a,h)-anthracene, benzo-(g,h,i)-perylene, indeno-(1,2,3,c,d)-pyrene, PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180, 2,4-DDD, 2,4-DDE, 2,4-DDT, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, aldrin, alpha-endosulfan, beta-endosulfan, dieldrin, heptachlor, heptachlor epoxide-cis, heptachlor epoxide-trans, hexachlorobenzene, (HCB), hexachlorobutadiene, HCH alpha, HCH beta, HCH gamma, hexachloroethane, isodrine, pentachlorobenzene, telodrin sums calculation according to CZ_SOP_D06_03_J02
- 28 Alkylphenols, alkylphenoethoxylates** – 4-nonylphenol (mixture of isomers), 4-nonylphenol monoethoxylate (mixture of isomers), 4-nonylphenol diethoxylate (mixture of isomers), 4-nonylphenol triethoxylate (mixture of isomers), 4-tert-octylphenol, 4-tert-octylphenol monoethoxylate, 4-tert-octylphenol diethoxylate, 4-tert-octylphenol triethoxylate, sums calculation according to CZ_SOP_D06_03_J02
- 29 Acid herbicides, drug residues and other pollutants** – 2,3,6-trichlorobenzoic acid, 2,4,5-T, 2,4,5-TP, 2,4-D, 2,4-DB, 2,4-DP, 2,4-DP (isomers), 3,5,6-trichloro-2-pyridinol, 4-CPP, acifluorfen, aminopyralid, benazolin, bentazone, Bromo dichloroacetic acid, Bromo chloroacetic acid, bromoxynil, caffeine, clopyralid, dibromo acetic acid, dibromo chloroacetic acid, dichloroacetic acid, dicamba, dichloroprop-P, diclofenac, diclofop, dinoseb, dinoterb, DNOC, fluroxypyr, ibuprofen, ioxynil, MCPA, MCPB, MCPP, MCPP (isomers), mecoprop-P, metribuzin-desamino, metribuzin-desamino diketo, monobromoacetic acid, monochloroacetic acid, paraxanthine, picloram, propoxycarbazone-sodium, salicylic acid, tribromo acetic acid, trichloroacetic acid, triclopyr, triclosan, sums calculation according to CZ_SOP_D06_03_J02
- 30 Pesticides, pesticide metabolites, drug residues and other pollutants** – 1,2,4-triazol, 1-(3,4-dichlorophenyl) urea (DCPU), 17-alpha-ethinylestradiol, 17-beta-estradiol, 1H-benzotriazol, 1-methyl-1H-benzotriazol, 2-aminobenzothiazol, 2-amino-4-methoxy-6-methyl-1,3,5-triazine, 2-amino-N-(isopropyl)benzamide, 2-chloro-2,6-diethylacetanilide, 2-hydroxybenzothiazol, 2-hydroxycarbamazepine, 2-isopropyl-6-methyl-4-pyrimidinol, 2-methylbenzothiazol, 2-methylmercaptobenzothiazol, 2-methylsulfonyl-4-trifluoromethyl benzoic acid, 3,4-dichloroaniline (DCA), 3,5,6-trichloro-2-pyridinol, 3-chloro-4-methylaniline, 3-hydroxycarbamazepine, 5-methyl-1H-benzotriazol, 6-chloronicotinic acid, 6-chloroquinoxalin-2,3-diol, acesulfam K, acetamidprid, acetochlor, acetochlor ESA, acetochlor OA, acibenzolar-S-methyl, acionifen, acrinathrin, acrylamid,alachlor,alachlor ESA,alachlor OA,aldicarb,aldicarb sulfone,aldicarb sulfoxide,aldoxycarb,allethrin,anastrozole ametrine,amidithion,amidosulfuron,amitraz,anilazin,asulam,atraton,atrazine,atrazine-2-hydroxy,atrazin-desethyl,atrazin-desethyl-desisopropyl,atrazin-desisopropyl,atenolol,azaconazole,azathioprin,azinfos-ethyl,azinfos-methyl,azoxystrobin,azoxystrobin isopyrazam,azoxystrobin o-demethyl,BAM (2,6-dichlorobenzamide),BDMC,benalaxyl,bendiocarb,benfuracarb,bentazone,bentazone methyl,beta-cyfluthrin,bezafibrat,bifenox,bifenthrin,bitertanol,boscalid,brodifacoum,bromacil,bromadiolon,bromofos-ethyl,bromoxynil,buprofezin,buprenorfin,butorfanol,cadusafos,ciprofloxacin,citalopram,clofentezin,coumafos,cyanazine,cyfenothrin,cyflufenamid,cyclamate,cyclobenzaprin,cyclofosamid,cymoxanil,cypermethrin,cyprazin,cyprodinil,cyproconazole,cyromazin,DEET,deltamethrin,demedifam,desmetyrn,diazepam,diazinon,dithofencarb,difenacoum,difenoconazole,difenoxuron,diflufenazuron,diflufenican,dichlofenthiol,dichlorimid,dichlorvos,diclofenac,dicrotophos,diquat,dimefuron,dimethachlor,dimethachlor CGA 369873,dimethachlor CGA 373464,dimethachlor ESA,dimethachlor OA,dimethenamid,dimethenamid ESA,dimethenamid OA,dimethenamid-P,dimethylaminosulfanilid,dimethoate,dimetomorph,dioxystrobin,diuron,diuron desmethyl (DCPMU),enalapril,epoxiconazole,EPTC,estriol,estron,ethiofencarb,ethion,ethofumesate,ethoprophos,ethoxazol,famoxadon,famphur,fenamiphos,fenamiphos sulfon,fenamiphos sulfoxide,fenarimol,fenhexamide,fenmedifam,fenothiocarb,fenothrin,fenoxaprop,fenoxycarb,fenpropathrin,fenpropidin,fenpropimorf,fensulfothion,fenuron,fipronil,fipronil sulfon,florasulam,floxtin,fluazifop,fluazifop-butyl,fluazifop-butyl (isomers),fluazifop-P,fluazifop-p-butyl,fluazinam,fludioxonil,flufenacet,flufenacet ESA,flufenacet OA,fluometuron,fluopicolid,fluopyram,fluquinconazole,flusilazol,flutamid,flutolanil,fonofos,foramsulfuron,phorate,phosalone,phosphamidon,phosmet,phosmet-oxon,phosthiazate,furalaxyl,furathiocarb,furosemid,gabapentin,gemfibrozil,guanyleurea,haloxyfop,haloxyfop-2-ethoxyethyl,haloxyfop-p-methyl,hexaconazole,hexazinon,hexythiazox,hydrochlorothiazid,chloramphenicol,chlorantraniliprol,chlorbromuron,chlorfenvinphos,chloridazon,chloridazon-desphenyl,chloridazon-methyl desphenyl,chloromequat,chlorotoluron,chloroxuron,chlorpropham,chlorpyrifos,chlorpyrifos-methyl,chlorosulfuron,chlorotoluron-desmethyl,ifosfamide,imazalil,imazamethabenz-methyl,imamazox,imazapyr,imazethapyr,imidacloprid,imidacloprid olefin,imidacloprid urea,indomethacin,indoxacarb,iodosulfuron methyl,iohexol,iomeprol,iopamidol,iopromid,iprodion,iprovalicarb,irgarol,isofetamid,isoproturon,isoproturon-desmethyl,isoproturon-monodesmethyl,isopyrazam,isoxaflutol,isoxaflutol diketonitril,capecitabin,carbamazepin,carbamazepin 10,11-epoxide,carbamazepin 10,11-dihydro-10-hydroxy,carbamazepin 10,11-dihydroxy,carbaryl,carbendazim,carbetamid,carbofuran,carbofuran (sum),carbofuran-3-hydroxy,carboxin,carfentrazone-ethyl,ketoprofen,clodinafop,clodinafop propargil,clomazon,clomeprop,clothianidin,caffeine,cresoxim-methyl,crimidin,amidotrizoic acid,clofibrac acid,lamba-cyhalothrin,lenacil,lincomycine,linuron,loperamid,malaaxon,malathion,mandipropamid,MCPA,MCPP,mefenpyr-diethyl,mefentrifluconazole,mevabam,mepiquate metsulfuron-methyl,mesosulfuron-methyl,mesotrion,mestranol,metaflumizon metalaxyl,metalaxyl (isomery),metamitron,metazachlor,metazachlor ESA,metazachlor metabolite 479M09,metazachlor metabolite 479M11,metazachlor OA,metformin,methabenzthiazuron,methaldehyde,methamidophos,methidathion,methiocarb,methiocarb sulfon,methiocarb sulfoxide,methomyl,methomyl oxim,methoprolol,methoprotrothin methoxyfenozid,metconazole,metobromuron,metolachlor,metolachlor (isomers),metolachlor (S),metolachlor CGA 368208,metolachlor ESA,metolachlor NOA 413173,metolachlor OA,metoxuron,metfenazine,metribuzin,metribuzin-desamino,metribuzin-desamino diketo,metribuzin-diketo,metrodinazol,molinate,monocrotophos,monolinuron,monuron,myclobutanil,mycophenolate

**Appendix is an integral part of
Certificate of Accreditation No: 73/2022 of 14/02/2022**

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- mofetil, napropamid, naphthalame, naproxen, neburon, nicosulfuron, N,N-Dimethylsulfamid, norflurazon, nuarimol, omethoate, oxadiazon, oxadixyl, oxamyl, oxyfluorfen, oxazepam, paclobutrazol, paclitaxel, paracetamol (acetaminofen), paraquate, paraoxon-ethyl, paraoxon-methyl, parathion-ethyl, pencycuron, pendimethalin, penconazole, permethrine, pethoxamide, pethoxamide ESApicloram, picoxystrobin, pirimiphos-ethyl, pirimiphos-methyl, pirimicarb, piroxicam, p-isopropylaniline, pretilachlor, primisulfuron-methyl, prodiamin, profam, profenophos, prochloraz, promecarb, prometon, prometryn, propachlor, propachlor ESA, propachlor OA, propamocarb, propanil, propranolol, propaquizafop, propazine, propazine-2-hydroxy, propiconazole, propoxur, propoxycarbazone-sodium, propylene thiourea, propylamide, prosulfocarb, prothioconazole, pyraclostrobin, pyribenzoxim, pyridaben, pyridate, pyrifenoxy, pyrimethanil, pyriproxyfen, quinalphos, quinclorac, quinmerac, quinoxifen, quizalofop, quizalofop-p-ethyl, rimsulfuron, saccharine, salbutamol, sebuthylazine, sebumeton, sedaxan, sertraline, sethoxydim, siduron, simazine, simazine-2-hydroxy, simazine-desethyl, simetryn, sotalol, spinosad (spinosyn A + spinosyn D), spiroxamin, sulfamethazine, sulfamethoxazol, sulfosulfuron, tau-fluvalinate, tebufenpyrad, tebuconazole, tebutiuron, teflubenzuron, tefluthrin, terbumeton, terbumeton-desethyl, terbutalin, terbuthylazine, terbuthylazine-desethyl, terbuthylazine-desethyl-2-hydroxy, terbuthylazine-hydroxy, terbutryn, tetraconazole tetramethrin, thebain, thiabendazol, thiacloprid, thiametoxam, thiazafurion, thidiazuron, thifensulfuron-methyl, thiobencarb, thiofanate-methyl, tolcapoph-methyl, tramadol, triadimefon, triadimenol, tri-allate, triasulfuron, triazophos, tribenuron-methyl, tricyclazol, trietazin, trifloxystrobin, trifloxysulfuron sodium, triflumizol, triflumuron, triflusulfuron-methyl, triforin, trimethoprim, trinexapak-ethyl, triticonazole, tritosulfuron, valsartan, warfarin, zolpidem, zoxamide, sums calculation according to CZ_SOP_D06_03_J02
- ³¹ **Pesticides by MS detection** - 2,6-dichloroaniline, azinphos-methyl, bromophos-ethyl, bromocyclen, butralin, captan, carbophenothion, chlordecon, chlorfenvinphos, chlorpyrifos, chlorpyrifos-methyl, cypermetrin (isomers), demeton-S-methyl, diazinon, dichlorvos, dimethoate, dimethypin, ethion, fenitrothion, fenthion, malathion, parathion-ethyl, parathion-methyl, phorat, phosmet, pirimfos-ethyl, prothiofos, teflutrin, sums calculation according to CZ_SOP_D06_03_J02
- ³² **Pesticides and their metabolites by MS detection** – amitrole, AMPA, glufosinate, glufosinate ammonium, glyphosate, sums calculation according to CZ_SOP_D06_03_J02
- ³³ **Complexing substances** - EDTA, PDTA and NTA
- ³⁴ **Halogen compounds** - chloroalkanes C10-C13, C14-C17
- ³⁵ **SAFA, MUFA, PUFA, TFA, Omega 3, Omega 6** – **SAFA** - butyric (C4:0), caproic (C6:0), caprylic (C8:0), capric (C10:0), undecanoic (C11:0), lauric (C12:0), tridecanoic (C13:0), miristic (C14:0), pentadecanoic (C15:0), palmitic (C16:0), heptadecanoic (C17:0), stearic (C18:0), arachidic (C20:0), heneicosanoic (C21:0), behenic (C22:0), tricosanoic (C23:0), lignoceric (C24:0), **MUFA** - myristoleic (C14:1), cis-10-pentadecenoic (C15:1), palmitoleic (C16:1), cis-10-heptadecenoic (C17:1), oleic (C18:1n9c), cis-11-eicosenic (C20:1), erudic (C22:1n9), nervonic (C24:1), **PUFA** - linoleic (C18:2n6c), linoleic (C18:3n6), γ -linoleic (C18:3n3), cis-11,14-eicosadienoic (C20:2), cis-8,11,14-eikosatrienoic (C20:3n6), cis-11,14,17-eikosatrienoic (C20:3n3), arachidonic (C20:4n6), cis-13,16-docosadienoic (C22:2), cis-5,8,11,14,18-eicosapentaenoic (C20:5n3), cis-4,7,10,13,16,19-docosahexaenoic (C22:6n3), **TFA** - elaidic (C18:1n9t), linoleic (C18:2n6t), C18:3 trans isomery, **Omega 3** - linoleic (C18:3n3), cis-11,14,17-eicosatrienoic (C20:3n3), cis-5,8,11,14,18- eicosapentaenoic (C20:5n3), cis-4,7,10,13,16,19-docosahexaenoic (C22:6n3), **Omega 6** - lineic (C18:2n6c), γ -linoleic (C18:3n6), cis-8,11,14-eikosatrienoic (C20:3n6), arachidonic (C20:4n6), cis-11,14,eicosadienoic (C20:2), cis-13,16-docosadienoic (C22:2)
- ³⁶ **Derivates of polycyclic aromatic hydrocarbons** – acridine, 9,10-anthracenequinone, benzo[a]anthracene-7,12-dione, benzo[h]quinoline, 1,5-dinitronaphthalene, 9H-fluoren-9-one, 2-fluorene-carboxaldehyde, 1-naphthalene-carboxaldehyde, 5,12-naphthacenedione, 1-nitronaphthalene, 5-nitroacenaphthene, 9-nitroanthracene, nitropyrene, nitrofluoranthene, 6-nitrobenzo(a)pyrene, 2-nitrofluorene, 9,10-phenanthrenequinone, phenanthridine
- ³⁷ **Organic acids** – formic acid, acetic acid, caproic acid, butyric acid, isobutyric acid, lactic acid, propionic acid, valeric acid, isovaleric acid
- ³⁸ **Gases** – methane, ethane, ethylene, acetylene
- ³⁹ **Polychlorinated biphenyls** - PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180, PCB194, sums calculation according to CZ_SOP_D06_03_J02
- ⁴⁰ **Phenols and cresols** – phenol, o-cresol, m-cresol, p-cresol, 2,3-dimethylphenol, 2,4-dimethylphenol, 2,5-dimethylphenol, 2,6-dimethylphenol, 3,5-dimethylphenol, 3,4-dimethylphenol, sums calculation according to CZ_SOP_D06_03_J02
- ⁴¹ **Elements** - Ag, Al, As, Au, B, Ba, Be, Bi, Br, Ca, Cd, Ce, Co, Cr, Cr(VI), Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hg, Ho, I, In, Ir, K, La, Li, Lu, Mg, Mn, Mo, Na, Nd, Ni, P, Pb, Pd, Pr, Pt, Rb, Rh, Ru, S, Sb, Sc, Se, Si, Sm, Sn, Sr, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr
- ⁴² **Elements** - Ag, Al, As, Au, B, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cr(VI), Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Ho, In, Ir, K, La, Li, Lu, Mg, Mn, Mo, Na, Nb, Nd, Ni, P, Pb, Pd, Pr, Pt, Rb, Rh, Ru, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr
- ⁴³ **Elements** - Ag, Al, As, Ba, Be, Bi, Br (water extractable), Ca, Cd, Co, Cr, Cs, Cu, Fe, I (water extractable, total), K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Pd, Pt, Rb, Rh, Sb, Se, Si, Sn, Sr, Te, Th, Ti, Tl, U, V, Zn, Zr
- ⁴⁴ **Elements** - Ag, Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cs, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Pd, Pt, Rb, Rh, Sb, Se, Si, Sn, Sr, Te, Th, Ti, Tl, U, V, Zn, Zr
- ⁴⁵ **Elements** - Ag, Al, As, Au, Ba, Be, Bi, Br (water extractable), Ca, Cd, Co, Cr, Cr(VI), Cu, Fe, I (water extractable), K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Pd, Pt, Rh, Sb, Se, Sn, Sr, Te, Ti, Tl, U, V, Zn, Zr
- ⁴⁶ **Pesticides and their metabolites by MS detection** – AMPA, glyphosate
- ⁴⁷ **Elements** - Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cr(VI), Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Se, Si, Sn, Sr, Te, Ti, Tl, V, Zn, Zr
- ⁴⁸ **CO₂ forms** - carbonates, bicarbonates, free CO₂, total CO₂, aggressive CO₂
- ⁴⁹ **Elements** - Ag, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Na, Ni, Pb and Zn
- ⁵⁰ **Elements** - Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Se, Sb, Si, Sr, Sn, Te, Th, Ti, Tl, U, V, W, Zn and Zr
- ⁵¹ **Calculation of forms of elements** – sum of Na + K, ionic form Cr and Fe (Cr³⁺, Fe³⁺), compounds Na₂O, P₂O₅, SiO₃ and SiO₂, according to CZ_SOP_D06_02_J06
- ⁵² **Calculation of forms of elements** - ion form Cr³⁺, compound PO₄³⁻, according to CZ_SOP_D06_02_J06
- ⁵³ **Calculation of forms of elements** – compound NaCl according to CZ_SOP_D06_02_J06
- ⁵⁴ **Polycyclic aromatic hydrocarbons** – naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)-pyrene, benzo(e)-pyrene, benzo(j)-fluoranthene, benzo(c)-phenanthrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, indeno(1,2,3,c,d)pyrene, phenanthrene-1-methyl, 2-methyl-phenanthrene, 3-methyl phenanthrene, 4-methyl-phenanthrene, 9-methyl phenanthrene sums calculation according to CZ_SOP_D06_06_J03
- ⁵⁵ **Chlorinated phenols** – 2-amino-4-chlorophenol

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- ⁵⁶ **Drug residues** – anastrozole, atenolol, azathioprine, beclomethasone dipropionate, capecitabine, cyclosporin, cyproteron acetate, diazepam, fluticasone propionate, loperamide hydrochloride, medroxyprogesterone acetate, megestrol acetate, methotrexate, methylprednisolone acetate, metronidazole, mometasone furoate, mycophenolate mofetil, paclitaxel, sotalol hydrochloride, tacrolimus, thebain, tramadol hydrochloride, triamcinolone acetonide, valsartan, zolpidem tartrate
- ⁵⁷ **Synthetic dyes** – **E102** (Tartrazine), **E104** (Quinoline yellow), **E110** (Yellow SY), **E122** (Azorubin), **E123** (Amaranth), **E124** (Ponceau 4R), **E127** (Erythrosin), **E128** (Red 2G), **E129** (Allura Red AC), **E131** (Patent Blue V), **E132** (Indigotine), **E133** (Brilliant Blue), **E142** (Green S), **E151** (Black BN)
- ⁵⁸ **Perfluorinated compounds** – Perfluorobutanoic acid (PFBA), Perfluoropentanoic acid (PFPeA), Perfluorohexanoic acid (PFHxA), Perfluoroheptanoic acid (PFHpA), Perfluorooctanoic acid (PFOA), Perfluorononanoic acid (PFNA), Perfluorodecanoic acid (PFDA), Perfluoroundecanoic acid (PFUnDA), Perfluorododecanoic acid (PFDoDA), Perfluorotridecanoic acid (PFTrDA), Perfluorotetradecanoic acid (PFTeDA), Perfluorohexadecanoic acid (PFHxDA), Perfluorooctadecanoic acid (PFOcDA), Perfluorobutane sulfonic acid (PFBS), Perfluoropentane sulfonic acid (PFPeS), Perfluorohexane sulfonic acid (PFHxS), Perfluoroheptane sulfonic acid (PFHpS), Perfluorooctane sulfonic acid (PFOS), Perfluorononane sulfonic acid (PFNS), Perfluorodecane sulfonic acid (PFDS), Perfluorododecane sulfonic acid (PFDoDS), 4:2 Fluorotelomeric sulfonate (4:2 FTS), 6:2 Fluorotelomer sulfonic acid (6:2 FTS), 8:2 Fluorotelomer sulfonic acid (8:2 FTS), 10:2 Fluorotelomeric sulfonate (10:2 FTS), Perfluorooctane sulfonamide (FOSA), N-Methyl perfluorooctane sulfonamide (MeFOSA), N-Ethyl perfluorooctane sulfonamide (EtFOSA), Perfluorooctane sulfonamidoacetic acid (FOSAA), N-methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA), N-ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA), 7H-perfluoroheptanoic acid (HPFHpA), Perfluoro-3,7-dimethyloctanoic acid (P37DMOA), N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE), N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE), PFCs Total Oxidizable Precursors (TOP) (M4), Hexabromocyclododecane (HBCD), Tertabromobisphenol-A (TBBP-A), perfluoro-4-methoxybutanoic acid (PFMBA), perfluoro-3-methoxypropanoic acid (PFMPA), 11-chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS), 9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS), 4,8-dioxa-3H-perfluorononanoic acid (DONA), 4,8-dioxa-3H-perfluorononanoic acid (ADONA), sodium 4,8-dioxa-3H-perfluorononanoate (NaDONA), perfluorotridecanoic acid sulfonic acid (PFTrDS), perfluoroundecane sulfonic acid (PFUnDS)
- ⁵⁹ **Volatile organic compounds** – Benzene, Toluene, Ethylbenzene, m-Xylene, Styrene, o-Xylene, Methanol, Ethanol, Acetone, Benzene, Ethyl Acetate, Isobutanol, n-Butanol, 2-Butanol, Isobutyl Acetate, Butyl Acetate, tert-Butyl Acetate
- ⁶⁰ **Elements** - Ag, Al, As, Au, B, Ba, Be, Bi, Br (water extractable) Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hg, Ho, I (water extractable) In, Ir, K, La, Li, Lu, Mg, Mn, Mo, Na, Nb, Nd, Ni, Os, P, Pb, Pd, Pr, Pt, Rb, Rh, Ru, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr
- ⁶¹ **Drug residues** – 17-alpha-ethinylestradiol, 17-beta-estradiol, 2-hydroxycarbamazepin, 3-hydroxycarbamazepin, 4-hydroxydiclophenac, 6-monoacetylmorphine (6-MAM), alprazolam, amphetamine, amoxicillin, anastrozol, atenolol, atorvastatin, azathioprin, azithromycin, benzoylcegonin, benzylpenicillin, bezafibrat, bromazepam, buprenorphone, buprenorphine glucuronid, butorphanol, ciprofloxacin, clindamycin, cyclobenzaprin, cyclophosphamide, cyclosporin, cyproteron acetate, citalopram, diazepam, diclophenac, doxycycline, EDDP (methadone metabolite), ephedrine, enalapril, erythromycine, estriol, estron, fexofenadine, fentanyl, floxetin, flumequine, flutamid, fluticasone propionate, furosemid, galantamin, gemfibrozil, glimepirid, heroin, hydrochlorothiazid, hydromorfon, chloramphenicol, chlordiasepamid, chlortetracycline, ibuprofen, ifosfamide, indomethacin, iohexol, iomeprol, iopamidol, iopromid, capecitabine, carbamazepine, carbamazepine 10,11-dihydro-10-hydroxy, carbamazepine 10,11-dihydroxy, carbamazepine-10,11-epoxide, carprofen, ketamine, ketoprofen, clarithromycin, clonazepam, cloxacillin, codeine, caffeine, cocaethylene, cocaine, colchicin, clofibrac acid, nalidixic acid, oxolinic acid, pipemidic acid, lincomycin, lomefloxacin, loperamid, LSD, LSD hydroxy, MBDB (N-metyl-1-(1,3-benzodioxol-5-yl)-2-butamin), MDA (3,4-methylenedioxyamphetamine), MDEA (3,4-methylenedioxy-N-ethylamphetamine), MDMA (3,4-metylenedioxyamphetamin), medroxyprogesteron acetate, megestrol acetate, meloxicam, metadon, metacycline metamphetamine, metformin, methotrexat, metoprolol, metronidazol, midazolam, morphine, mycophenolate mofetil, naproxen, nimesulid, nor buprenorphin, nor buprenorphin glucuronid, norfloxacin, ofloxacin, omeprazol, ormetoprim, ornidazol, oxazepam, oxcarbazepine, oxytetracycline, paclitaxel, paracetamol (acetaminofen), piroxikam, procaine peniciline G, propranolol, roxithromycin salbutamol, sarafloxacin, sertraline, sotalol, sulfadiazin, sulfachlorpyridazine, sulfamethazine, sulfamethizol, sulfamethoxazol, sulfamethoxyypyridazine, sulfamonomethoxin, sulfathiazol, terbutalin, tetracyclin, tetrazepam, THC (delta-9-tetrahydrocannabinol), THC glucuronide, THC hydroxy, THCA-A (delta9-tetrahydrocannabinol-2-carboxyl), THC-COOH (11-nor-9-carboxy-THC), thebain, tramadol, triamcionolon acetamid, trimethoprim, valsartan, vancomycin, venlafaxine, warfarin, zolpidem
- ⁶² **Organic Acids** – acetic acid, propionic acid, isobutyric acid, butyric acid, isovaleric acid, valeric acid, isocaproic acid, caproic acid, heptanoic acid
- ⁶³ **Meat content calculation** – calculated from the results of the determination of ash according to CZ_SOP_D06_04_458, protein according to CZ_SOP_D06_04_475, moisture according to CZ_SOP_D06_04_452, fat according to CZ_SOP_D06_04_482, hydroxyproline according to CZ_SOP_D06_04_481
- ⁶⁴ **Determination of carbohydrates and energy value** – calculated from the results of the determination of ash according to CZ_SOP_D06_04_458, protein according to CZ_SOP_D06_04_475, moisture according to CZ_SOP_D06_04_452, fat according to CZ_SOP_D06_04_482, dietary fibre according to CZ_SOP_D06_04_465
- ⁶⁵ **Determination of non-protein content substances** – calculated from the results of the determination of moisture according to CZ_SOP_D06_04_452, total nitrogen according to CZ_SOP_D06_04_475, fat according to CZ_SOP_D06_04_482, ash according to CZ_SOP_D06_04_458, crude fibre according to CZ_SOP_D06_04_465
- ⁶⁶ **Calculation of indicative dose (ID)** – calculated from the results of determination of Radium 226 (CSN 75 7626), Uranium (CSN 75 7614), Tritium (ISO 9698), Polonium 210 (CSN 75 7626), radionuclides determined using high resolution gamma ray spectrometry (CZ_SOP_D06_07_367), Lead 210 (CZ_SOP_D06_07_370), Strontium 90 (CZ_SOP_D06_07_373) and Carbon 14 (CZ_SOP_D06_07_374)
- ⁶⁷ **Surface waters** – flowing watercourses, stagnant water – lakes, reservoirs, ponds, and seawater
- ⁶⁸ **Organic acids** – propionic acid, citric acid, lactic acid, acetic acid, tartaric acid, malic acid
- ⁶⁹ **Sugars** – glucose, fructose, lactose, maltose, sucrose, galactose and the sum of sugars by calculation
- ⁷⁰ **Pesticides, their metabolites and drug residues – matrices: sediments, sludges, soil, rocks** – 1-(3,4-Dichlorophenyl) urea (DCPU), 2-Chloro-2,6-diethylacetanilide, 2-amino-N-(isopropyl)benzamide, 6-chloronicotinic acid, acetamiprid, acetochlor, acetochlor ESA, acetochlor OA, aclonifen, alachlor, alachlor ESA, alachlor OA, aldicarb, aldicarb sulfone, aldicarb sulfoxide, ametryn, amidosulfuron, asulam, atraton, atrazine, atrazine-2-hydroxy, atrazine-desethyl, atrazine-desisopropyl, azaconazole, azinphos-methyl, azoxystrobin, azoxystrobin-o-demethyl, BAM, BDMC, benalaxyl, bentazone methyl, bifenox, bitertanol, boscalid, bromacil, bromophos-ethyl, buprofezin, carbaryl, cadusafos, carbendazim, carbofuran, carbofuran-3-hydroxy, carboxin, clodinafop, clodinafop propargyl, clofentezine, clomazone, clomeprop, clopyralid, clothianidin, coumaphos, crimidine, cyanazine, cybutryne (irgarol), cyflufenamid, cymoxanil, cyproconazole, cyprodinil, desmetryn, diazinon, dicrotophos, difenacoum, difenoconazole, difenoxuron, diflubenzuron, diflufenican, dichlofenthion, dichlorimid, dichlorvos, dimefuron, dimethachlor, dimethachlor ESA, dimethachlor OA, dimethenamid, dimethoate, dimethomorph, dimethylaminosulfanilide, dimoxystrobin, diuron, diuron desmethyl (DCPMU), epoxiconazole, EPTC, ethion, ethofumesate, ethoprophos,

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- etoxazole, famoxadone, famphur, fenamiphos, fenarimol, fenhexamid, fenothiocarb, fenoxaprop, fenoxycarb, fenpropidin, fenpropimorph, fensulfthion, fenuron, fipronil, fipronil sulfone, florasulam, fluazifop, fluazifop-p-butyl, fludioxonil, flufenacet, fluometuron, fluopicolide, fluopyram, fluquinconazole, flusilazole, flutolanil, fonofos, foramsulfuron, fosthiazate, furalaxyl, haloxyfop, haloxyfop-2-ethoxyethyl, haloxyfop-p-methyl, hexaconazole, hexazinone, hexythiazox, chlorbromuron, chlorfenviphos, chloridazon, chloridazon-desphenyl, chloridazon-methyl desphenyl, chlorotoluron, chlorotoluron-desmethyl, chloroxuron, chlorpropham, chlorpyrifos, chlorpyrifos-methyl, chlorsulfuron, imazalil, imazamethabenz-methyl, imazamox, imazapyr, imazethapyr, imidacloprid, imidacloprid olefin, imidacloprid urea, indoxacarb, iprodione, isoproturon, isoproturon-desmethyl, isoproturon-monodesmethyl, kresoxim-methyl, lenacil, linuron, malaaxon, malathion, mandipropamid, mecarbam, mephenpyr-diethyl, mesosulfuron-methyl, metalaxyl, metamitron, metazachlor, metazachlor ESA, metazachlor OA, metconazole, methabenzthiazuron, methamidophos, methidathion, methiocarb, methiocarb-sulfone, methiocarb-sulfoxide, methomyl, methomyl-oxime, methoxyfenozide, metobromuron, metolachlor (isomers), metolachlor ESA, metolachlor OA, metoxuron, metrafenone, metribuzin, metribuzin-desamino, metsulfuron-methyl, molinate, monocrotophos, monolinuron, monuron, myclobutanil, napropamide, naptalam, neburon, nicosulfuron, norflurazon, nuarimol, omethoate, oxadiazon, oxadixyl, oxamyl, oxyfluorfen, paclobutrazol, paraoxon-ethyl, paraoxon-methyl, parathion-ethyl, penconazole, pencycuron, pendimethalin, pethoxamid, phorate, phosalone, phosmet, phosmet-oxon, phosphamidon, picroxystrobin, pirimicarb, pirimiphos-ethyl, pirimiphos-methyl, primisulfuron-methyl, prodiamine, profenofos, prochloraz, prometon, prometryn, propachlor, propachlor ESA, propachlor OA, propamocarb, propanil, propaquizafop, propazine, propham, propiconazole, propoxur, propyzamide, prosulfocarb, pyraclostrobin, pyribenzoxim, pyridaben, pyrimethanil, pyriproxifen, quinalphos, quinclorac, quinmerac, quinoxifen, quizalofop, quizalofop-p-ethyl, rimsulfuron, sebuthylazine, sedaxane, sethoxydim, siduron, simazine, simazine-2-hydroxy, simetryn, spiroxamine, tebuconazole, tebufenpyrad, tebuthiuron, teflubenzuron, terbuthylazine, terbuthylazine-desethyl, terbuthylazine-desethyl-2-hydroxy, terbuthylazine-hydroxy, terbutryn, thiacloprid, thiamethoxam, thiazafurone, thiazuron, thiobencarb, tolclofos-methyl, triadimefon, triadimenol, tri-allate, triasulfuron, triazophos, tribenuron-methyl, trietazine, trifloxystrobin, trifloxysulfuron-sodium, triflumizole, triflumuron, triflusulfuron-methyl, triticonazole, tritosulfuron, zoxamide, sums calculation according to CZ_SOP_D06_03_J02
- ⁷¹ **Pesticides, their metabolites and drug residues – matrices: building materials, materials for building - 1-(3,4-Dichlorophenyl) urea (DCPU), 2-Chloro-2,6-diethylacetanilide, 6-chloronicotinic acid, acetamidprid, acetochlor, acclonifen, alachlor, aldicarb, ametryn, amidosulfuron, asulam, atraton, atrazine, atrazine- 2-hydroxy, atrazine-desethyl, atrazine-desisopropyl, azaconazole, azinphos-methyl, azoxystrobin, azoxystrobin-o-demethyl, BAM, benalaxyl, bentazone methyl, bifenox, biteranol, boscalid, bromacil, bromophos-ethyl, buprofezin, cadusafos, carbendazim, carbofuran, carboxin, clofentezine, clomazone, clomeprop, clothianidin, coumaphos, crimidine, cyanazine, cybutryne (irgarol), cyflufenamid, cyproconazole, cyprodinil, desmetryn, diazinon, dicrotophos, difenacoum, difenoconazole, difenoxuron, diflufenazur, diflufenican, dichlofenthiol, dichlorimid, dimefuron, dimethachlor, dimethenamid, dimethoate, dimethomorph, dimethylaminosulfanilide, dimoxystrobin, diuron, diuron desmethyl (DCPMU), epoxiconazole, EPTC, ethion, ethofumesate, ethoprophos, etoxazole, famphur, fenamiphos, fenarimol, fenhexamid, fenothiocarb, fenoxycarb, fenpropidin, fenpropimorph, fensulfthion, fenuron, fipronil, fipronil sulfone, florasulam, fluazifop, fluazifop-p-butyl, fludioxonil, flufenacet, fluometuron, fluopicolide, fluopyram, fluquinconazole, flusilazole, flutolanil, fonofos, foramsulfuron, furalaxyl, haloxyfop, haloxyfop-2-ethoxyethyl, haloxyfop-p-methyl, hexaconazole, hexazinone, hexythiazox, chlorbromuron, chlorfenviphos, chloridazon, chloridazon-desphenyl, chloridazon-methyl desphenyl, chlorotoluron, chlorotoluron-desmethyl, chloroxuron, chlorpropham, chlorpyrifos, chlorpyrifos-methyl, chlorsulfuron, imazalil, imazamethabenz-methyl, imazamox, imazapyr, imazethapyr, imidacloprid, imidacloprid olefin, imidacloprid urea, isoproturon, isoproturon-desmethyl, isoproturon-monodesmethyl, lenacil, linuron, malathion, mandipropamid, mecarbam, mesosulfuron-methyl, metalaxyl, metamitron, metazachlor, metconazole, methabenzthiazuron, methidathion, methomyl, methomyl-oxime, methoxyfenozide, metobromuron, metolachlor (isomers), metoxuron, metrafenone, metribuzin, metribuzin-desamino, molinate, monolinuron, monuron, myclobutanil, napropamide, naptalam, neburon, nicosulfuron, norflurazon, nuarimol, oxadiazon, oxadixyl, oxyfluorfen, paclobutrazol, paraoxon-ethyl, parathion-ethyl, penconazole, pencycuron, pendimethalin, pethoxamid, phorate, phosalone, phosphamidon, picroxystrobin, pirimicarb, pirimiphos-ethyl, pirimiphos-methyl, prodiamine, prochloraz, prometon, prometryn, propachlor, propamocarb, propanil, propaquizafop, propazine, propham, propiconazole, propyzamide, prosulfocarb, pyraclostrobin, pyrimethanil, pyriproxifen, quinalphos, quinclorac, quinmerac, quinoxifen, quizalofop-p-ethyl, sebuthylazine, sedaxane, sethoxydim, siduron, simazine, simazine-2-hydroxy, simetryn, spiroxamine, tebuconazole, tebufenpyrad, tebuthiuron, teflubenzuron, terbuthylazine, terbuthylazine-desethyl, terbuthylazine-desethyl-2-hydroxy, terbuthylazine-hydroxy, terbutryn, thiacloprid, thiamethoxam, thiazafurone, thiazuron, thiobencarb, tolclofos-methyl, triadimefon, triadimenol, tri-allate, triasulfuron, triazophos, tribenuron-methyl, trietazine, trifloxystrobin, trifloxysulfuron-sodium, triflumizole, triflumuron, triflusulfuron-methyl, triticonazole, tritosulfuron, zoxamide, sums calculation according to CZ_SOP_D06_03_J02**
- ⁷² **Pesticides, their metabolites and drug residues – 6-chloronicotinic acid, acetamidprid, acetochlor, aldicarb, aldicarb sulfone, aldicarb sulfoxide, amitraz, azoxystrobin, bifenthrin, boscalid, cadusafos, carbaryl, carbofuran, carbofuran-3-hydroxy, chlormequat, chlorpyrifos, clomazone, clothianidin, cyhalothrin (isomers), cypermethrin (isomers), cyproconazole, deltamethrin (isomers), diazinon, dichlorvos, dicrotophos, dimethoate, dimoxystrobin, diquat, epoxiconazole, fenoxycarb, fipronil, fipronil sulfone, imidacloprid olefin, imidacloprid urea, indoxacarb, isoproturon, isoproturon-desmethyl, isoproturon-monodesmethyl, kresoxim-methyl, malaaxon, malathion, mepiquat, metazachlor, metconazole, methidathion, methiocarb, methiocarb sulfone, methiocarb sulfoxide, methomyl, methomyl-oxime, paraquat, permethrin (isomers), pethoxamid, phosalone, phosmet, phosmet-oxon, phosphamidon, pirimicarb, prochloraz, propoxur, pyrimethanil, tau-fluvalinate, tebuconazole, thiacloprid, thiamethoxam, sums calculation according to CZ_SOP_D06_03_J02**
- ⁷³ **Perfluorinated compounds – Perfluorobutanoic acid (PFBA), Perfluoropentanoic acid (PFPeA), Perfluorohexanoic acid (PFHxA), Perfluoroheptanoic acid (PFHpA), Perfluorooctanoic acid (PFOA), Perfluorononanoic acid (PFNA), Perfluorodecanoic acid (PFDA), Perfluoroundecanoic acid (PFUnDA), Perfluorododecanoic acid (PFDoDA), Perfluorotridecanoic acid (PFTTrDA), Perfluorotetradecanoic acid (PFTeDA), Perfluorohexadecanoic acid (PFHxDA), Perfluorooctadecanoic acid (PFODaDA), Perfluorobutane sulfonic acid (PFBS), Perfluoropentane sulfonic acid (PFPeS), Perfluoroheptane sulfonic acid (PFHxS), Perfluoroheptane sulfonic acid (PFHpS), Perfluorooctane sulfonic acid (PFOS), Perfluorononane sulfonic acid (PFNS), Perfluorodecane sulfonic acid (PFDS), Perfluorododecane sulfonic acid (PFDoDS), 4:2 Fluorotelomer sulfonate (4:2 FTS), 6:2 Fluorotelomer sulfonate (6:2 FTS), 8:2 Fluorotelomer sulfonate (8:2 FTS), 10:2 Fluorotelomer sulfonate (10:2 FTS), Perfluorooctane sulfonamide (FOSA), N-Methyl perfluorooctane sulfonamide (MeFOSA), N-Ethyl perfluorooctane sulfonamide (EtFOSA), Perfluorooctane sulfonamidoacetic acid (FOSAA), N-methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA), N-ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA), 7H-perfluoroheptanoic acid (HPFHpA), Perfluoro-3,7-dimethyloctanoic acid (P37DMOA), N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE), N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE), Hexabromocyclododecane (HBCD), Tertabromobisphenol-A (TBBP-A)**
- ⁷⁴ **Polycyclic aromatic hydrocarbons – naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo-(a)-anthracene, chrysene, benzo-(b)-fluoranthene, benzo-(k)-fluoranthene, benzo-(j)fluoranthene, benzo-(a)-pyrene, dibenzo-(a,c)-anthracene@dibenzo-(a,h)-anthracene, benzo-(g,h,i)-perylene, indeno-(1,2,3,c,d)-pyrene, coronene, trifenylene@chrysene, calculation of sums according to CZ_SOP_D06_03_J02**
- ⁷⁵ **Polyols - Xylitol, Sorbitol, Mannitol, Isomalt, Lactitol, Maltitol**

**Appendix is an integral part of
Certificate of Accreditation No: 73/2022 of 14/02/2022**

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- 76 Bioindicators - freshwater and sea water plankton
- 77 Biological materials - blood, tissues, mother's milk, urine, sweat
- 78 Emissions - filters, liquid and solid sorbents, condensates, fly ash
- 79 Immissions - filters, solid sorbents
- 80 Fermented and hydrolysed food and beverages - e.g., beer, starch and starch products, soy sauces, malt extracts, yeast doughs
- 81 Liquid samples - industrial liquids, technical liquids, technological baths
- 82 Building materials - building materials (demolished material, recycled, disposed building materials)
- 83 Feed - products for animal nutrition, PET Food
- 84 Waste water - water from waste water treatment plants, grease or oil separators, sewage, cooling, technological, rinsing, industrial
- 85 Solid samples - waste (solid, liquid, biowaste), sediments, sludge, technological sludge products, soils, rocks, coal
- 86 Gases - gases from biogas plants, landfill gases
- 87 Working environment - filters, solid sorbents, tubes
- 88 Plant materials - green plants (root, flower, green parts), pollen
- 89 Material for building - new or unused building materials and raw materials for their production
- 90 Treated waters - dialysis water, aqua purificata, process, industrial, boiler and cooling water, irrigation water, water supplied by pipeline or taken from various reservoirs
- 91 Water - drinking, bottled, natural, mineral, pool, hot, bathing, raw, underground, surface, waste, sea water
- 92 Extracts - Aqueous extracts of soils, sediments, and waste according to valid legislation. Extracts are usually prepared according to standards ČSN EN 12457-2, ČSN EN 12457-3, ČSN EN 12457-4, ČSN EN 14405, US EPA 1311, US EPA 1312, DIN 38414 S4, ÖNORM S2072. The extract preparation method is always indicated in the test report.
- 93 Animal materials - insects
- 94 Contaminated surfaces – food industry premises, walls after fires, walls of technological operations
- 95 Selected foods - food, raw materials for food production, dietary supplements, and feed except for samples of listed matrices with a moisture content higher than 95%, unprocessed cereals and condensed milk
- 96 SPMD extracts - SPMD from surface water, ground water and immission