Hei,

Contro Oy vaatii hankintaoikaisua hankintapäätökselle ja esittää oikaisuvaatimusta kahteen (2) kohtaan, jotka ovat käsitelty alla:

KOHTA 1 (Contro Oy hylkääminen tarjouskilpailusta):

HANKINTAPÄÄTÖS 7452-2023 (02 08 00) – ”Rakennusten AHA- ja purkukartoitukset 31.5.2026 päättyvälle sopimuskaudelle”.

Ote Hankintapäätöksen päätöspöytäkirjasta 22.5.2024, sivu 3:
”Tarjouspyynnössä mainittiin sivulla 16 / 24 osaa-alueen 1 Rakennusten AHA-kartoitukset kohdassa ”Näytteiden analysointi” seuraavasti: ” Kaikkien tarjouspyynnön mukaisten näytteiden analysoinnin suorittavalla laboratoriolla / suorittavilla laboratorioilla on FINAS:n akkreditoimat pätevyysalueet käytettäville analyysimenetelmille” ja ”Monenkeskisen tunnustamissopimuksen (EA MLA) mukaisesti hyväksyttyjä laboratorioita ei hyväksytä”. Contro Oy:n ilmoittamalla tutkimuslaitoksella ALS Finland Oy:llä ja Tehokuivaus Oy:n ilmoittamalla tutkimuslaitoksella Geotaix Oy:llä ei ole FINAS:n akkreditoimia pätevyysalueita käytettäville analyysimenetelmille.” Tämän seurauksena Contro Oy on hylätty tarjoajista.

Contro Oy:n perustelut ja vaatimus:
Yrityksemme esittämän tutkimuslaitoksen Labroc Oy:n kaikkien näytteiden analyysimenetelmät ovat FINAS-akkreditoituja. Lisäksi toisena tutkimuslaitoksena esitetyn ALS Finland Oy:n asbestianalyysit, jotka tutkitaan sen omistamassa AHA-LAB Oy:ssa, ovat FINAS-akkreditoituja (liite 1, joka on toimitettu myös lisäselvitysvaiheessa). Mitään hankintaan liittyviä analyyseja ei tehdä FINAS-akkreditoimattomissa laboratorioissa. Katsomme, että tarjouksemme täyttää tarjouspyynnön ”7454-2023 / Rakennusten AHA- ja purkukartoitukset 1.6.2024 - 31.5.2026” vaatimuksen sivulla 16 / 24 ”*Kaikkien tarjouspyynnön mukaisten näytteiden analysoinnin suorittavalla laboratoriolla / suorittavilla* ***laboratorioilla on FINAS:n akkreditoimat pätevyysalueet käytettäville analyysimenetelmille.”****, koska* Labroc Oy:ssa tutkitaan kaikkia tarjouspyynnön mukaisia näytteitä ja ALS Finland Oy:n omistamassa AHA-LAB Oy:ssa tutkitaan ainoastaan asbestinäytteitä. Tarjouspyynnössä ei ole pyydetty tarkennusta, missä tutkimuslaitoksissa mitäkin analyyseja toteutetaan.

Tämän vuoksi katsomme hylkäyspäätöksen olevan tehty väärin perustein ja vaadimme sen oikaisua ja Contro Oy:n tarjouksen hyväksymistä.

Tämän lisäksi haluamme huomauttaa, että ALS Finland Oy:n kautta tehtävät muut analyysit (ALS Czech Republic) kuuluvat FINAS-akkreditoinnin piiriin (ILAC MRA -tunnus) eli ne ovat FINAS:n akkreditoimia (liite 2, joka on toimitettu myös lisäselvitysvaiheessa).
”FINAS-akkreditointipalvelun akkreditoimat testaus- ja kalibrointilaboratoriot, tarkastuslaitokset sekä vertailumittausjärjestäjät (jäljempänä Toimija) voivat kertoa toimintansa kuulumisesta kansainvälisen ILAC MRA -sopimuksen piiriin käyttämällä ILAC MRA -akkreditointitunnusta. ILAC MRA -akkreditointitunnuksen käyttöönotto edellyttää käyttöoikeussopimuksen solmimista FINAS-akkreditointipalvelun kanssa. ILAC MRA akkreditointitunnus on Suomessa rekisteröity tavaramerkki.”(FINAS)

Tarkempaa tietoa aiheesta:
https://www.finas.fi/Tietoa/Sivut/Tunnustamissopimukset.aspx
https://www.finas.fi/Tietoa/Sivut/Akkreditoitujen-palveluiden-hy%C3%B6dynt%C3%A4minen-eri-maissa-.aspx

KOHTA 2 (poikkeuksellisen alhainen hinta / Suomen Rakennusterveyspalvelut Oy):

HANKINTAPÄÄTÖS 7452-2023 (02 08 00) – ”Rakennusten AHA- ja purkukartoitukset 31.5.2026 päättyvälle sopimuskaudelle”.

Ote Hankintapäätöksen pöytäkirjasta 22.5.2024, sivu 3:
”Hankintayksikkö pyysi 19.4.2024 AFRY Finland Oy:ltä, AsbestMen Oy:ltä, Brado Oy:ltä Sitowise Oy:ltä, Suomen Rakennusterveyspalvelut Oy:ltä ja Sweco Finland Oy:ltä hankintalain 96 §:n mukaisen selvityksen muutamista poikkeuksellisen alhaisista tarjoushinnoista. AFRY Finland Oy:ltä 22.4.2024, AsbestMen Oy:ltä 23.4.2024, Brado Oy:ltä 22.4.2024, Sitowise Oy:ltä 24.4.2024, Suomen Rakennusterveyspalvelut Oy:ltä 22.4.2024 ja Sweco Finland Oy:ltä 22.4.2024 saatujen selvitysten mukaan tarjouksien hinnoissa ei ole ollut virhettä tai puutteellisuuksia ja että tarjouksissa esitetyt hinnat sisältävät kaikki tarjouspyynnön ja sen liitteiden mukaiset kustannukset, eikä poikkeuksellisen alhainen tarjous ole johtunut hankintalain 81 §:n 1 momentin 5 kohdassa tarkoitettujen velvoitteiden laiminlyönnistä. Hankintayksikkö on tämän perusteella katsonut, ettei sille ole syntynyt hankintalain mukaista velvollisuutta eikä myöskään oikeutta hylätä AFRY Finland Oy:n, AsbestMen Oy:n, Brado Oy:n, Sitowise Oy:n, Suomen Rakennusterveyspalvelut Oy:n ja Sweco Finland Oy:n tarjouksia.” Contro Oy on saanut nähtäväkseen hankintayksikön toimittamat hintavertailut, joista ilmenee Caverion Oy:n ja kilpailutuksen voittaneen Suomen Rakennusterveyspalvelut Oy:n tarjoushinnat. Hinnoista ilmenee myös kilpailutuksen voittaneen tahon poikkeuksellisen alhainen tarjoushinta, johon alla olevat perusteet ja vaatimus ovat kohdistettu.

Contro Oy:n perustelut ja vaatimus:
Suomen Rakennusterveyspalvelut Oy (myöh. SR Oy) on tarjonnut *”Yksittäisen asbestinäytteen otto + laboratorioanalyysi + analyysivastauksen toimittaminen”* hintaan 20,00 € (alv 0%), josta on saanut hankinnan kokonaisuuteen nähden merkittävän suuret pisteet (20 pistettä) ja käytännössä tämä ratkaissut (vääristänyt) koko kilpailutuksen sijoitukset. SR Oy on noussut tämän myötä kilpailutuksessa itse 1.sijalle. SR Oy on tarjonnut ko. kohtaan liittyvät yksikköhinnat eli kartoitustyöt hintaan 72,00 € / tunti ja asbestianalyysit hintaan 60,00 € /kpl. SR OY:n yksikköhintojen myötä sen ei käytännössä ole mahdollista toteuttaa ko. työtä (*Yksittäisen asbestinäytteen otto + laboratorioanalyysi + analyysivastauksen toimittaminen)* tarjoamaansa hintaan 20,00 €. Tällöin kyseessä on Contro Oy:n näkemyksen mukaan selkeästi tarjouskilpailun vääristäminen ja oman sijoituksen parantaminen. Ko. hankintapäätöksestä ei ilmene, mihin SR Oy on perustanut poikkeuksellisen alhaisen hintansa tai pyrkimyksistään vallata uusia markkinoita.

”Hankintalain 96 §:n 2 momentin mukaan hankintayksikkö voi hylätä hankinnan laatuun ja laajuuteen nähden hinnaltaan tai kustannuksiltaan poikkeuksellisen alhaisen tarjouksen, jos tarjoajan antama selvitys ja muu toimitettu näyttö ei tyydyttävästi selitä tarjottujen hintojen tai kustannusten alhaista tasoa.”

Tarjottu alhainen hinta on näkemyksemme ja alan muiden toimijoiden kuulemisen perusteella noin 90% keskihintaa edullisempi ja käytännössä mahdoton toteuttaa ilman merkittävää tappiota. Contro Oy:n arvion mukaan on myös riski, että SR Oy joudutaan poistamaan palveluntuottajan asemasta sopimuskaudella, jos se ei toteuta kyseessä olevaa palvelua tappiollisesti koko sopimuskauden ajan tai toistuvasti kieltäytyy/estyy ko. palvelun toteuttamisesta.

Contro Oy vaatii, että Hankintayksikkö hylkää SR Oy:n tekemän tarjouksen poikkeuksellisen alhaisen hinnan ja siitä aiheutuvan toimitusriskin vuoksi.

Mikäli SR Oy:n tekemää tarjousta ei hylätä, vaadimme näkemään Hankintayksikön aiemmin tekemien selvitysten ja päätösten perusteluja SR Oy:n alhaisten hintojen osalta, joiden perusteella Hankintayksikkö on hyväksynyt poikkeuksellisen alhaisen hinnan/tarjouksen. Selvityksistä tulee ilmetä, miten teknisesti ja taloudellisesti ko. työ on toteutettavissa tai onko SR Oy:n pyrkimyksenä ollut vallata uusia markkinoita.

Contro Oy, *Turussa 28.5.2024*

Antti Nieminen, toimitusjohtaja
Pansiontie 28, 20210 Turku
p. 0400 320 865, antti.nieminen@contro.fi

LIITTEET:
Liite 1. ALS Finland Oy / AHA-LAB Oy akkreditointitodistus (FINAS)
Liite 2. ALS Czech Republic akkreditointitodistus (FINAS / ILAC MRA)

AKKREDITOITU TESTAUSLABORATORIO

ACCREDITED TESTING LABORATORY

FINAS
Finnish Accreditation Service
T326 (EN ISO/IEC 17025)

ASBESTI- JA HAITTA-AINELABORATORIO AHA-LAB OY

LABORATORY FOR ANALYSES OF ASBESTOS AND HAZARDOUS MATERIALS AHA-LAB Oy

Tunnus *Code*	**Laboratorio** *Laboratory*	**Osoite** *Address*	**www** *www*
T326	**Asbesti- ja haitta-ainelaboratorio AHA-LAB Oy** ***Laboratory for analyses of asbestos and hazardous materials AHA-LAB Oy***	**Ruosilankuja 3 B** **00390 HELSINKI** ***Ruosilankuja 3 B*** ***FI-00390 HELSINKI*** ***FINLAND***	**www.aha-lab.fi** ***www.aha-lab.fi***

Testausalat *Fields of testing*
Asumisterveys *Healthy building*
Materiaali- ja tuotetestaus *Material and product testing*

PÄTEVYYSALUE ***SCOPE OF ACCREDITATION***		
Testattava materiaali / tuote ***Material / product tested***	**Testattava komponentti / parametri /ominaisuus** ***Component / parameter / characteristic tested***	**Testausmenetelmä / standardi / tekniikka** ***Test method / standard specification / techniques***
Asumisterveys, Kuituanalytiikka, Mikroskooppiset menetelmät ***Healthy building, Fibre analytics, Microscopic methods***		
Rakennusmateriaalit *Construction material*	**Asbesti, toteaminen ja tunnistaminen** *Asbestos, Detection and Identification*	ISO 22262-1:2012, muunneltu, SEM/EDS *ISO 22262-1:2012, modified, SEM/EDS*
Ilmanäyte *Air sample*	**Asbesti, toteaminen, tunnistaminen ja pitoisuus** *Asbestos, Detection, Identification and Quantitative determination*	ISO 14966:2019, muunneltu VDI 3492:2013, muunneltu, SEM/EDS *ISO 14966:2019, modified* *VDI 3492:2013, modified, SEM/EDS*
Teolliset mineraalikuidut *Man-made mineral fibers*	**Teollisten mineraalikuitujen pitoisuus laskeumapölystä** *Counting of man-made mineralfibers in settled dust*	Valomikroskopia, Sisäinen menetelmä, Asumisterveysasetuksen soveltamisohje, Osa III, Valvira Ohje 8/2016. *Light microscopy, In-house method, Guidance of Healthy Building Decree, Part III, Valvira Guidebook 8/2016*
Materiaali- ja tuotetestaus, Kemia, Mikroskooppiset menetelmät ***Material and product testing, Chemistry, Microscopic methods***		
Muovipohjaiset rakennusmateriaalit *Plastic based construction materials*	**PVC-muovin tunnistaminen klooripitoisuuden perusteella** *Identification of PVC plastics based on chlorine content*	SEM/EDS, Sisäinen menetelmä *SEM/EDS, In-house method*

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. **325/2023**

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

for the Testing Laboratoy 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, working environment and foodstuffs 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 Conformity Assessment Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited Conformity Assessment Body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 270/2023 of 31. 5. 2023, or any administrative acts building upon it.

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

Prague: 19. 6. 2023

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

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

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.
CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Testing laboratory Workplaces:

1. **Praha** 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. **Praha** Na Harfě 916/9a, 190 00 Praha 9
11. **Praha** Kolbenova 942/38a, 190 00 Praha 9
12. **Liberec** Jugoslávská 11, 460 07 Liberec

The laboratory applies a flexible approach to the scope of accreditation.
The current list of activities carried out within the flexible scope is publicly available on the laboratory's website Documents to downloads | ALS Global.
The laboratory provides opinions and interpretations of test results.
The laboratory is qualified to carry out independent sampling.
Detailed information on activities within the scope of accreditation (specified analytes / subject of testing / source literature) is given in the section „Specification of the scope of accreditation“

Tests:

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
1	**General Chemistry**			
1.1[1]	Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values including the calculation of total mineralization and calculating the sum of Ca+Mg	CZ_SOP_D06_02_001 (US EPA Method 200.7; ČSN EN ISO 11885; US EPA Method 6010; SM 3120; ČSN 75 7358)	Water, extracts, liquid samples	A, B, C, D
1.2[1]	Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_02_001 (US EPA Method 200.7; ČSN EN ISO 11885; US EPA Method 6010; SM 3120)	Solid samples, building materials, materials for building	A, B, C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
1.3[1]	Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_09_001 (US EPA Method 200.7; ČSN EN ISO 11885)	Food, feed	A, B, C, D
1.4[1]	Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_09_001 (US EPA Method 200.7; ČSN EN ISO 11885)	Biological material	A, B, C, D
1.5[1]	Determination of elements by atomic emission spectrometry with inductively coupled plasma and calculation of Cr^{3+} from measured values	CZ_SOP_D06_02_001 (US EPA Method 200.7; ČSN EN ISO 11885; ČSN EN 13211; ČSN EN 14385; ČSN EN 14902; IO 3.4, US EPA Method 29)	Emission, imission	A, B, C, D
1.6[1]	Determination of elements by atomic emission spectrometry with inductively coupled plasma	CZ_SOP_D06_09_001 (US EPA Method 200.7; ČSN EN ISO 11885; ČL/PhEur/USP)	Farmaceutical material	A, B, C, D
1.7[1]	Determination of elements by mass spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values including the calculation of total mineralization and calculating the sum of Ca+Mg	CZ_SOP_D06_02_002 (US EPA Method 200.8; ČSN EN ISO 17294-2; US EPA Method 6020A; ČSN 75 7358)	Water, extracts, liquid samples	A, B, C, D
1.8[1]	Determination of elements by mass spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_02_002 (US EPA Method 200.8; ČSN EN ISO 17294-2; US EPA Method 6020A)	Solid samples, building materials, materials for building	A, B, C, D
1.9[1]	Determination of elements by mass spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_09_002 (US EPA Method 200.8; ČSN EN ISO 17294-2; ČSN EN 15111)	Food, feed	A, B, C, D
1.10[1]	Determination of elements by mass spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_09_002 (US EPA Method 200.8; ČSN EN ISO 17294-2)	Biological material	A, B, C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
1.11[1]	Determination of elements by mass spectrometry with inductively coupled plasma and calculation of Cr^{3+} from measured values	CZ_SOP_D06_02_002 (US EPA Method 200.8; ČSN EN ISO 17294-2; ČSN EN 13211; ČSN EN 14385; ČSN EN 14902; US EPA Method 29)	Emission, imission	A, B, C, D
1.12[1]	Determination of elements by mass spectrometry with inductively coupled plasma	CZ_SOP_D06_09_002 (US EPA Method 200.8; ČSN EN ISO 17294-2; ČSN EN 15111; ČL/PhEur/USP)	Farmaceutical material	A, B, C, D
1.13[1]	Determination of Hg by atomic absorption spectrometry	CZ_SOP_D06_02_003 (ČSN 46 5735; ČSN 75 7440; ČSN EN ISO 12846)	Emission, imission	C, D
1.14[2]	Determination of Hg by single-purpose atomic absorption spectrometer	CZ_SOP_D06_07_004 (ČSN 75 7440; ČSN 46 5735)	Water, extracts, liquid samples, solid samples	C, D
1.15[2]	Determination of elements 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)	Water, extracts, liquid samples	A, B, C, D
1.16[2]	Determination of elements 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	A, B, C, D
1.17[2]	Determination of elements 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, extracts, liquid samples	A, B, C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
1.18[2]	Determination of elements 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, solid recovered fuels	A, B, C, D
1.19[2]	Determination of Kjeldahl nitrogen by spectrophotometry	CZ_SOP_D06_07_007.A (ČSN EN 25663; ČSN ISO 7150-1)	Water, extracts	C, D
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	C, D
1.21[2]	Determination of Cr^{VI} by spectrophotometry with diphenylcarbazide	CZ_SOP_D06_07_008 (ČSN ISO 11083)	Water, extracts, absorption solutions from emission samples	C, D
1.22[2]	Determination of total phosphorus and orthophosphate by spectrophotometry and calculation of P_2O_5 from measured values	CZ_SOP_D06_07_009.A (ČSN EN ISO 6878)	Water, extracts	C, D
1.23[2]	Determination of total phosphorus by spectrophotometry and P_2O_5 determination by calculation from measured values	CZ_SOP_D06_07_009.B (ČSN EN 14672; ČSN EN ISO 6878)	Sludge, technological sludge products	C, D
1.24[1]	Determination of elements by mass spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_09_002 (US EPA Method 200.8; ČSN EN ISO 17294-2)	Cosmetics products	A, B, C, D
1.25 – 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, extracts	A, C, D
1.30[2]	Determination of sum of sulfan and sulfide by spectrophotometry and calculation of free sulfan from measured values	CZ_SOP_D06_07_015.A (ČSN 83 0520-16:1978; ČSN 83 0530-31:1980; SM 4500-S2-D)	Water, extracts	A, C, D
1.31[2]	Determination of sum of sulfan and sulfide by spectrophotometry	CZ_SOP_D06_07_015.B (ČSN 83 0520-16:1978; ČSN 83 0530-31:1980)	Solid samples, building materials, materials for building	C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
1.32[2]	Determination of sum of sulfan and sulfide by spectrophotometry	CZ_SOP_D06_07_015.C (ČSN 83 0520-16:1978; ČSN 83 0530-31:1980; ČSN 83 4712 č. 3)	Absorption solutions from emission samples	C, D
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 Method 375.4; SM 4500-SO_4^{2-})	Water, extracts	A, C, D
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	C, D
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	C, D
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, extracts	C, D
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, extracts, liquid samples, absorption solutions from emission samples	C, D
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, extracts	A, C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
1.39[1]	Determination of orthophosphate by discrete spectrophotometry and calculation of orthophosphate's phosphorus from measured values including the calculation of total mineralization	CZ_SOP_D06_02_022 (ČSN EN ISO 6878; SM 4500-P)	Water, extracts	A, C, D
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, extracts, liquid samples	C, D
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, building materials, materials for building	A, C, D
1.42[1]	Determination of Hg by atomic absorption spectrometry	CZ_SOP_D06_09_024 (ČSN 75 7440)	Food, feed, biological materiál, cosmetic products	A, C, D
1.43[2]	Determination of extractable organically bound halogens (EOX) by coulometry	CZ_SOP_D06_07_025.A (DIN 38409-H8)	Water, extracts	A, C, D
1.44[2]	Determination of extractable organically bound halogens (EOX) by coulometry	CZ_SOP_D06_07_025.B (DIN 38409-H8)	Solid samples	C, D
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	C, D
1.46[2]	Determination of total halogens (TX) by coulometry	CZ_SOP_D06_07_027 (US EPA Method 9076; ČSN EN 14077)	Solid samples, oils, organic solvents	C, D
1.47[2]	Determination of adsorbable organically bound halogens (AOX) and dissolved organically bound halogens (DOX) by coulometry	CZ_SOP_D06_07_028 (ČSN EN ISO 9562; TNI 757531)	Water, extracts	A, C, D
1.48[2]	Determination of phenol index by spectrophotometric method after distillation	CZ_SOP_D06_07_029 (ČSN ISO 6439)	Solid samples	C, D
1.49 – 1.50	Reserved			
1.51[2]	Determination of absorbance and transmittance by spectrophotometry	CZ_SOP_D06_07_032 (ČSN 75 7360)	Water, extracts	A, C, D
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	C, D
1.53[2]	Determination of humic substances by spectrophotometry	CZ_SOP_D06_07_034 (ČSN 75 7536)	Drinking, raw, surface, ground water	C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
1.54[2]	Determination of water colour by spectrophotometric method	CZ_SOP_D06_07_035 (ČSN EN ISO 7887)	Water, extracts	C, D
1.55[2]	Determination of electrical conductivity	CZ_SOP_D06_07_036 (ČSN EN 27888)	Water, extracts, liquid samples	C, D
1.56[2]	Determination of pH electrochemically	CZ_SOP_D06_07_037 (ČSN ISO 10523)	Water, extracts, liquid samples	C, D
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 and waste leachate	C, D
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, extracts	C, D
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 14346:2007; ČSN EN 15002)	Solid fossil fuels, solid biofuels, solid recovered fuels, sludge, waste	C, D
1.62–1.63	Reserved			
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	C, D
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	C, D
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	C, D

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
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	A, C, D
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 15935; ČSN EN 13039; ČSN 72 0103; ČSN 46 5735)	Solid samples, silicate materials	A, C, D
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	C, D
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 (except liquid waste, biowaste) building materials, materials for building	C, D
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 (except liquid waste, biowaste) building materials[89], materials for building[82]	C, D
1.73[2]	Determination of water content by Karl Fischer method	CZ_SOP_D06_07_050 (ČSN ISO 760)	Liquid samples, solid samples	C, D
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, extracts	C, D
1.76[2]	Determination of suspended solids using glass fibre filters by gravimetry	CZ_SOP_D06_07_053 (ČSN EN 872)	Water, extracts	C, D
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, extracts	C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
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, building materials, materials for building	C, D
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 ISO 20236; SM 5310)	Water, extracts	C, D
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 Method 418.1; SM 5520 F; DS/R 209; SFS 3010)	Water, extracts	C, D
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 Method 418.1, SM 5520 F; DS/R 209; SFS 3010)	Solid samples	C, D
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, extracts	C, D
1.83[1]	Determination of alpha modification of silicon dioxide in respirable dust by infrared spectrometry	CZ_SOP_D06_02_060 (NIOSH 7602)	Dust	C, D
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 (Instruction of the HACH COMPANY; ČSN EN ISO 7393-2)	Drinking water, warm water, raw water	A, B, C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
1.85* 1,2,3,4,5,6,7, 8,9,12	Field measurement of temperature	ČSN 75 7342	Water	C, D
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	C, D
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	C, D
1.88[1]	Sensory analysis of water – determination of odour and taste	CZ_SOP_D06_09_065 (TNV 75 7340:2005 ČSN EN 1622; STN EN 1622)	Drinkig water	C, D
1.89[2]	Determination of phenols by continuous flow analysis (CFA) method spectrophotometrically	CZ_SOP_D06_07_066 (ČSN EN ISO 14402; Instruction of the SKALAR company)	Water, extracts, absorption solution from emission sampling	C, D
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; Instruction of the SKALAR company; ČSN EN 903)	Water, extracts	C, D
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, extracts	A, B, C, D
1.92	Reserved			
1.93[1]	Determination of dry suspended solids and annealed suspend solids by gravimetry and calculation of loos 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, extracts	C, D
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, extracts	C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
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, extracts	C, D
1.96[1]	Determination of base neutralizing capacity (acidity) by potentiometric titration	CZ_SOP_D06_02_073 (ČSN 75 7372)	Water, extracts	C, D
1.97[1]	Determination of turbidity by optical turbidimeter	CZ_SOP_D06_02_074 (ČSN EN ISO 7027-1)	Water, extracts	C, D
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, extracts, liquid samples	C, D
1.99[1]	Determination of chemical oxygen demand using dichromate (COD_{Cr}) by photometry	CZ_SOP_D06_02_076 (ČSN ISO 15705)	Water, extracts	C, D
1.100	Reserved			
1.101[1]	Determination of biochemical oxygen demand electrochemically after n days (BODn) by dilution method with allylthiourea addition	CZ_SOP_D06_02_077 (ČSN EN ISO 5815-1)	Water, extracts	C, D
1.102[1]	Determination of biochemical oxygen demand electrochemically after n days (BODn) by method for undiluted samples	CZ_SOP_D06_02_078 (ČSN EN 1899-2; ISO 5815-2)	Water, extracts	C, D
1.103[1]	Determination of colour by spectrophotometry	CZ_SOP_D06_02_079 (ČSN EN ISO 7887)	Water, extracts	C, D
1.104[1]	Determination of total phosphorus by discrete spectrophotometry and calculation of phosphorus as P_2O_5 and PO_4^{3-} from measured values	CZ_SOP_D06_02_080 (ČSN EN ISO 6878; ČSN EN ISO 15681-1)	Water, extracts	C, D
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, extracts	C, D
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	C, D

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
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	C, D
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	C, D
1.110[1]	Determination of total solids by gravimetry	CZ_SOP_D06_02_086 (ČSN 75 7346; ČSN 757347; ČSN EN 87; SM 2540 B, C, D)	Water	C, D
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	C, D
1.112[1]	Determination of pH, temperature and electrical conductivity in extracts prepared by a two-stage batch test (under specific conditions)	CZ_SOP_D06_01_088 (ČSN EN 12457-3; ČSN ISO 10523; ČSN 75 7342; ČSN EN 27888)	Solid samples	C, D
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, extracts, absorption solutions from emission sampling	A, C, D
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, building materials, materials for building	A, C, D
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, extracts	A, C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
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, building materials, materials for building	A, C, D
1.117[1]	Determination of fluorides by electrochemical method (ISE)	CZ_SOP_D06_02_091 (ČSN ISO 10359-1)	Water, extracts	C, D
1.118[1]	Determination of chemical oxygen demand using permanganate (COD_{Mn}) by titration	CZ_SOP_D06_02_092 (ČSN EN ISO 8467)	Water, extracts	C, D
1.119[1]	Determination of bound nitrogen (TNb), following oxidation to nitrogen oxides by chemiluminescent detection	CZ_SOP_D06_02_094.A (ČSN EN ISO 20236)	Water, extracts	C, D
1.120[1]	Determination of bound nitrogen (TNb), following oxidation to nitrogen oxides by IR detection	CZ_SOP_D06_02_094.B (ČSN EN ISO 20236)	Water, extracts	C, D
1.121[1]	Qualitative determination of asbestos fibre by polarization microscope	CZ_SOP_D06_02_095 (NIOSH 9002)	Solid samples, (except liquid waste, biowaste), building materials, materials for building	C, D
1.122[1]	Determination of Mercury by Fluorescence Spectrometry	CZ_SOP_D06_02_096 (US EPA Method 245.7; ČSN EN ISO 17852)	Water, extracts	C, D
1.123[1]	Determination of Mercury by Fluorescence Spectrometry	CZ_SOP_D06_02_096 (ČSN EN ISO 17852; ISO 16772:2004)	Solid samples, building materials, materials for building	C, D
1.124	Reserved			
1.125[1]	Determination of Mercury by Fluorescence Spectrometry	CZ_SOP_D06_02_096 (ČSN EN ISO 17852; ČSN EN 13211)	Emission, imission	C, D
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, extracts	A, B, C, D
1.129[1]	Determination of chloride by discrete spectrophotometry	CZ_SOP_D06_02_099 (US EPA Method 325.1; SM 4500-Cl^-)	Water, extracts	C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
1.130[1]	Determination of extractive substances by gravimetry	CZ_SOP_D06_02_100 (ČSN 75 7508; SM 5520B)	Water	C, D
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 (Instruction of the SKALAR company)	Drinking, surface water	A, C, D
1.132[2]	Determination of total nitrogen by modified Kjeldahl method by spectrometry	CZ_SOP_D06_07_102 (ČSN ISO 11261)	Solid samples	A, C, D
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	C, D
1.134[1]	Determination of grease and oils by gravimetry (extraction after evaporation)	CZ_SOP_D06_02_104 (ČSN 75 7509)	Water	C, D
1.135[1]	Determination of pH by potentiometry	CZ_SOP_D06_02_105 (ČSN ISO 10523; US EPA Method 150.1; SM 4500-H^+ B)	Water, extracts, liquid samples	C, D
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, extracts	C, D
1.138[1]	Determination of settleable solids by volumetry	CZ_SOP_D06_02_108 (SM 2540 F)	Water, extracts	A, C, D
1.139[1]	Determination of dissolved silicates by discrete photometry and calculation of H_2SiO_3 and total mineralization from measured values	CZ_SOP_D06_02_109 (ČSN EN ISO 16264; US EPA Method 370.1)	Water, extracts	C, D
1.140[1]	Determination of Chlorophyll by spectrophotometry	CZ_SOP_D06_02_110 (SM 10200 H)	Surface water	A, C, D
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	C, D
1.143[2]	Determination of pH electrochemically in the suspension in water, KCl, $CaCl_2$, $BaCl_2$	CZ_SOP_D06_07_113 (ČSN EN ISO 10390; ČSN EN 12176:1999; ČSN EN 13037;	Solid samples, building materials, materials for building	C, D

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
		ČSN 46 5735; ÖNORM L 1086-1; US EPA Method 9045D; US EPA Method 9040C)		
1.144[2]	Determination of formaldehyde by spectrophotometry	CZ_SOP_D06_07_114 (Chemical and physical methods of water analysis, SNTL Prague 1989)	Water, extracts	C, D
1.145[2]	Determination of non-degradable impurities, unwanted impurities and impurities gravimetrically	CZ_SOP_D06_07_115 (ČSN 46 5735; Decree No. 273/2021 Coll.; Uniform working procedures UKZÚZ – Fertilizer testing – 20231.1)	Waste, composts	C, D
1.146[2]	Determination of iron (II) by spectrophotometry	CZ_SOP_D06_07_116 (ČSN ISO 6332)	Water, extracts	A, C, D
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 (Instruction of Elementar company; ČSN ISO 10694; ČSN EN 13137:2002; ČSN EN 15936)	Solid samples, building materials, materials for building	C, D
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	C, D
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	C, D
1.150[2]	Determination of grain size by the combined method of the suspension density and sieve analyses 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; pokyn TOM 23/1)	Solid samples with grain sizes below 63 mm, sludges, sediments	C, D
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 (metodika firmy LECO; 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, waste, sludge, lubricants, feed, plants, digestates, solid fossil fuels, solid biofuels, solid recovered fuels, building materials, materials for building	A, C, D

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
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 (Instruction of the LECO)	Oil, liquid fuels, combustible liquid, and solid wastes	A, C, D
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 (US EPA Method 7199; SM 3500-Cr)	Water, extracts	C, D
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 (ČSN EN ISO 15192; US EPA Method 3060A)	Solid samples	C, D
1.155[2]	Determination of particle size and distribution using laser diffraction	CZ_SOP_D06_07_123 (ISO 13320)	Emulsions, suspensions, dispersion liquids, waters – waste, surface, raw	C, D
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	A, C, D
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	C, D
1.159[1,2]	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	A, B, C, D
1.160[1,2]	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	C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
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	C, D
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	C, D
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; US EPA Method 425)	Emission, imission	A, C, D
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 (Instruction ot the Fondazione Salvatore Maugeri Institut; ČSN EN ISO 10304-1; ČSN EN ISO 10304-3)	Emission, imission	A, B, C, D
1.165[1]	Determination of sulphite by ion chromatography method	CZ_SOP_D06_02_129 (ČSN EN ISO 10304-3)	Water, extracts	A, B, C, D
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	C, D
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, extracts	C, D
1.168[2]	Determination of respiratory activity (AT_4) using respirometer	CZ_SOP_D06_07_132 (ÖNORM S 2027-4)	Wastes, sludges, composts, soils	C, D
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	C, D
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	C, D
1.171[1]	Determination of non-polar extractable compounds by UV spectrometry	CZ_SOP_D06_02_135 (ČSN 83 0540-4:1998; STN 83 0540-4)	Water, extracts	C, D

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
1.172[1]	Determination of non-polar extractable compounds by UV spectrometry	CZ_SOP_D06_02_135 (ČSN 83 0540-4:1998; STN 83 0540-4)	Solid samples	C, D
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 Sb.)	Working environment	C, D
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	C, D
1.175[2]	Determination of P_2O_5 in silicate materials after decomposition by spectrophotometry	CZ_SOP_D06_07_138 (ČSN 72 0116-1)	Solid samples	C, D
1.176[2]	Determination of total sulfur in silicate materials after decomposition by gravimetry	CZ_SOP_D06_07_139 (ČSN 72 0118)	Solid samples	C, D
1.177	Reserved			
1.178* [1,2,5]	Determination of CH_4, CO_2, O_2, H_2S by Geotech Company gas analyzer and calculation of N_2 from measured values	CZ_SOP_D06_01_141 (BIOGAS 5000 Analyzer Manual)	Gases	A, B, C, D
1.179	Reserved			
1.180[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)	Water, extracts, liquid samples	C, D
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	A, C, D
1.182	Reserved			
1.183[1]	Determination of the numerical concentration of asbestos and mineral fibers by a microscope with phase contrast	CZ_SOP_D06_02_145 (ISO 8672; WHO Determination of airborne fibre number concentration, NIOSH 7400; OSHA ID-160; MTA/MA-051/A04)	Outdoor and indoor air, working environment – exposed filters	C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
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 Method 8015; US EPA Method 3550; TNRCC Method 1006)	Solid samples	A, C, D
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 Method 8015; US EPA Method 3510; TNRCC Method 1006)	Water, extracts	A, C, D
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 (TNRCC Method 1006; TNRCC Method 1005)	Water, extracts, liquid samples	A, B, C, D
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 (TNRCC Method 1006; TNRCC Method 1005)	Solid samples	A, B, C, D
2.5[1]	Determination of volatile organic compounds by gas chromatography method with detection FID and MS and calculation of volatile organic compounds sums from measured values and results recalculation to the volume of air	CZ_SOP_D06_03_153 (ČSN P CEN/TS 13649; NIOSH 1003; NIOSH 1005; NIOSH 1007; NIOSH 1022; NIOSH 1400; NIOSH 1450; NIOSH 1457; NIOSH 1500; NIOSH 1501; NIOSH 1602; NIOSH 1609; NIOSH 2542)	Solid sorbents	A, B, C, D
2.6[1]	Determination of aldehydes and ketones by liquid chromatography with MS/MS detection	CZ_SOP_D06_03_154 (US EPA MethodTO11; ISO 16000-3)	Working environment, emission, imission	B, C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
2.7[1]	Determination of volatile organic compounds by gas chromatography method with FID and MS detection and calculation of volatile organic compounds sums from measured values	CZ_SOP_D06_03_155 (US EPA Method 624; US EPA Method 5021A; US EPA Method 8260; US EPA Method 8015; ČSN EN ISO 10301; MADEP 2004, rev. 1.1; ČSN ISO 11423; ČSN EN ISO 15680)	Water, extracts	A, B, C, D
2.8[1]	Determination of volatile organic compounds by gas chromatography method with FID and MS detection and calculation of volatile organic compounds sums from measured values	CZ_SOP_D06_03_155 (US EPA Method 8260; US EPA Method 5021A; US EPA Method 5021; US EPA Method 8015; ČSN EN ISO 22155; ČSN EN ISO 15009; ČSN EN ISO 16558-1; MADEP 2004, rev. 1.1,)	Solid samples	A, B, C, D
2.9[1]	Determination of volatile organic compounds by gas chromatography method with detection FID and ECD and calculation of volatile organic compounds sums from measured values	CZ_SOP_D06_03_156 (US EPA Method 601; US EPA Method 8260; US EPA Method 8015; RBCA Petroleum Hydrocarbon Methods; ČSN EN ISO 11423; ČSN EN ISO 15680)	Water, extracts	A, B, C, D
2.10[1]	Determination of volatile organic compounds by gas chromatography method with detection FID and ECD and calculation of volatile organic compounds sums from measured values	CZ_SOP_D06_03_156 (US EPA Method 8260; US EPA Method 8015; ČSN EN ISO 22155; ČSN EN ISO 15009; ČSN EN ISO 16558-1; RBCA Petroleum Hydrocarbon Methods)	Solid samples	A, B, C, D
2.11[1]	Determination of organic contaminants by gas chromatography method with MS detection (SPIMFAB) and calculation of organic contaminants sums from measured values	CZ_SOP_D06_03_157 (SPIMFAB)	Water, extracts	A, B, C, D

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
2.12[1]	Determination of organic contaminants by gas chromatography method with MS detection (SPIMFAB) and calculation of organic contaminants sums from measured values	CZ_SOP_D06_03_157 (SPIMFAB)	Waste (solid waste, biowaste), sediments, soil, rocks	A, B, C, D
2.13[1]	Determination of phenol and chlorinated phenols by gas chromatography method with MS detection and calculation of phenol and chlorinated phenols sums from measured values	CZ_SOP_D06_03_158 (US EPA Method 8041; US EPA Method 3500, ČSN EN 12673)	Water	A, C, D
2.14[1]	Determination of phenol and chlorinated phenols by gas chromatography method with MS detection and calculation of phenol snd chlorinated phenols sums from measured values	CZ_SOP_D06_03_158 (US EPA Method 8041; US EPA Method 3500; DIN ISO 14154)	Building materials, materials for building, waste (solid waste, biowaste), sediments, soil, rocks	A, C, D
2.15[1]	Determination of cannabinoids by gas chromatography method with MS detection	CZ_SOP_D06_03_204	Cannabis plants, hemp extracts, hemp products	A, C, D
2.16[1]	Determination of phthalates by gas chromatography method with MS detection and calculation of phthalates sums from measured values	CZ_SOP_D06_03_159 (US EPA Method 8061A)	Water, extracts	A, B, C, D
2.17[1]	Determination of phthalates by gas chromatography method with MS detection and calculation of phthalates sums from measured values	CZ_SOP_D06_03_159 (US EPA Method 8061A; CPSC-CH-C1001-09.3)	Building materials, materials for building, waste (solid waste, biowaste), sediments, soil, rocks	A, B, C, D
2.18[1]	Determination of phenols and cresols by gas chromatography method with MS detection and calculation of phenols and cresols sums from measured values	CZ_SOP_D06_03_160 (US EPA Method 8041A; US EPA Method 3500)	Water, extracts	A, B, C, D
2.19[1]	Determination of phenols and cresols by gas chromatography method with MS detection and calculation of phenols and cresols sums from measured values	CZ_SOP_D06_03_160 (US EPA Method 8041A; US EPA Method 3500)	Building materials, materials for building, waste (solid waste, biowaste), sediments, soil, rocks	A, B, C, D
2.20[1]	Determination of semi volatile organic compounds 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 (US EPA Method 8270D; US EPA Method 8082A; ČSN EN ISO 6468; US EPA Method 8000D)	Water, extracts	A, B, C, D

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
2.21[1]	Determination of semi volatile organic compounds 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 (US EPA Method 8270D; US EPA Method 8082A; ČSN EN 17503; ISO 18287; ISO 10382; ČSN EN 17322)	Building materials, materials for building, waste (solid waste, biowaste), sediments, soil, rocks	A, B, C, D
2.22[1]	Determination of polycyclic aromatic hydrocarbons by liquid chromatography method with detection FLD and PDA and calculation of polycyclic aromatic hydrocarbons sums from measured values	CZ_SOP_D06_03_162 (US EPA Method 550)	Drinking, table, and infant water	A, B, C, D
2.23[1]	Determination of polycyclic aromatic hydrocarbons by liquid chromatography method with detection FLD and PDA and calculation of polycyclic aromatic hydrocarbons sums from measured values	CZ_SOP_D06_03_163 (US EPA Method 610; ČSN EN ISO 17993)	Water, extracts	A, B, C, D
2.24[1]	Determination of polycyclic aromatic hydrocarbons by liquid chromatography method with detection FLD and PDA and calculation of polycyclic aromatic hydrocarbons sums from measured values	CZ_SOP_D06_03_163 (US EPA Method 610; US EPA Method 3550; ČSN EN 17503)	Solid samples	A, B, C, D
2.25[1]	Determination of glycols by gas chromatography method with MS detection	CZ_SOP_D06_03_164	Water, cooling liquids, anti-freeze fluid	A, B, C, D
2.26[1]	Determination of polycyclic aromatic hydrocarbons by liquid chromatography method with detection FLD and PDA 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, imission	A, B, C, D
2.27[1]	Determination of polychlorinated biphenyls by gas chromatography method with ECD detection and calculation of polychlorinated biphenyls sums from measured values	CZ_SOP_D06_03_166 (DIN 38407-3; US EPA Method 8082)	Water, extracts	A, B, C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
2.28[1]	Determination of polychlorinated biphenyls by gas chromatography method with ECD detection and calculation of polychlorinated biphenyls sums from measured values	CZ_SOP_D06_03_166 (US EPA Method 8082; ISO 10382; ČSN EN 17322)	Solid samples, sealing materials	A, B, C, D
2.29[1]	Determination of alkylphenols and alkylphenol ethoxylates 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	A, B, C, D
2.30[1]	Determination of polychlorinated biphenyls 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	A, B, C, D
2.31[1]	Determination of organochlorine pesticides and other halogen compounds 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 (ČSN EN ISO 6468; US EPA Method 8081; DIN 38407-3)	Water, extracts	A, B, C, D
2.32[1]	Determination of organochlorine pesticides and other halogen compounds 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 (US EPA Method 8081; ISO 10382)	Solid samples	A, B, C, D
2.33[1]	Determination of perchlorates by liquid chromatography with MS/MS detection	CZ_SOP_D06_03_170.A (US EPA Method 6850)	Drinking water	A, B, C, D
2.34[1]	Determination of perchlorates by liquid chromatography with MS/MS detection	CZ_SOP_D06_03_170.B (US EPA Method 6850)	Sediments, sludges, soils, rocks	A, B, C, D
2.35[3]	Determination of polychlorinated dibenzo-*p*-dioxins and dibenzofuranes in emissions by isotope dilution method using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_170 (US EPA Method 23; US EPA Method 23A)	Emission	C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
2.36[3]	Determination of polychlorinated dibenzo-*p*-dioxins and dibenzofuranes in imission by isotope dilution method using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_171 (US EPA Method TO-9A)	Imission	C, D
2.37[3]	Determination of coplanar polychlorinated biphenyls 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, imission	C, D
2.38[3]	Determination of polychlorinated biphenyls by isotope dilution method using HRGC-HRMS or HRGC-MS/MS and calculation of PCB sums and TEQ parameter from measured values	CZ_SOP_D06_06_173 (US EPA Method 1668A; ČSN EN 16190)	Water	A, B, C, D
2.39[3]	Determination of polychlorinated biphenyls by isotope dilution method using HRGC-HRMS or HRGC-MS/MS and calculation of PCB sums and TEQ parameter from measured values	CZ_SOP_D06_06_173, (US EPA Method 1668A; ČSN EN 16190)	Solid samples, building materials, materials for building	A, B, C, D
2.40[3]	Determination of polychlorinated biphenyls by isotope dilution method using HRGC-HRMS or HRGC-MS/MS and calculation of PCB sums and TEQ parameter from measured values	CZ_SOP_D06_06_173 (US EPA Method 1668A; ČSN EN 16190, Commission Regulation (EU) No. 589/2014; Commission Regulation (EU) No. 709/2014)	Biological materials, vegetable materials, animal materials	A, B, C, D
2.41[3]	Determination of polychlorinated biphenyls by isotope dilution method using HRGC-HRMS or HRGC-MS/MS and calculation of PCB sums and TEQ parameter from measured values	CZ_SOP_D06_06_173 (US EPA Method 1668A; ČSN EN 16190; Commission Regulation (EU) No. 589/2014; Commission Regulation (EU) No. 709/2014)	SPMD, food, feed, biotic materials	A, B, C, D
2.42[3]	Determination of polychlorinated dibenzo-p-dioxins and dibenzofuranes 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	C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
2.43[3]	Determination of tetra- to octa-chlorinated dioxins and furanes by isotope dilution method using HRGC-HRMS or HRGC-MS/MS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_175 (US EPA Metod 1613B; ČSN EN 16190)	Water	A, B, C, D
2.44[3]	Determination of tetra- to octa-chlorinated dioxins and furanes by isotope dilution method using HRGC-HRMS or HRGC-MS/MS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_175 (US EPA Method 1613 B; ČSN EN 16190)	Solid samples, building materials, materials for building	A, B, C, D
2.45[3]	Determination of tetra- to octa-chlorinated dioxins and furanes by isotope dilution method using HRGC-HRMS or HRGC-MS/MS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_175 (US EPA Method 1613B, ČSN EN 16190, Commission Regulation (EU) No. 589/2014; Commission Regulation (EU) No. 709/2014)	Biological materials, vegetable materials, animal materials	A, B, C, D
2.46[3]	Determination of tetra- to octa-chlorinated dioxins and furanes by isotope dilution method using HRGC-HRMS or HRGC-MS/MS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_175 (US EPA Method 1613B; ČSN EN 16190; Commission Regulation (EU) No. 589/2014; Commission Regulation (EU) No. 709/2014)	SPMD, food, feed, biotic materials	A, B, C, D
2.47[3]	Determination of polychlorinated dibenzodioxins (PCDD) and polychlorinated dibenzofurans (PCDF) using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_176 (US EPA Method 8290A)	Water	C, D
2.48[3]	Determination of polychlorinated dibenzodioxins (PCDD) and polychlorinated dibenzofurans (PCDF) using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_176 (US EPA Method 8290A)	Solid samples	C, D
2.49[3]	Determination of polychlorinated dibenzodioxins (PCDD) and polychlorinated dibenzofurans (PCDF) using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_176, (US EPA Method 8290A)	Biological materials	C, D

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
2.50[3]	Determination of polychlorinated dibenzodioxins (PCDD) and polychlorinated dibenzofurans (PCDF) using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_176 (US EPA Method 8290A)	Food, feed, biotic materials	C, D
2.51[3]	Determination of selected brominated flammable retardants (BFR) by isotope dilution method using HRGC-HRMS and calculation of brominated flammable retardants sums from measured values	CZ_SOP_D06_06_177 (US EPA Method 1614)	Water	A, B, C, D
2.52[3]	Determination of selected brominated flammable retardants (BFR) by isotope dilution method using HRGC-HRMS and calculation of brominated flammable retardants sums from measured values	CZ_SOP_D06_06_177 (US EPA Method 1614; ČSN EN 16377; ČSN EN ISO 22032)	Solid samples, building materials, materials for building	A, B, C, D
2.53[3]	Determination of selected brominated flammable retardants (BFR) by isotope dilution method using HRGC-HRMS and calculation of brominated flammable retardants sums from measured values	CZ_SOP_D06_06_177 (US EPA Method 1614)	Biological materials, vegetable materials, animal materials	A, B, C, D
2.54[3]	Determination of selected brominated flammable retardants (BFR) by isotope dilution method using HRGC-HRMS and calculation of brominated flammable retardants sums from measured values	CZ_SOP_D06_06_177 (US EPA Method 1614)	SPMD, food, feed, biotic materials	A, B, C, D
2.55[1]	Determination of alkylphenols and alkylphenol ethoxylates 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, extracts	A, B, C, D
2.56[3]	Determination of PCB 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 Method TO-4A)	Emission, imission, working environment	C, D
2.57[3]	Determination of polycyclic aromatic hydrocarbons by isotope dilution method using HRGC-HRMS and calculation of polyaromatic hydrocarbons sums from measured values	CZ_SOP_D06_06_180 (US EPA Method 429; ISO 11338; US EPA Method 3540)	Solid samples, building materials, materials for building	A, B, C, D

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
2.58[3]	Determination of polycyclic aromatic hydrocarbons by isotope dilution method using HRGC-HRMS and calculation of polyaromatic hydrocarbons sums from measured values	CZ_SOP_D06_06_180 (US EPA Method 429; ISO 11338; US EPA Method TO-13A; ČSN EN 15549)	Emission, imission, working environment	A, B, C, D
2.59[3]	Determination of polycyclic aromatic hydrocarbons by isotope dilution method using HRGC-HRMS and calculation of polyaromatic hydrocarbons sums from measured values	CZ_SOP_D06_06_180 (US EPA Method 429; STN EN 16619)	Biological materials, vegetable materials, animal materials	A, B, C, D
2.60[3]	Determination of polycyclic aromatic hydrocarbons by isotope dilution method using HRGC-HRMS and calculation of polyaromatic hydrocarbons sums from measured values	CZ_SOP_D06_06_180 (US EPA Method 429; STN EN 16619)	SPMD, food, feed, biotic materials	A, B, C, D
2.61[3]	Determination of polycyclic aromatic hydrocarbons by isotope dilution method using HRGC-HRMS and calculation of polyaromatic hydrocarbons sums from measured values	CZ_SOP_D06_06_180 (US EPA Method 429; ISO 11338; IP 346)	Oils	A, B, C, D
2.62[1]	Determination of semi-volatile organic compounds 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 Method 429; US EPA Method 1668; US EPA Method 3550)	Sediments, soils, rocks	A, B, C, D
2.63[1]	Determination of acidic herbicides, drug residues and other pollutants 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	A, B, C, D
2.64[1]	Determination of acidic herbicides and drug residues by liquid chromatography method with MS/MS detection	CZ_SOP_D06_03_182.B (ČSN EN 15637; US EPA Method 1694)	Sediments, sludges, soils, rocks	A, B, C, D
2.65[1]	Determination of pesticides, pesticide metabolites, drug residues and other pollutants 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 Method 535, US EPA Method 1694)	Water	A, B, C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
2.66[1]	Determination of pesticides, pesticide metabolites, drug residues and other pollutants 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 Method 1694)	Sediments, sludges, soils, rocks, building materials, materials for building	A, B, C, D
2.67[1]	Determination of pesticides, pesticide metabolites, drug residues and other polutants 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, animal materials	A, B, C, D
2.68[1]	Determination of pesticides 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 Method 8141B; US EPA Method 3535A; ČSN EN 12918)	Water	A, B, C, D
2.69[1]	Determination of pesticides and pesticides metabolites 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	A, B, C, D
2.70[1]	Determination of pesticides and pesticides metabolites 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/ES)	Sediments, sludges, soils, rocks	A, B, C, D
2.71[1]	Determination of complexing substances by gas chromatography method with MS detection	CZ_SOP_D06_03_186 (ČSN EN ISO 16588)	Water	A, B, C, D
2.72[1]	Determination of polycyclic aromatic hydrocarbons derivatives by liquid chromatography method with MS detection	CZ_SOP_D06_03_187 (Journal of Chromatography A, 1133 (2006) 241–247)	Emission, imission	A, B, C, D
2.73[1]	Determination of organic acids 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	Water	A, B, C, D

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
		Source Volume: 53 Source Issue: 2, ISSN: 1406-0124)		
2.74[1]	Determination of organic acids by capillary electrophoresis method with UV detection	CZ_SOP_D06_03_188.B (manuál firmy Lumex, 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, composts, digestate	A, B, C, D
2.75[1]	Determination of gases by gas chromatography method with detection FID and TCD	CZ_SOP_D06_03_189 (US EPA Method RSK-175)	Water, liquid samples	A, B, C, D
2.76[1]	Low limit determination of volatile organic compounds by gas chromatography method with MS detection and calculation of volatile organic compounds sums from measured values	CZ_SOP_D06_03_190, (US EPA Method 5021; US EPA Method 8260)	Water	A, B, C, D
2.77[1]	Low limit determination of volatile organic compounds by gas chromatography method with MS detection and calculation of volatile organic compounds sums from measured values	CZ_SOP_D06_03_190, (US EPA Method 5021; US EPA Method 8260)	Solid samples	A, B, C, D
2.78[1]	Determination of chlorinated alkanes by gas chromatography method with MS/MS detection	CZ_SOP_D06_03_192.A (ČSN EN ISO 12010)	Water	A, B, C, D
2.79[1]	Determination of chlorinated alkanes by gas chromatography method with MS/MS detection	CZ_SOP_D06_03_192.B (ČSN EN ISO 12010; ČSN EN ISO 18635)	Building materials, materials for building, sediments, soils	A, B, C, D
2.80[1]	Determination of aniline and its derivatives by gas chromatography with MS detection	CZ_SOP_D06_03_193 (US EPA Method 8270)	Sediments, sludges, soils, rocks	A, B, C, D
2.81[1]	Determination of chlorinated phenols by liquid chromatography method with MS/MS detection	CZ_SOP_D06_03_194	Water	A, B, C, D
2.82[1]	Determination of drug residues by liquid chromatography method with MS/MS detection and results recalculation to the volume of air	CZ_SOP_D06_03_195 (Jia Yu a kol.: Biomed. Chromatogr. 2011; 25: 511–516)	Working environment	A, B, C, D

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
2.83[1]	Determination of epichlorhydrine by gas chromatography method with MS/MS detection	CZ_SOP_D06_03_196 (Application sheet by Agilent Technologies 5990-6433EN)	Water	A, C, D
2.84[1]	Determination of perfluorinated and brominated compounds by liquid chromatography with MS/MS detection	CZ_SOP_D06_03_197.A (US EPA Method; ČSN P CEN/TS 15968; ISO 21675; ISO 25101)	Water, extracts	A, B, C, D
2.85[1]	Determination of perfluorinated and brominated compounds by liquid chromatography with MS/MS detection	CZ_SOP_D06_03_197.B (DIN 38414-14)	Sediments, sludges, soils, rocks	A, B, C, D
2.86[1]	Determination of volatile organic compounds 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	A, B, C, D
2.87[3]	Determination of fat by gravimetry	CZ_SOP_D06_06_199 (US EPA Method 1613)	Food, feed, biological materials	C, D
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	A, C, D
2.89[1]	Determination of drug residues and narcotic and psychotropic substandes by liquid chromatography method with MS/MS detection	CZ_SOP_D06_03_201.A (US EPA Method 1694)	Water	A, B, C, D
2.90[1]	Determination of organic acids 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	A, B, C, D
2.91[1]	Determination of polycyclic aromatic hydrocarbons 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, imission	A, B, C, D
3	**Organic Food Chemistry**			
3.1[1]	Determination of fatty acids by gas chromatography method with FID detection and calculation sum of	CZ_SOP_D06_09_202 (ČSN EN ISO 12966-1; ČSN EN ISO 12966-2)	Food, feed, dietary supplements	A, B, C, D

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
	SAFA, MUFA, PUFA, TFA, Omega 3, Omega 6			
3.2[1]	Determination of cholesterol by gas chromatography method with FID detection	CZ_SOP_D06_09_205 (Prof. Ing. Jiří Davídek, 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	A, C, D
3.3[1]	Determination of retinol and alpha tocopherol by liquid chromatography method with FLD detection	CZ_SOP_D06_09_206 (ČSN EN 12823-1; ČSN EN 12822)	Fats, fatty food, non-fatty food, dietary supplements, feed, and premixes	A, C, D
3.4[1]	Determination of vitamin C (ascorbic acid) by liquid chromatography method with PDA detection	CZ_SOP_D06_09_207 (ČSN EN 14130:2004)	Beverages, candy, non-fatty food, dietary supplements, fruit, vegetables	A, C, D
3.5[1]	Determination of Soya protein by ELISA by commercial set	CZ_SOP_D06_09_208 (R-Biopharm Manual – Ridascreen FAST Soya)	Food, swap	A, C, D
3.6[1]	Determination of substitute sweeteners by liquid chromatography method with PDA detection	CZ_SOP_D06_09_209 (ČSN EN 12856)	Beverages, milk products, jams, dietary supplements, fishes	A, B, C, D
3.7[1]	Determination of substitute sweeteners by liquid chromatography method with PDA detection and calculation of fat-free cocoa solids from the measured values	CZ_SOP_D06_09_210 (ČSN EN 12856; ČSN 56 0578)	Beverages, tea, coffee, cocoa, chocolate	A, C, D
3.8[1]	Determination of preserving agents in food by liquid chromatography method with PDA detection	CZ_SOP_D06_09_211 (ČSN EN 12856)	Beverages, jams, vegetable and fruit sauces and pastes, mustard, fatty and milk products, dietary supplements	A, B, C, D
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_09_212 (ČSN EN 14123; ČSN EN ISO 16050; ČSN EN ISO 17375)	Food with low water content, beverages, feed	A, C, D
3.10[1]	Determination of the content of ochratoxin A by liquid chromatography method with FLD detection	CZ_SOP_D06_09_213 (ČSN EN 15829; ČSN EN 14133; ČSN EN 14132)	Food with low water content, beverages, dietary supplements, feed	A, C, D
3.11[1]	Determination of zearalenone by liquid chromatography method with FLD detection	CZ_SOP_D06_09_214 (ČSN EN 15792; ČSN EN 15850)	Cereals, feed	A, C, D
3.12[1]	Determination of aflatoxin M1 by liquid chromatography method with FLD detection	CZ_SOP_D06_09_215 (ČSN EN ISO 14501)	Milk, dried milk, and products from them	A, C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
3.13[1]	Determination of patulin by liquid chromatography method with PDA detection	CZ_SOP_D06_09_216 (ČSN EN 14177)	Food with high water content, dietary supplements, beverages	A, C, D
3.14[1]	Determination of deoxynivalenol by liquid chromatography method with PDA detection	CZ_SOP_D06_09_217 (ČSN EN 15791; ČSN EN 15891)	Food with low water content, beverages, dietary supplements, feed	A, C, D
3.15[1]	Determination of vitamins B_1, B_2 a B_6 by liquid chromatography method with FLD detection	CZ_SOP_D06_09_218 (ČSN EN 14122; ČSN EN 14152; ČSN EN 14663; ČSN EN 14164)	Fats, fatty food, non-fatty food, feed, dietary supplements	A, B, C, D
3.16[1]	Determination of folic acid by ELISA method by commercial set	CZ_SOP_D06_09_219 (R-Biopharm– Ridascreen Folic Acid Manual)	Food, feed, dietary supplements	A, C, D
3.17[1]	Determination of biotin by ELISA method by commercial set	CZ_SOP_D06_09_220 (Demeditec Manual)	Milk, milk products, cereals and cereal products, non-alcoholic beverages, baby food, feed, dietary supplements	A, C, D
3.18[1]	Determination of gliadin (gluten) by sandwich enzyme immunoassay ELISA Method by commercial set	CZ_SOP_D06_09_221.A (R-Biopharm– Ridascreen Gliadin Manual)	Fatty food, non-fatty food, dietary supplements, swabs	A, C, D
3.19[1]	Determination of gliadine (gluten) by competitive immunoassay ELISA Method by commercial set	CZ_SOP_D06_09_221.B (R-Biopharm– Ridascreen Gliadin Manual)	Fermented and hydrolyzed foods and beverages	A, C, D
3.20[1]	Determination of mustard allergen by ELISA method by commercial set	CZ_SOP_D06_09_222 (Bio-Check - Casein Check Manual)	Food, dietary supplements, swabs	A, C, D
3.21[1]	Determination of β-lactoglobulin allergen by ELISA method with a commercial kit	CZ_SOP_D06_09_223 (Bio-Check– β-lactoglobulin Check Manual)	Food, dietary supplements, swabs	A, C, D
3.22[1]	Determination of mustard allergen by ELISA method by commercial set	CZ_SOP_D06_09_224 (Bio-Check– Mustard Check Manual)	Food, dietary supplements, swabs	A, C, D
3.23[1]	Determination of niacin by liquid chromatography method with PDA detection	CZ_SOP_D06_09_225 (ČSN EN 15652)	Fatty food, non-fatty food, feed, dietary suplements	C, D
3.24[1]	Determination of soya protein by ELISA method by commercial set	CZ_SOP_D06_09_226 (Biokits Neogen– Soya assay Biokits Manual)	Meat products	A, C, D
3.25[1]	Determination of parabens contain by liquid chromatography method with PDA detection	CZ_SOP_D06_09_227 (HPLC for Food Analysis, Agilent Technologies 1996-2001)	Cosmetics	A, B, C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
3.26[1]	Determination of allergen peanut protein by ELISA method by commercial set	CZ_SOP_D06_09_228 (Bio-Check– Peanut Check Manual)	Fatty food, non-fatty food, feed, dietary suplements	A, C, D
3.27[1]	Determination of fat-soluble vitamins (D2 and D3) by two-dimensional liquid chromatography method with PDA detection	CZ_SOP_D06_09_229 (ČSN EN 12821; AN-1069 Thermo – Application list)	Fats, fatty food, non-fatty food, dietary supplements, feed, premixes	A, B, C, D
3.28[1]	Determination of Vitamin B12 by ELISA method by commercial set	CZ_SOP_D06_09_230 (R-Biopharm– Ridascreen Fast Vitamin B12 Manual)	Food, feed, dietary supplements	A, C, D
3.29[1]	Determination of fat-soluble vitamins (vitamins A, E) by liquid chromatography method with FLD detection	CZ_SOP_D06_09_231 (ČSN EN 128 23-1, ČSN EN 128 22)	Cosmetics masks	A, B, C, D
3.30[1]	Determination of water-soluble vitamins (vitamin C) by liquid chromatography method with PDA detection	CZ_SOP_D06_09_232 (ČSN EN 14130:2004)	Cosmetics masks	A, B, C, D
3.31[1]	Determination of almond allergen by ELISA method by commercial set	CZ_SOP_D06_09_233 (Bio-Check– Almonde Check Manual)	Food, dietary supplements, swabs	A, C, D
3.32[1]	Determination of hazelnut allergen by ELISA method by commercial set	CZ_SOP_D06_09_234 (Bio-Check– Hazelnut Check Manual)	Food, dietary supplements, swabs	A, C, D
3.33[1]	Determination of egg allergen (egg white proteins) by ELISA method by commercial set	CZ_SOP_D06_09_235 (Bio-Check– Egg Check Manual)	Food, dietary supplements, swabs	A, C, D
3.34[1]	Determination of milk allergen (casein and β-lactoglobulin proteins by ELISA method by commercial set	CZ_SOP_D06_09_236 (Bio-Check– Milk Check Manual)	Food, dietary supplements, swabs	A, C, D
3.35[1]	Determination of sesame allergen by ELISA method by commercial set	CZ_SOP_D06_09_237 (Bio-Check– Sezame Check Manual)	Food, dietary supplements, swabs	A, C, D
3.36[1]	Determination of pantothenic acid by liquid chromatography with PDA detection	CZ_SOP_D06_09_238	Food, drinks, dietary supplements	A, C, D
4	**Water Microbiology**			
4.1[1]	Enumeration of mesophilic bacteria by cultivation	ČSN 75 7841	Surface, ground, waste, pool water	C, D
4.2[1]	Enumeration of psychrophilic bacteria by cultivation	ČSN 75 7842	Surface, ground, waste, pool water	C, D
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, ground, surface, wastewater	C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
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, ground water	C, D
4.5[1]	Enumeration of thermotolerant coliform bacteria and *Escherichia coli* by membrane filtration	ČSN 75 7835	Drinking, surface, ground, pool, wastewater	C, D
4.6[1]	Enumeration of *Escherichia coli* and coliform bacteria by membrane filtration	ČSN EN ISO 9308-1; STN EN ISO 9308-1	Drinking, pool, bottled, raw, treated, ground water	C, D
4.7[1]	Enumeration of *Pseudomonas aeruginosa* by membrane filtration	ČSN EN ISO 16266; STN EN ISO 16266	Drinking, bottled, natural mineral, pool, surface, wastewater	C, D
4.8[1]	Enumeration of coagulase-positive staphylococci (*Staphylococcus Aureus* and other species) by membrane filtration	ČSN EN ISO 6888-1; ČSN EN ISO 8199	Pool, surface, waste, drinking, ground water	D
4.9[1]	Enumeration of *Candida* yeasts by membrane filtration	CZ_SOP_D06_09_258 (Hausler, J.: Microbiological Culture Methods of Quality Inspection, Volume III, 1995)	Pool, surface, wastewater	D
4.10[1]	Enumeration of *Clostridium perfringens* by membrane filtration	CZ_SOP_D06_09_259 (GR 252/2004 Coll., Annex 6; GR č. 354/2006 Coll., Annex.3)	Drinking, bottled, pool, natural mineral, raw, treated, ground water	D
4.11[1]	Detection of *Salmonella* by membrane filtration	ČSN ISO 19250	Drinking, surface, ground, pool, wastewater	D
4.12[1]	Determination of bioseston by microscopy	ČSN 75 7712; STN 757711	Drinking, bottled, raw, treated, ground water	D
4.13[1]	Determination of abioseston by microscopy	ČSN 75 7713; STN 757712	Drinking, bottled, raw, treated, ground water	D
4.14[1]	Detection and enumeration of *Legionella* by cultivation and membrane filtration	ČSN EN ISO 11731	Water, treated water	D
4.15[1]	Detection and enumeration of *Legionella* by cultivation	ČSN EN ISO 11731	Sediments, alluvium, growths	D
4.16[1]	Detection and enumeration of *Legionella* by cultivation	ČSN EN ISO 11731	Swabs	D
4.17[1]	Enumeration of Coliform bacteria by membrane filtration	ČSN 75 7837	Non-disinfected water	D
4.18[1]	Enumeration of spore sulphite reducing anaerobes (Clostridium) by membrane filtration	ČSN EN 26461-2	Water	D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
4.19[1]	Microbiological testing of water for haemodialysis. Enumeration of viable microorganisms	CZ_SOP_D06_09_266 (ČSN EN ISO 23500-3)	Dialysis water	D
4.20[1]	Microbiological testing of dialysis fluid for haemodialysis. Enumeration of viable microorganisms	CZ_SOP_D06_09_267 (ČSN EN ISO 23500-5)	Dialysis fluid	D
4.21[1]	Determination of the concentration of bacterial endotoxins by the LAL test: the turbidimetric kinetic method	CZ_SOP_D06_09_268 (Ph. Eur. chapter 2.6.14)	Dialysis water, dialysis fluid, water purified, water highly purified, water for injection	D
4.22[1]	Determination of the total number of micro-organisms	CZ_SOP_D06_09_269 (Ph. Eur chapter 6.3:0008, 6.3:1927, 6.3:0169)	Water purified, water highly purified, water for injection	D
4.23[1]	Test for specific micro-organisms – Detection of *Pseudomonas Aeruginosa* bacteria	CZ_SOP_D06_09_270 (Ph. Eur chapter 6.3:0008, 6.3:1927, 6.3:0169)	Water purified, water highly purified, water for injection	D
4.24[1]	Determination of *Clostridium perfringens* – membrane filter method	ČSN EN ISO 14189	Drinking, bottled, pool, natural mineral, raw, treated, underground water	D
5	**Microbiology**			D
5.1[1]	Enumeration of microorganisms by cultivation	ČSN EN ISO 4833-1	Food, feed, dietary supplements	D
5.2[1]	Enumeration of coliform bacteria by cultivation	ČSN ISO 4832	Food, feed, dietary supplements	D
5.3[1]	Enumeration of enterococci by cultivation	CZ_SOP_D06_09_302 (ČSN 56 0100:1968)	Food, feed, dietary supplements	D
5.4[1]	Enumeration of *Bacillus cereus* by cultivation	ČSN EN ISO 7932	Food, feed, dietary supplements	D
5.5[1]	Enumeration of coagulase-positive staphylococci (*Staphylococcus aureus* and other species) by cultivation	ČSN EN ISO 6888-1	Food, feed, dietary supplements	D
5.6[1]	Enumeration of *Clostridium perfringens* by cultivation	ČSN EN ISO 7937	Food, feed, dietary supplements	D
5.7[1]	Detection of *Salmonella* by cultivation	ČSN EN ISO 6579-1	Food, feed, dietary supplements	D
5.8[1]	Detection of *Salmonella* by cultivation	CZ_SOP_D06_09_307 except chapter 9.1.2 (ČSN EN ISO 6579; AHEM no. 1/2008)	Sludge, bio waste, compost, substrates, soils	D
5.9[1]	Detection of *Salmonella* by cultivation	CZ_SOP_D06_09_307 except chapter 9.1.1 (ČSN EN ISO 6579; AHEM no. 1/2008)	Biologiccal materials	D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
5.10[1]	Determination of inhibiting substances by Delvotest method	CZ_SOP_D06_09_308 (Manual O.K.Servis BioPro)	Milk	D
5.11[1]	Detection of *Salmonella* by ELISA method - commercial set Solus Salmonella	CZ-SOP-D06_09_309 (Solus Manual)	Food, feed, dietary supplements	D
5.12[1]	Enumeration of yeasts and moulds by cultivation	ČSN ISO 21527–1; ČSN ISO 21527–2	Food, feed, dietary supplements	D
5.13[1]	Detection of *Enterobacteriaceae* by cultivation	ČSN ISO 21528-1	Food, feed, dietary supplements	D
5.14[1]	Enumeration of spore-forming microorganisms by cultivation	CZ_SOP_D06_09_312 (ČSN 56 0100:1968)	Food, feed	D
5.15[1]	Detection of *Vibrio parahaemolyticus* and *Vibrio species* by cultivation	ČSN EN ISO 21872-1	Food, feed	D
5.16[1]	Enumeration of mesophilic lactic acid bacteria by cultivation	ČSN ISO 15214	Food, feed, dietary supplements	D
5.17[1]	Detection of *Shigella spp*. by cultivation	ČSN EN ISO 21567	Food, feed	D
5.18[1]	Detection of *Campylobacter spp*. by cultivation	ČSN EN ISO 10272-1	Food, feed	D
5.19[1]	Detection of presumptive pathogenic *Yersinia enterocolitica* by cultivation	ČSN EN ISO 10273	Food, feed	D
5.20[1]	Enumeration of Enterobacteriaceae by cultivation	ČSN ISO 21528-2	Food, feed, dietary supplements	D
5.21[1]	Enumeration of beta-glucuronidase-positive *Escherichia coli* by cultivation	ČSN ISO 16649-2	Food, feed, dietary supplements	D
5.22[1]	Detection and enumeration of *Listeria monocytogenes* by cultivation	ČSN EN ISO 11290-1; ČSN EN ISO 11290-2	Food, feed, dietary supplements	D
5.23[1]	Enumeration of potentially toxinogenic moulds on special media by cultivation	CZ_SOP_D06_09_321 (AHEM no. 1/2003)	Food, feed	D
5.24[1]	Enumeration of microorganisms in air by aeroscopy and sedimentation method	CZ_SOP_D06_09_322 (ČSN 56 0100:1968)	Internal air environment	D
5.25[1]	Determination of microbial contamination of areas, surface of equipment and packages using swab method	CZ_SOP_D06_09_323 (ČSN 56 0100:1968)	Areas, surface, packaging materials, surface of food	D
5.26[1]	Enumeration of thermotolerant coliform bacteria and *Escherichia coli* by cultivation	CZ_SOP_D06_09_324 (AHEM no. 1/2008; ČSN ISO 16649-2)	Sludge, bio waste, compost, substrates, soils, sand	D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
5.27[1]	Enumeration of enterococci by cultivation	CZ_SOP_D06_09_325 (AHEM no. 1/2008; ČSN EN ISO 7899-2)	Sludge, bio waste, compost, substrates, soils, sand	D
5.28[1]	Detection of *Listeria* by ELISA method - commercial set Solus Listeria	CZ_SOP_D06_09_326 (Solus Manual)	Food, feed, dietary supplements	D
5.29[1]	Determination of the number of coagulase-positive staphylococci (*Staphylococcus aureus* and other species) - method of detection	ČSN EN ISO 6888-3	Food, feed, dietary supplements	D
5.30[1]	Determination of low numbers of *Bacillus cereus* - method of detection	ČSN EN ISO 21871	Food, feed, dietary supplements	D
5.31[1]	Detection of *Cronobacter (Enterobacter) sakazakii* by cultivation	ČSN EN ISO 22964	Milk and milk products	D
5.32[1]	Detection and enumeration of aerobic mesophilic bacteria by cultivation	ČSN EN ISO 21149	Cosmetics	D
5.33[1]	Detection of *Pseudomonas aeruginosa* by cultivation	ČSN EN ISO 22717; ČSN EN ISO 18415	Cosmetics	D
5.34[1]	Detection of *Staphylococcus aureus* by cultivation	ČSN EN ISO 22718; ČSN EN ISO 18415	Cosmetics	D
5.35[1]	Detection of *Candida albicans* by cultivation	ČSN EN ISO 18416; ČSN EN ISO 18415	Cosmetics	D
5.36[1]	Detection of *Escherichia coli* by cultivation	ČSN EN ISO 21150; ČSN EN ISO 18415	Cosmetics	D
5.37[1]	Enumeration of yeast and mould by cultivation	ČSN EN ISO 16212	Cosmetics	D
5.38[1]	Evaluation of antimicrobial protection of cosmetic product, test of conservation effectiveness	CZ_SOP_D06_09_336 (ČSN EN ISO 11930; Ph. Eur., chapter 5.1.3)	Cosmetics	D
5.39[1]	Horizontal method for the detection and enumeration of presumptive Escherichia coli - Technique of most probable number	ČSN ISO 7251, except article 9.2	Food, feed	D
5.40[1]	Microbiological testing of non-sterile products – Determination of the number of microorganisms	CZ_SOP_D06_09_338 (Ph. Eur., chapter 2.6.12)	Pharmaceutical products, intermediates, raw materials. veterinary medicines, iopreparations, dietary supplements	D
5.41[1]	Microbiological testing of non-sterile products – Tests for specific micro-organisms	CZ_SOP_D06_09_339 (Ph. Eur., chapter 2.6.13)	Pharmaceutical products, intermediates, raw materials. veterinary medicines, biopreparations, dietary supplements	D

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
5.42[1]	Determination of the number of presumptive Pseudomonas spp.	ČSN EN ISO 13720	Meat and meat products	D
5.43[1]	Method for determining the number of bacteria of the genus Pseudomonas	ČSN P ISO/TS 11059	Milk and milk products	D
6	**Ecotoxikology**			
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 wastewater, extracts of waste, solutions and extracts of chemical substances and agents	A, C, D
6.2[2]	Determination of the inhibition of the mobility of *Daphnia magna Straus* - Acute toxicity test	CZ_SOP_D06_07_351 (ČSN EN ISO 6341; STN 83 8303)	Surface, ground and wastewater, extracts of waste, solutions and extracts of chemical substances and agents	A, C, D
6.3[2]	Freshwater algal growth inhibition test	CZ_SOP_D06_07_352 (ČSN EN ISO 8692, STN 83 8303)	Surface, ground and wastewater, extracts of waste, solutions and extracts of chemical substances and agents	A, C, D
6.4[2]	Toxicity test on seeds of white mustard (*Sinapis alba*)	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 (*Sinapis alba*)", STN 83 8303)	Surface, ground and wastewater, extracts of waste, solutions and extracts of chemical substances and agents	A, C, D
6.5[2]	Determination of the inhibitory effect of water samples on the light emission of *Vibrio fischeri*	CZ_SOP_D06_07_354 (ČSN EN ISO 11348-2)	Surface, ground and wastewater, extracts, percolation water, saline, and brackish water	A, C, D
6.6-6.7	Reserved			
6.8[2]	*Lactuca sativa* – determination of inhibition of root growth	CZ_SOP_D06_07_357 (ČSN EN ISO 11269-1)	Waste, soils, sediments	A, C, D
6.9	Reserved			
6.10[2]	Determination of the inhibition of the growth, germination, and germination index (phytotoxicity) of Garden Cress (*Lepidium sativum*) - Acute toxicity test	CZ_SOP_D06_07_359 (F. Zucconi et al.: Biological evaluation of compost maturity. BioCycle, 22(2), 1981, pages 27–29.)	Surface, ground and wastewater, extracts of waste and composts, solutions and extracts of chemical substances and agents	A, C, D
6.11[2]	Determination of the inhibition of the growth of Lesser Duckweed (*Lemna minor*) - Acute toxicity test	CZ_SOP_D06_07_1350 (ČSN EN ISO 20079)	Surface, ground and wastewater, extracts of waste and composts, solutions and extracts of chemical substances and agents	A, C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
6.12[2]	Determination of the number of germinating weed seeds in composts	CZ_SOP_D06_07-1351 (Report on the results of the vegetation container test in 2020, UKZUZ 025113/2021)	Composts, waste	C, D
7	**Radiology**			
7.1[2]	Determination of gross alpha activity by measuring of evaporated residue in a mixture with ZnS (Ag) scintillator	ČSN 75 7611, chap. 4	Water, extracts	C, D
7.2[2]	Determination of gross alpha activity by measuring of incinerated evaporated residue by means of proportional detector	ČSN 75 7611, chap. 5	Water, extracts	C, D
7.3[2]	Determination of gross beta activity by measuring of 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, extracts	A, C, D
7.4[2]	Determination of radium 226 after concentration by scintillation emanometry	ČSN 75 7622	Water, extracts	C, D
7.5[2]	Determination of radon 222 by scintillation emanometry after its transportation into scintillation chamber using under-pressure	CZ_SOP_D06_07_363.A (ČSN 75 7624, chap. 5)	Water, extracts	C, D
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, extracts	C, D
7.7[2]	Determination of radon 222 by liquid scintillation counting method (LSC)	CZ_SOP_D06_7_363.C (ČSN 75 7625)	Water	C, D
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, extracts	C, D
7.9[2]	Determination of tritium volume activity by liquid scintillation counting method (LSC)	CZ_SOP_D06_07_365 (ČSN EN ISO 9698)	Water, extracts	C, D

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
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, extracts	C, D
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	C, D
7.12[2]	Non-destructive determination of radionuclides 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, ČSN EN ISO 18589-3; 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, liquid sampes	A, B, C, D
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; ČSN EN ISO 18589-6; ISO 9696)	Solid samples pulverized for grain size below 100 µm, liquid samples with boiling point above 100 ºC	C, D
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; ČSN EN ISO 18589-6)	Solid samples pulverized for grain size below 100 µm, liquid samples with boiling point above 100 ºC	C, D
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 (with low content of suspended solids or filtrated through 0.45 µm filter)	C, D
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, extracts	C, D
7.17[2]	Calculation of Indicative Dose (ID) 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	A, C, D

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
7.18[2]	Determination of strontium 90 by proportional detector after separation	CZ_SOP_D06_07_373 (ASTM D5811)	Water	C, D
7.19[2]	Determination of strontium 90 by proportional detector after separation	CZ_SOP_D06_07_373 (ASTM D5811; ASTM C1507)	Soils, sludge, sediments	C, D
7.20[2]	Determination of strontium 90 by proportional detector after separation	CZ_SOP_D06_07_373 (ASTM D5811; ASTM C1507)	Biological materials, food, feed	C, D
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 ČSN EN ISO 21644 US EPA Method 520/5-84-006)	Water, soils, sludge, sediments, bioindicators, food	A, C, D
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)	Non salted water	C, D
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	C, D
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	C, D
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	C, D
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	C, D
8.4[11]	Determination of base number by potentiometric titration	CZ_SOP_D06_05_403 (ČSN ISO 3771)	Lubricating oils, additives to lubricants	C, D
8.5[11]	Determination of neutralization number by potentiometric titration	CZ_SOP_D06_05_404 (ČSN ISO 6619)	Lubricating oils, additives to lubricants	C, D
8.6[11]	Determination of water content by Coulometric method	CZ_SOP_D06_05_405 (ASTM D6304)	Liquid fuels, lubricating oils	C, D

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
8.7[11]	Determination of flash point and burning point in an opened cup according to Cleveland by flash point analyser	CZ_SOP_D06_05_406 (ASTM D92)	Liquid fuels, lubricating oils	C, D
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	C, D
9	**Food General Chemistry**			
9.1[1]	Determination of organic acids content by capillary isotachophoresis method	CZ_SOP_D06_09_450 (Recman - Laboratory technique – Application sheets No. 35, 39, 70)	Food, feed	A, B, C, D
9.2[1]	Gravimetric determination of fat	CZ_SOP_D06_09_451 (ČSN ISO 1443; ČSN ISO 1444; ČSN 46 7092-7)	Food, feed	C, D
9.3[1]	Gravimetric determination of dry matter and calculation of moisture from measured value	CZ_SOP_D06_09_452 (Journal of AOAC International vol 88, No1,2005; Journal of AOAC International vol 86, No6, 2003)	Food, feed, dietary supplements	C, D
9.4[1]	Determination of nitrate and nitrite by capillary isotachophoresis	CZ_SOP_D06_09_453 (ITP: Application sheet No.33 VILLA LABECO s.r.o.)	Food, feed	C, D
9.5[1]	Determination of phosphates by capillary isotachophoresis	CZ_SOP_D06_09_454 (ITP: Application sheet No.35 VILLA LABECO s.r.o.)	Food, feed	C, D
9.6[1]	Gravimetric determination of water extract content	ČSN 58 0113, Article 38	Coffee	C, D
9.7[1]	Determination of acid value and acidity by titration	CZ_SOP_D06_09_456 (ČSN EN ISO 660)	Animal and vegetable fats and oils	C, D
9.8[1]	Determination of polyols by ion chromatographic method with EC detection	CZ_SOP_D06_09_457 (ČSN EN 15086; DIONEX Technical Note 20)	Food, feed, dietary supplements	A, B, C, D
9.9[1]	Gravimetric determination of ash	CZ_SOP_D06_09_458 (ČSN 56 0116-4; ČSN ISO 936; ČSN ISO 2171)	Food, feed	C, D

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
9.10[1]	Determination of crude fibre by oxidation hydrolysis method	CZ_SOP_D06_09_459 (ČSN ISO 5498; ČSN EN ISO 6865)	Feed	C, D
9.11[1]	Determination of pH by potentiometry	CZ_SOP_D06_09_460 (ČSN ISO 2917; ČSN ISO 1842)	Food, feed	C, D
9.12[1]	Determination of sand in biological material by gravimetry	CZ_SOP_D06_09_461 (ČSN 56 0246-12)	Food, feed	C, D
9.13[1]	Determination of relative density of liquids by pycnometer	CZ_SOP_D06_09_462 (ČSN EN 1131)	Low viscosity liquids	C, D
9.14[1]	Titrimetric determination of acidity	CZ_SOP_D06_09_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	C, D
9.15[1]	Determination of moisture content – distillation method	CZ_SOP_D06_09_464 (ČSN ISO 939)	Spices, mixed condiments	C, D
9.16[1]	Determination of dietary fibre enzymatically by commercial set Megazym	CZ_SOP_D06_09_465 (AOAC Method 985.29)	Food, dietary supplements	C, D
9.17[1]	Determination of starch content by polarimetry	CZ_SOP_D06_09_466 (ČSN 46 7092-21)	Cereals, baking products, cereal feeds	C, D
9.18[1]	Determination of chloride by coulometric titration	CZ_SOP_D06_09_467 (O.K. SERVIS company Chloride Analyser manual)	Food, feed, dietary supplements	C, D
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_09_468 (ČSN 56 0146)	Food, feed, dietary supplements	C, D
9.20[1]	Determination of alkalinity of water-soluble ash by titration	ČSN ISO 1578	Tea	C, D
9.21[1]	Gravimetric determination of total ash	ČSN ISO 1575	Tea	C, D
9.22[1]	Determination of ash soluble and insoluble in water gravimetrically	ČSN ISO 1576	Tea	C, D
9.23[1]	Gravimetric determination of acid-insoluble ash	ČSN ISO 1577	Tea	C, D
9.24[1]	Gravimetric determination of water extract	ČSN ISO 9768	Tea	C, D
9.25[1]	Gravimetric determination of loos in mass at 103°C	ČSN ISO 1573	Tea	C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
9.26[1]	Determination of total nitrogen by Dumas method by analyser and protein calculation from measured values	CZ_SOP_D06_09_475 (ČSN EN ISO 14891; ČSN EN ISO 16634-1; ČSN EN ISO 16634-2)	Food, feed, dietary supplements	C, D
9.27[1]	Volumetric determination of volatile oils (essential oils) by distillation with steam	ČSN EN ISO 6571	Spices, spicing agents, herbs	C, D
9.28[1]	Determining the weight, volume and number of pieces of retail packaging of food and feed products by gravimetry	CZ_SOP_D06_09_477 (ČSN 560305; ČSN 570146-3; ČSN 580170-3)	Food, feed, dietary supplements	C, D
9.29[1]	Determination of the meat content in meat products and products containing meat by calculation from measured values	CZ_SOP_D06_09_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	C, D
9.30[1]	Determination of carbohydrates and energy values by calculation from measured values	CZ_SOP_D06_09_479 (Regulation (EU) 1169/2011, Decree 330/2009 Coll.)	Food, raw materials for production of food, dietary supplements	C, D
9.31[1]	Determination of non-protein contents substances by calculation	ČSN 46 7092-24	Feed	C, D
9.32[1]	Determination of 4-hydroxyproline by spectrophotometry and calculation of collagen from measured values	CZ_SOP_D06_09_481 (ISO 3496)	Meat products	C, D
9.33[1]	Determination of fat content by NMR method	CZ_SOP_D06_09_482 (Journal of AOAC International vol 88, No.1, 2005; Journal of AOAC International vol 86, No. 6, 2003)	Selected food and raw materials for production of food, feed, dietary supplements	C, D
9.34[1]	Volumetric determination of peroxide value	CZ_SOP_D06_09_483 (ČSN EN ISO 3960)	Fat, vegetable oils	C, D
9.35[1]	Determination of water activity by capacitive sensors method	ČSN ISO 18787	Food, raw materials for production of food, dietary supplements	C, D
9.36[1]	Determination of pure protein by the Dumas method and pure muscle protein by calculation from measured values	CZ_SOP_D06_09_485 (Decree 69/2016 Sb.)	Meat, meat roducts	C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
9.37[1]	Identification of synthetic dyes by thin-layer chromatography method	CZ_SOP_D06_09_486 (Davídek J Laboratory manual of Food Analysis, 1981)	Food	A, B, C, D
9.38[1]	Determination of piperine content by spectrophotometry	ČSN ISO 5564	Black pepper and white pepper, whole or ground	C, D
9.39[1]	Determination of starch in meat products by titration	CZ_SOP_D06_09_488 (BS 4401 Part 12:1979 Determination of Starch Content of Meat Products)	Meat products	C, D
9.40[1]	Determination of total sulphur dioxide after distillation by titration	CZ_SOP_D06_09_489 (Prof. Ing. J. Davídek, DrSc. et al.: Laboratory Manual analysis of food, SNTL 1981)	Food and raw materials for food production, dietary supplements	C, D
9.41[1]	Determination of total sulphur dioxide after distillation by ITP	CZ_SOP_D06_09_489 (Prof. Ing. J. Davídek, DrSc. a kol.: Laboratory Manual analysis of food, SNTL 1981, Application sheet no. 33 Villa Labeco)	Food and raw materials for food production, dietary supplements	C, D
9.42[10]	Sensory testing – description test	CZ_SOP_D06_09_490 (ČSN ISO 6658; ČSN EN ISO 8589; ČSN EN ISO 13299; ČSN ISO 13300-1; ČSN ISO 13300-2)	Food, cosmetics, packaging materials for food, article of common use	C, D
9.43[10]	Sensory testing – comparison to standard	CZ_SOP_D06_09_491 (ČSN ISO 6658; ČSN ISO EN 8589; ČSN EN ISO 13299; ČSN ISO 13300-1; ČSN ISO 13300-2)	Food, cosmetics, packaging materials for food, article of common use	C, D
9.44[10]	Assessment of characteristics of food	CZ_SOP_D06_09_492 (ČSN EN ISO 8589; ČSN EN ISO 13299; ČSN ISO 13300-1 ČSN ISO 13300-2)	Food	C, D
9.45[1]	Determination of density-by-density meter	CZ_SOP_D06_09_493 (ČSN 57 0530)	Milk and milk products	C, D

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
9.46[1]	Determination of sugars by ion chromatography method with EC detection	CZ_SOP_D06_09_494 (ČSN EN 12630)	Food, feed, dietary supplements	A, B, C, D
9.47[1]	Determination of ethanol after distillation by gravimetry	CZ_SOP_D06_09_495 (ČSN 56 0186-5; ČSN 56 0210; ČSN 56 0216)	Alcoholic beverages	C, D
9.48[1]	Determination of soluble solids and refractive index by refractometry	CZ_SOP_D06_09_496 (ČSN 56 0240-3, ISO 2173)	Food	C, D
9.49[1]	Determination of nitrate and nitrite content by ion chromatography with UV detection	CZ_SOP_D06_09_497 (Dionex Application list 112, Thermo Scientific application list 73450)	Food, feed, by-products of sugar production	C, D
9.50[1]	Determination of total sulfur dioxide after distillation by ion chromatography with conductivity detection	CZ_SOP_D06_09_498 (Specification sheet of ion exchange columns AS11 and AS11-HC, prof. Ing. J. Davídek, DrSc. et al.: Laboratory Manual of Food Analysis)	Food, feet, dietary supplement, premixes	C, D

[1] asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises; the numerical index at the test ordinal number identifies the location carrying out the test (the identification of the locations is given on the first page of this document)

[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] degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
2.7, 2.8, 2.76, 2.77	**Volatile organic compouds** – 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-

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
	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 isobuthyl 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
2.9, 2.10	**Volatile organics compounds** – 1.1-Dichloroethene, 1.2-Dichloroethane, 1.4-Dioxane, Benzene, Dichloromethane, Ethylbenzene, fraction of hydrocarbons C5(C6)-C12, cis-1.2-Dichloroethene, Chloroform, m-Xylene, Naphthalene, o-Xylene, p-Xylene, Styrene, Tetrachloroethene, Tetrachloromethane, Toluene, trans-1.2-Dichloroethene, Trichloroethene, Vinyl chloride, Sums calculation according to CZ_SOP_D06_03_J02
2.11, 2.12	**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, 2,3,5-trimethylnaphthalene, fluorine, phenanthrene, anthracene, 2-methylanthracene, 1- methylanthracene, 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-dichlorobenzen, 1,3- dichlorobenzen, 1,2,4-trichlorobenzen, 1,3,5-trichlorobenzen, 1,2,3,4-tetrachlorobenzen, 1,2,4,5-tetrachlorobenzen, 1,2,3,5-tetrachlorobenzen, pentachlorobenzene, hexachlorobenzene, PCB 28, PCB 52, PCB 101, PCB 118, PCB 153, PCB 138, PCB 180, sums calculation according to CZ_SOP_D06_03_J0
2.13, 2.14	**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- 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, 2,3-dimethylphenol, 2,4-dimethylphenol, 2,5-dimethylphenol, 2,6- dimethylphenol, 3,5-dimethylphenol, 3,4-dimethylphenol, 1-naftole, 2-naftole, sums calculation according to CZ_SOP_D06_03_J02
2.15	**Cannabinoids** -Cannabidiol (CBD), Cannabichromene (CBC), Delta-9-tetrahydrocannabinol (Delta-9-THC), Delta-9- tetrahydrocannabinolic acid – A (Delta-9-THCA-A), Delta-8- tetrahydrocannabinol (Delta -8-THC), Cannabigerol (CBG), Cannabinol (CBN), Cannabidiolic acid (CBDA), Delta-9- tetrahydrocannabinolic acid – (A Delta-9-THCA-A), Cannabigerolic acid (CBGA), Cannabidivarin (CBDV) , delta-9-tetrahydrocannabivarin (Delta-9-THCV), Cannabidivarinic acid (CBDVA), Cannabichromenic acid (CBCA), tetrahydrocannabivarinic acid (THCVA)
2.16	**Phtalates** – dimethylphthalate, diethylphthalate, di-n-propylphthalate, di-n-buthylphthalate, diisobuthylphthalate, dipenthylphthalate, di-n-octylphthalate, bis-(2-ethylhexyl)-phthalate (DEHP), buthylbenzylphthalate, dicyclohexyl phthalate, di-iso-nonylphthalate, di-iso-decylphthalate, sums calculation according to CZ_SOP_D06_03_J02

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
1.24	**Elements -** As, Cd, Co, Cr, Ni, Pb, Sb
2.20, 2.21	**Semi-volatile organic compounds** – acenaphthene, 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, fluorine, 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, dichlobenile, □-HCH, octachlorstyrene, di- n-buthylphthalate, bis(2-ethylhexyl) phthalate (DEHP), endosulfan-sulphate, mirex, cis-chlordane, trans-chlordane, oxychlordane, cis-nonachlor, trans- nonachlor, PBB 153, pentachlortoluene, benzylalkohol, acetofenon, 6-kaprolaktam, izoforon, anilin, difenylamin, 4-chloranilin, benzidin, 4-bromfenylfenyl ether, karbazol, bifenyl, 2-chlornaftalen, 1-chlornaftalen, 2-methylnaftalen, 4-chlorfenylfenyl ether, dibenzofuran, bis(2-chlorethyl)ether, bis(2- chlorethoxy)methan, bis(2-chlorisopropyl)ether (všechny izomery), fenol, 2-methylfenol, 3-methylfenol, 3- & 4-methylfenol, 4-methylfenol, 2,4- dimethylfenol, 4-chlor-3-methylfenol, hexachlorcyklopentadien, nitrobenzen, 2-nitrofenol, 4-nitrofenol, 2,4-dinitrotoluen, 2,6-dinitrotoluen, 2,4-dinitrofenol, 4,6-dinitro-2-methylfenol, 2-nitroanilin, 3-nitroanilin, 42-nitroanilin, N-nitrosodimethylamin, N-nitrosodi-n-propylamin, dinoseb, dimethylflatát, diethylftalát, butylbenzylftalát, bis(2-ethylhexyl)ftalát, di-n-oktylftalát, sums calculation according to CZ_SOP_D06_03_J02
2.22, 2.23, 2.24, 2.26	**Polycylic aromatic hydrocarbons** – naphthalene, acenaphtylene, acenaphtene, 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
2.28, 2.30	**Polychlorinated biphenyls** - PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180, sums calculation according to CZ_SOP_D06_03_J02
2.31, 2.32	**Organochlorine pesticides and other halogenated substances** – 1,2,3,4-tetrachlorbenzen, 1,2,3,5-tetrachlorbenzen, 1,2,4,5-tetrachlorbenzen, 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)ftalát (DEHP), cis-heptachlorperoxid, cis-chlordan, cis-nonachlor, dieldrin, dichlobenil, dicofol, endosulfan-sulfát, endrin, endrin aldehyde, endrin ketone, heptachlor, hexabrombifenyl (PBB 153), hexachlorbenzen, hexachlorbutadien, hexachlorethan, isodrin, methoxychlor, mirex, oktachlorstyren, oxychlordan, pentachloraniline, pentachlorbenzen, quintozene,telodrin (isobenzan), tetradiphone toxafen, trans-heptachlorperoxid, 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
2.35, 2.36, 2.42, 2.43, 2.44, 2.45, 2.46, 2.47, 2.48, 2.49, 2.50	**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
2.37, 2.38, 2.39, 2.40, 2.41, 2.56	**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

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
2.51, 2.52, 2.53, 2.54	**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, okta-BDE-203, deka-BDE-209, PBB3, PBB15, PBB18, PBB52, PBB101, PBB153, PBB180, PBB194, PBB206, PBB209 and sums calculation according to CZ_SOP_D06_06_J03
2.55	**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
2.64	**Acid herbicides and drug rezidues –** 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
3.1	**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
2.5	**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-Dichlorpropene, 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, Tetrahydrofurane, Tetrachloroethene, Tetrachloromethane, Toluene, trans- 1.2- Dichloroethene, trans-1.3-Dichloropropylene, Trichloroethene, Trichlorofluoromethane, Vinyl Acetate, Vinyl Chloride, Sums calculation according to CZ_SOP_D06_03_J02
2.6	**Aldehydes, ketones -** formaldehyde, acetaldehyde, propionaldehyde, crotonaldehyde, methacrolein, butyraldehyde, benzaldehyde, valeraldehyde, m-tolualdehyde, n-hexanealdehyde
2.80	**Anilin a aniline derivates** – p-chloraniline
3.27	**Vitamín D** – vitamin D2 a vitamin D3
3.6	**Substitute sweeteners** – aspartame, acesulfame-K, saccharine, neohesperidine DC
3.8	**Preservatives** – sorbic acid, benzoic acid

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
7.12	**Radionuklids** – Radionuclides emitting gamma rays in the energy interval 46,5 – 1836 keV – Natural Radionuklides ^{40}K, ^{210}Pb, ^{222}Rn(^{226}Ra), ^{223}Ra(^{227}Ac), ^{224}Ra, ^{226}Ra, ^{228}Ra(^{232}Th), ^{227}Th(^{227}Ac), ^{228}Th, ^{230}Th, ^{234}Th(^{238}U), ^{231}Pa, ^{235}U; Artifical Radionuklides ^{7}Be, ^{54}Mn, ^{57}Co, ^{60}Co, ^{65}Zn, ^{88}Y, ^{99m}Tc, ^{109}Cd, ^{131}I, ^{133}Ba, ^{134}Cs, ^{137}Cs, ^{152}Eu, ^{192}Ir, ^{241}Am
2.25	**Glycols** - 1,2-propandiol, monopropylenglycol (as C), ethylenglycol, ethylenglycol (as C), 1,3-butandiol, diethylenglycol, diethylenglycol (as C), triethylenglycol, triethylenglycol (as C)
2.62	**Semi volatile organic compounds** – naphthalene, acenafthylene, 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
2.19	**Alkylfenols, alkylphenol ethoxylates** - 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
2.63	**Acid herbicides, drug residues and other pollutants –** 2,3,6-trichlorbenzoic 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
2.65	**Pesticides, pesticide metabolites, drug residues and other polutants –** 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-triazin, 2-amino-N- (isopropyl)benzamide, 2-chloro-2,6-diethylacetanilid, 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, acetamiprid, acetochlor, acetochlor ESA, acetochlor OA, acibenzolar-S-methyl, aclonifen, acrinathrin, acrylamid, alachlor, alachlor ESA, alachlor OA, aldicarb, aldicarb sulfone, aldicarb sulfoxide, aldoxycarb, allethrin, anastrozole ametrine, amidithion, amidosulfuron, amitraz, anilazin, asulam, atraton, atrazin, atrazin-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, bendiokarb, benfuracarb, bentazone, bentazone methyl, beta-cyfluthrin, bezafibrat, bifenox, bifenthrin, bitertanol, boskalid, brodifacoum, bromacil, bromadiolon, bromofos-ethyl, bromoxynil, buprofezin, buprenorfin, butorfanol, cadusafos, ciprofloxacin, citalopram, clofentezin, coumafos, cyanazine, cyfenothrin, cyflufenamid, cyclamate, cyclobenzaprin, cyclofosfamid, cymoxanil, cypermethrin, cyprazin, cyprodinil, cyproconazole, cyromazin, DEET, deltamethrin, demedifam, desmetryn, diazepam, diazinon, diethofencarb, difenacoum, difenoconazole, difenoxuron, diflubenzuron, diflufenican, dichlofenthion, dichlormid, 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,

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
	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, floxetin, 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, furathiokarb, furosemid, gabapentin, gemfibrozil, guanylurea, haloxyfop, haloxyfop-2-ethoxyethyl, haloxyfop-p-methyl, hexaconazole, hexazinon, hexythiazox, hydrochlorothiazid, chloramfenicol, chlorantraniliprol, chlorbromuron, chlorfenvinphos, chloridazon, chloridazon-desphenyl, chloridazon-methyl desphenyl, chlormequate, chlorotoluron, chloroxuron, chlorpropham, chlorpyriphos, chlorpyriphos-methyl, chlorosulfuron, chlorotoluron-desmethyl, ifosfamide, imazalil, imazamethabenz-methyl, imazamox, 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, clofibric acid, lambda-cyhalothrin, lenacil, lincomycine, linuron, loperamid, malaoxon, malathion, mandipropamid, MCPA, MCPP, mefenpyr-diethyl, mefentrifluconazole, mevarbam, mepiquate metsulfuron-methyl, mesosulfuron- methyl, mesotrion, mestranol, metalaxyl (isomery), metamitron, metazachlor, metazachlor ESA, metazachlor metabolite 479M09, metazachlor metabolit 479M11, metazachlor OA, metformin, methabenzthiazuron, methaldehyd, methamidophos, methidathion, methiocarb, methiocarb sulfon, methiocarb sulfoxide, methomyl, methomyl oxim, methoprolol, methoprothrin methoxyfenozid, metconazole, metobromuron, metolachlor, metolachlor (isomers), metolachlor (S), metolachlor CGA 368208, metolachlor ESA, metolachlor NOA 413173, metolachlor OA, metoxuron, metrafenone, metribuzin, metribuzin-desamino, metribuzin-desamino diketo, metribuzin-diketo, metrodinazol, molinate, monocrotophos, monolinuron, monuron, myklobutanil, mycophenolate 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, propanolol, propaquizafop, propazine, propazine-2-hydroxy, propiconazole, propoxur, propoxycarbazone-sodium, propylene thiourea, propyzamide, prosulfocarb, prothioconazole, pyraclostrobin, pyribenzoxim, pyridaben, pyrifenox, pyrimethanil, pyriproxyfen, quinalphos, quinclorac, quinmerac, quinoxyfen, quizalofop, quizalofop-p-ethyl, rimsulfuron, saccharine, salbutamol, sebuthylazine, secbumeton, sedaxan, sertralin, sethoxydim, siduron, simazine, simazine-2-hydroxy, simazine-desethyl, simetryn, sotalol, spinosad (spinosyn A + spinosyn D), spiroxamin, sulfamethazine, sulfamethoxazol, sulfosulfuron, tau-fluvalinate, tebufenpyrad, tebuconazole, tebuthiuron, teflubenzuron, tefluthrin, terbumeton, terbumeton-desethyl, terbutalin, terbuthylazine, terbuthylazine-desethyl, terbuthylazine-desethyl-2-hydroxy, terbuthylazine-hydroxy, terbutryn, tetraconazole tetramethrin, thebain, thiabendazol, thiacloprid, thiametoxam, thiazafluron, thidiazuron, thifensulfuron-methyl, thiobencarb, thiofanate-methyl, tolcophos-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

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
2.68	**Pesticides by MS detection** - 2,6-dichloroaniline**,** azinphos-methyl, bromocyclen, bromophos-ethyl, butralin, captan, carbophenothion, chlordecon, chlorfenvinphos, chlorpyrifos, chlorpyrifos-methyl, cypermetrin (isomers), demeton-S-methyl, diazinon, dichlorvos, dimethoát, dimethypin, ethion, fenitrothion, fenthion, malathion, parathion-ethyl, parathion-methyl, phorat, phosmet, pirimfos-ethyl, prothiofos, teflutrin, výpočet sum dle CZ_SOP_D06_03_J02
2.69	**Pesticides and their metabolites by MS detection –** amitrole, AMPA, glufosinate, glufosinate ammonium, glyphosate, sums calculation according to CZ_SOP_D06_03_J02
2.71	**Complexing substances** - EDTA, PDTA a NTA
2.78, 2.79	**Halogen compounds** - chloroalkanes C10-C13, C14-C17
3.1	**SAFA, MUFA, PUFA, TFA, Omega 3, Omega 6** – **SAFA** - butyric (C4:0), caproic (C6:0), caprylic (C8:0), capric (C10:0), undecaneoic (C11:0), lauric (C12:0), tridecaneoic (C13:0), miristic (C14:0), pentadecaneoic (C15:0), palmitic (C16:0), heptadecaneoic (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-eicoseinic (C20:1), erudic (C22:1n9), nervonic (C24:1), **PUFA** - linolelaidic (C18:2n6c), linoleic (C18:3n6), y-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-eikosapentaenoic (C20:5n3), cis-4,7,10,13,16,19-docosahexaenoic (C22:6n3), **TFA** - elaidic (C18:1n9t), linolelaidic (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** - lineleic (C18:2n6c), y-linoleic (C18:3n6), cis-8,11,14-eikosatrienoic (C20:3n6), arachidonic (C20:4n6), cis-11,14,eikosadienoic (C20:2), cis-13,16-dokosadienoic (C22:2)
2.72	**Derivates of polycyclic aromatic hydrocarbons –** acridine, 9,10-anthracenequinone, benz[a]anthracene-7,12-dione, benzo[h]quinoline, 1,5- dinitronaphthalene, 9H-fluoren-9-one, 2-fluorenecarboxaldehyde, 1-naphthalenecarboxaldehyde, 5,12-naphthacenedione, 1-nitronaphthalene, 5- nitroacenaphthene, 9-nitroanthracene, nitropyrene, nitrofluoranthene, 6-nitrobenzo(a)pyrene, 2-nitrofluorene, 9.10-phenanthrenequinone, phenanthridine
2.73, 2.74	**Organic acids –** formic acid, acetic acid, caproic acid, butyric acid, isobutyric acid, lactic acid, propionic acid, valeric acid, isovaleric acid
2.75	**Gases –** methane, ethane, ethylkene, acetylene
2.27	**Polychlorinated biphenyls** – PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180, PCB194, sums calculation according to CZ_SOP_D06_03_J02
2.18, 2.19	**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
1.7	**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
1.8	**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
1.9	**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
1.10	**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

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
1.11	**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
2.70	**Pesticides and their metabolites by MS detection –** AMPA, glyphosate
1.1, 1.2, 1.3, 1.4, 1.5, 1.6	**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
1.95	**CO_2 forms -** carbonates, bicarbonates, free CO2, total CO2, aggressive CO2
1.15, 1.16	**Elements** - Ag, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Na, Ni, Pb a Zn
1.17, 1.18	**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 a Zr
1.1, 1.2, 1.7	**Calculation forms of elemtents** – sum of Na + K, ionic form Cr and Fe (Cr3+, Fe3+), compounds Na2O, P2O5, SiO3 a SiO2, according to CZ_SOP_D06_02_J06
1.2	**Stoichiometric calculation -** ion form Cr3+, compound PO43-, according to CZ_SOP_D06_02_J06
1.3, 1.4, 1.9, 1.10	**Stoichiometric calculation –** compound NaCl according to CZ_SOP_D06_02_J06
2.57, 2.58, 2.59, 2.60, 2.61	**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, dibenzo-(a,l)-pyrene, dibenzo-(a,e)-pyrene, dibenzo-(a,i)-pyrene dibenzo-(a,h)-pyrene and sums calculation according to CZ_SOP_D06_06_J03
2.81	**Chlorinated phenols** – 2-amino-4-chlorophenol
2.82	**Drug residues** – anastrozole, atenolol, azathioprine, beclomethasone dipropionate, capecitabine, cyclosporin, cyproteron acetate, diazepam, fluticason 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
9.37	**Synthetic dyes** – **E102** (Tartrazine), **E104** (Quinoline yellow), **E110** (Yelow SY), **E122** (Azorubin), **E123** (Amaranth), **E124** (Ponceau 4R), **E127** (Erythrosin), **E128** (Red 2G), **E129** (Allura Red AC), **E131** (Patent Blue V), **E132** (Indigotine), **E133** (Briliant Blue), **E142** (Green S), **E151** (Black BN)
2.84	**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), Perfluorooktadecanoic acid (PFOcDA), Perfluoropropane sulfonic acid (PFPrS), 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), Perfluoroundecane sulfonic acid (PFUnDS), Perfluorododecane sulfonic acid (PFDoDS), Perfluorotridecane sulfonic acid (PFTrDS), 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

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
	(PFMBA), perfluoro-3-methoxypropanoic acid (PFMPA), 11-chloroeicosafluoro-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), 2,3,3,3-tetrafluoro-2-heptafluoropropoxy) propionic acid (HFPO-DA), 2H,2H,3H,3H-perfluorodecanoic acid (7:3 FTCA), 2H,2H,3H,3H-perfluorodecanoic acid (FHpPA), 2H,2H-perfluorodecanoic acid (8:2 FTCA), 2H,2H-perfluorodecanoic acid (H2PFDA), 2H,2H,3H,3H-perfluorohexanoic acid (3:3 FTCA), 2H,2H,3H,3H -perfluorooctanoic acid (5:3 FTCA), 2H,2H,3H,3H-perfluoroundecanoic acid (H4PFUnDA), 2H,2H-perfluorooctanoic acid (6:2 FTCA), 2H-perfluoro-2-octenoic acid (6:2 FTUCA), 2H-perfluoro-2-decenoic acid (8:2 FTUCA), perfluoro(2-ethoxyethane)sulfonic acid (PFEESA), perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)
2.86	**Volatile organic compounds** – Benzene, Toluene, Ethylbenzene, m-Xylene, p-Xylene, Styrene, o-Xylene, Methanol, Ethanol, Acetone, Benzene, Ethyl Acetate, Isobutanol, n-Butanol, 2-Butanol, Isobutyl Acetate, Butyl Acetate, tert-Butyl Acetate
1.12	**Elements -** Ag, Al, As, Au, B, Ba, Be, Bi, Br (loužitelný vodou) Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hg, Ho, I (loužitelný vodou) 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
2.89	**Drug residues** – 17-alpha-ethinylestradiol, 17-beta-estradiol, 2-hydroxycarbamazepin, 3-hydroxycarbamazepin, 4-hyroxydiclophenac, 6-monoacetylmorphine (6-MAM), alprazolam, amphetamine, amoxicillin, anastrozol, atenolol, atorvastatin, azathioprin, azithromycin, benzoylecgonin, 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, flutamide, fluticasone propionate, furosemid, galantamin, gemfibrozil, glimepirid, heroin, hydrochlorothiazid, hydromorfon, chloramphenicol, chlordiazepoxid, 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, colchicinr, clofibric 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-metylendioxymethamphetamine), 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, sertralin, sotalol, sulfadiazin, sulfachlorpyridazine, sulfamerazine, sulfamethazine, sulfamethizol, sulfamethoxazol, sulfamethoxypyridazine, 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 acetonid, trimethoprim, valsartan, vancomycin, venlafaxine, warfarin, zolpidem
2.90	**Organic Acids** – acetic acid, propionic acid, isobutyric acid, butyric acid, isovaleric acid, valeric acid, isocaproic acid, caproic acid, heptanoic acid
9.29	**Meat content calculation –** calculated from the results of the determination of ash according to CZ_SOP_D06_09_458, protein according to CZ_SOP_D06_09_475, moisture according to CZ_SOP_D06_09_452, fat according to CZ_SOP_D06_09_482, hydroxyproline according to CZ_SOP_D06_09_481

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
9.30	**Determinaton of carbohydrates and energy value –** calculated from the results of the determination of ash according to CZ_SOP_D06_09_458, protein according to CZ_SOP_D06_09_475, moisture according to CZ_SOP_D06_09_452, fat according to CZ_SOP_D06_09_482, dietary fibre according to CZ_SOP_D06_09_465
9.31	**Determination of non-protein content substances –** calculated from the results of the determination of moisture according to CZ_SOP_D06_09_452, total nitrogen according to CZ_SOP_D06_09_475, fat according to CZ_SOP_D06_09_482, ash according to CZ_SOP_D06_09_458, crude fibre according to CZ_SOP_D06_09_465
7.17	**The 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)
2.7, 2.8, 2.76, 2.77	Volatile organic substances - 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, aliphatics >C5-C8, aliphatics >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 , carbon tetrachloride, toluene, total VOC, trans-1,2-dichloroethene, trans-1,3-dichloropropene, trichloroethene, trichlorofluoromethane, vinyl chloride, aliphatics >C5-C6, aliphatics >C6-C8, aromatics C6-C7, aromatics >C7 -C8, aromatics >C8-C10, aromatics >C5-C9, aromatics >C9-C10, fraction >C5-C10, calculation of sums according to CZ_SOP_D06_03_J02
9.1	**Organic acids –** propionic acid, citric acid, lactic acid, acetic acid, tartaric acid, malic acid
9.46	**Sugars** – glucose, fructose, lactose, maltose, sucrose, galactose, and the sum of sugars by calculation
2.66	**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, alachor 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, dichlormid, dichlorvos, dimefuron, dimethachlor, dimethachlor ESA, dimethachlor OA, dimethenamid, dimethoate, dimethomorph, dimethylaminosulfanilide, dimoxystrobin, diuron, diuron desmethyl (DCPMU), epoxiconazole, EPTC, ethion, ethofumesate, ethoprophos, etoxazole, famoxadone, famphur, fenamiphos, fenarimol, fenhexamid, fenothiocarb, fenoxaprop, fenoxycarb, fenpropidin, fenpropimorph, fensulfothion,

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
	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, malaoxon, malathion, mandipropamid, mecarbam, mefenpyr-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, picoxystrobin, 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, quinoxyfen, 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, thiazafluron, thidiazuron, 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
2.66	**Pesticides, their metabolites and drug rezidues – matrices building materials, materials for building -** 1-(3.4-Dichlorophenyl) urea (DCPU), 2-Chloro- 2.6-diethylacetanilide, 6-chloronicotinic acid, acetamiprid, acetochlor, aclonifen, 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, bitertanol, 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, diflubenzuron, diflufenican, dichlofenthion, dichlormid, 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, fensulfothion, 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, picoxystrobin, pirimicarb, pirimiphos-ethyl, pirimiphos-methyl,

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
	prodiamine, prochloraz, prometon, prometryn, propachlor, propamocarb, propanil, propaquizafop, propazine, propham, propiconazole, propyzamide, prosulfocarb, pyraclostrobin, pyrimethanil, pyriproxifen, quinalphos, quinclorac, quinmerac, quinoxyfen, 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, thiazafluron, thidiazuron, 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
2.67	**Pesticides, their metabolites and drug rezidues –** 6-chloronicotinic acid, acetamiprid, 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, imidacloprid olefin, imidacloprid urea, indoxacarb, isoproturon, isoproturon-desmethyl, isoproturon-monodesmethyl, kresoxim-methyl, malaoxon, 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
2.85	**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), Perfluorodecanoic acid (PFDoDA), perfluorotridecanoic acid (PFTrDA), perflurotetradecanoic acid (PFTeDA), perfluorohexadecanoic acid (PFHxDA), perfluorooctadecanoic acid (PFOcDA), perfluoropropane sulfonic acid (PFPrS), perfluorobutanesulfonic acid (PFBS), perfluoropentanesulfonic acid (PFPeS), perfluorohexanesulfonic acid (PFHxS), Perfluoroheptanesulfonic acid (PFHpS), Perfluorooctanesulfonic acid (PFOS), Perfluorononanesulfonic acid (PFNS), Perfluorodecanesulfonic acid (PFDS), Perfluoroundecanesulfonic acid (PFUnDS), Perfluorododecanesulfonic acid (PFDoDS), Perfluorotridecanesulfonic acid (PFTrDS), 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 perfluorooctanesulfonamide (MeFOSA), N-ethyl perfluorooctanesulfonamide (EtFOSA), perfluorooctanesulfonamidoacetic 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 perfluorooctanesulfonamidoethanol (MeFOSE), N-ethyl perfluorooctanesulfonamidoethanol (EtFOSE), hexabromocyclododecane (HBCD), tertabromobisphenol-A (TBBP-A), perfluoro-4-methoxybutanoic acid (PFMBA), perfluoro-3-methoxypropanoic acid (PFMPA), 11-chloroeicosafluoro-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, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid (HFPO-DA), 2H,2H,3H,3H-perfluorodecanoic acid (7:3 FTCA), 2H,2H,3H,3H-perfluorodecanoic acid (FHpPA), 2H,2H-perfluorodecanoic acid (8:2 FTCA), 2H,2H-perfluorodecanoic acid (H2PFDA), 2H,2H,3H,3H-perfluorohexanoic acid (3:3 FTCA), 2H,2H,3H,3H-perfluorooctanoic acid (5:3 FTCA), 2H,2H ,3H,3H-perfluoroundecanoic acid (H4PFUnDA), 2H,2H-perfluorooctanoic acid (6:2 FTCA), 2H-perfluoro-2-octenoic acid (6:2 FTUCA), 2H-perfluoro-2-decenoic acid (8: 2 FTUCA), perfluoro(2-ethoxyethane)sulfonic acid (PFEESA), perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
2.91	**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)-anthracen@dibenzo-(a,h)-anthracen, benzo-(g,h,i)- perylene, indeno-(1,2,3,c,d)-pyrene, coronene, trifenylen@chrysen, calculation of sums according to CZ_SOP_D06_03_J02
9.8	**Polyols** - Xylitol, Sorbitol, Mannitol, Isomalt, Lactitol, Maltitol

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (subject of testing)
1.140	**Surface waters** - flowing watercourses, stagnant water – lakes, reservoirs, ponds, and seawater
7.21	**Bioindicators** - freshwater and sea water plankton
1.4, 1.10, 1.42, 2.40, 2.45, 2.49, 2.53, 2.59, 2.87, 5.9, 7.20,	**Biological materials** - blood, tissues, mother´s milk, urine, sweat
1.5, 1.11, 1.13, 1.125, 1.163, 1.164, 1.170, 2.26, 2.35, 2.37, 2.42, 2.56, 2.58, 2.72, 2.91	**Emissions** - filters, liquid and solid sorbents, condensates, fly ash
1.5, 1.11, 1.13, 1.125, 1.163, 1.164, 2.26, 2.36, 2.37, 2.56, 2.58, 2.72, 2.91	**Immissions** - filters, solid sorbents
3.19	**Fermented and hydrolysed food and beverages** - e.g., beer, starch and starch products, soy sauces, malt extracts, yeast doughs
1.1, 1.7, 1.14, 1.15, 1.17, 1.34, 1.37, 1.40, 1.55, 1.56, 1.71, 1.72, 1.73, 1.98, 1.135, 1.180, 2.3, 2.75	Liquid samples - industrial liquids, technical liquids, technological baths, extinguishing foams, gel-like liquids
1.2, 1.8, 1.31, 1.41, 1.71, 1.72, 1.78, 1.114, 1.116, 1.121, 1.123, 1.143, 1.147, 1.151, 2.14, 2.17, 2.19, 2.21, 2.39, 2.44, 2.52, 2.57, 2.66, 2.79	**Building materials** - building materials (demolished material, recycled, disposed building materials)
1.3, 1.9, 1.42, 1.151, 2.41, 2.46, 2.50, 2.54, 2.60, 2.74, 2.87, 3.1, 3.3, 3.9, 3.10, 3.11, 3.14, 3.15, 3.16, 3.17, 3.23, 3.27, 3.28, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.11, 5.12, 5.13, 5.14, 5.15, 5.16, 5.17, 5.18, 5.19, 5.20, 5.21, 5.22, 5.23, 5.28, 5.29, 5.30, 5.39, 7.20, 9.1, 9.2, 9.3, 9.4, 9.5, 9.8, 9.9, 9.10, 9.11, 9.12, 9.17, 9.18, 9.19, 9.26, 9.28, 9.31, 9.46	**Feed** - products for animal nutrition, PET Food
6.1, 6.2, 6.3, 6.4, 6.5, 6.10, 6.11	**Wastewater** - water from wastewater treatment plants, grease or oil separators, sewage, cooling, technological, rinsing, industrial
1.2, 1.8, 1.14, 1.16, 1.18, 1.20, 1.31, 1.41, 1.44, 1.45, 1.46, 1.48, 1.66, 1.67, 1.68, 1.71, 1.72, 1.73, 1.78, 1.81, 1.111, 1.112, 1.114, 1.116, 1.121, 1.123, 1.132, 1.142, 1.143, 1.147, 1.151, 1.154, 1.172,	**Solid samples** - waste (solid, liquid, biowaste), sediments, sludge, technological sludge products, soils, rocks, coal

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal test number	Detailed information on activities within the scope of accreditation (subject of testing)
1.174, 1.175, 1.176, 1.181, 2.1, 2.4, 2.8, 2.10, 2.24, 2.28, 2.32, 2.39, 2.44, 2.48, 2.52, 2.57, 2.77	
1.178	**Gases** - gases from biogas plants, landfill gases
1.173, 2.6, 2.56, 2.58, 2.82	**Working environment** - filters, solid sorbents, tubes
2.67	**Plant materials** - green plants (root, flower, green parts), pollen
1.2, 1.8, 1.31, 1.41, 1.71, 1.72, 1.78, 1.114, 1.116, 1.121, 1.123, 1.143, 1.147, 1.151, 2.14, 2.17, 2.19, 2.21, 2.39, 2.44, 2.52, 2.57, 2.66, 2.79	**Material for building** - new or unused building materials and raw materials for their production
4.14	**Treated waters** - dialysis water, aqua purificata, process, industrial, boiler and cooling water, irrigation water, water supplied by pipeline or taken from various reservoirs
1.1, 1.7, 1.14, 1.15, 1.17, 1.19, 1.21, 1.22, 1.29, 1.30, 1.33, 1.36, 1.37, 1.38, 1.39, 1.40, 1.43, 1.47, 1.50, 1.51, 1.52, 1.54, 1.55, 1.56, 1.57, 1.59, 1.64, 1.65, 1.75, 1.76, 1.77, 1.79, 1.80, 1.82, 1.85, 1.86, 1.87, 1.89, 1.90, 1.91, 1.93, 1.94, 1.95, 1.96, 1.97, 1.98, 1.99, 1.101, 1.102, 1.103, 1.104, 1.105, 1.110, 1.113, 1.115, 1.117, 1.118, 1.119, 1.120, 1.122, 1.128, 1.129, 1.130, 1.131, 1.133, 1.134, 1.135, 1.137, 1.138, 1.139, 1.144, 1.146, 1.149, 1.153, 1.165, 1.167, 1.171, 1.180, 2.2, 2.3, 2.7, 2.9, 2.11, 2.13, 2.16, 2.18, 2.20, 2.23, 2.25, 2.27, 2.31, 2.38, 2.43, 2.47, 2.51, 2.55, 2.63, 2.65, 2.68, 2.69, 2.71, 2.73, 2.75, 2.76, 2.78, 2.81, 2.83, 2.84, 2.89, 4.14, 4.18, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 7.10, 7.12, 7.15, 7.16, 7.17, 7.18, 7.21, 7.23	**Water** – drinking, bottled, natural, mineral, pool, hot, bathing, raw, underground, surface, waste, sea water, treated waters – dialysis water, aqua purificata, process, industrial, boiler and cooling water, irrigation water, water supplied by pipeline or taken from various reservoirs
1.1, 1.7, 1.14, 1.15, 1.17, 1.19, 1.21, 1.22, 1.29, 1.30, 1.33, 1.36, 1.37, 1.38, 1.39, 1.40, 1.43, 1.47, 1.50, 1.51, 1.54, 1.55, 1.56, 1.57, 1.59, 1.75, 1.76, 1.77, 1.79, 1.80, 1.82, 1.89, 1.90, 1.91, 1.93, 1.94, 1.95, 1.96, 1.97, 1.98, 1.99, 1.101, 1.102, 1.103, 1.104, 1.105, 1.113, 1.115, 1.117, 1.118, 1.119, 1.120, 1.122, 1.128, 1.129, 1.135, 1.137, 1.138, 1.139, 1.144, 1.146, 1.153, 1.165, 1.167, 1.171, 1.180, 2.2, 2.3, 2.7, 2.9, 2.11, 2.16, 2.18, 2.20, 2.23, 2.27, 2.31, 2.55, 2.84, 6.5, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.8, 7.9, 7.10, 7.15, 7.16	**Extracts** - Aqueous extracts of soils, sediments, and waste according to valid legislation.
2.40, 2.45, 2.53, 2.59	**Animal materials** - insects

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal test number	Detailed information on activities within the scope of accreditation (subject of testing)
9.33	**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
2.41, 2.46, 2.54, 2.60	**SPMD extracts** - SPMD from surface water, ground water and immission

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (source literature)
1.1, 1.7, 1.14, 1.15, 1.17, 1.19, 1.21, 1.22, 1.29, 1.30, 1.33, 1.36, 1.37, 1.38, 1.39, 1.40, 1.43, 1.47, 1.50, 1.51, 1.54, 1.55, 1.56, 1.57, 1.59, 1.75, 1.76, 1.77, 1.79, 1.80, 1.82, 1.89, 1.90, 1.91, 1.93, 1.94, 1.95, 1.96, 1.97, 1.98, 1.99, 1.101, 1.102, 1.103, 1.104, 1.105, 1.113, 1.115, 1.117, 1.118, 1.119, 1.120, 1.122, 1.128, 1.129, 1.135, 1.137, 1.138, 1.139, 1.144, 1.146, 1.153, 1.165, 1.167, 1.171, 1.180, 2.2, 2.3, 2.7, 2.9, 2.11, 2.16, 2.18, 2.20, 2.23, 2.27, 2.31, 2.55, 2.84, 6.5, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.8, 7.9, 7.10, 7.15, 7.16	Extracts are usually prepared according to the standards ČSN EN 12457-2, ČSN EN 12457-3, ČSN EN 12457-4, ČSN EN 14405, US EPA Method 1311, US EPA Method 1312, DIN 38414 S4, ÖNORM S2072.
2.15	Recommended Methods for the Identification and Analysis of Cannabis and Cannabis Products, MANUAL FOR USE BY NATIONAL DRUG ANALYSIS LABORATORIES, UNITED NATIONS, New York, 2009, UNITED NATIONS PUBLICATION, Sales No. E.09.XI.15, ISBN 978-92-1-148242-3; Commission Regulation (EC) No. 1122/2009 of 30 November 2009
2.81	2002/657/EC - Commission Decision of August 14 2002 implementing Council Directive 96/23/EC

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification[1]	Subject of sampling
1[1,2,4,5,6,7,8,9]	Collection of simple sample of surf ace 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]	Collection of simple sample of wast e 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)	Wastewater – water from waste water treatment plants, grease or oil separators, sewage, cooling, technological, rinsing, industrial
3[1,2,3,4,5,6,7,8,9,12]	Collection of drinking and hot water sample 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; Degree 252/2004 Coll., Degree of SÚJB No. 307/2002 Coll.)	Drinking water and hot water
4[1,2,3,4,5,6,7,8,9]	Collection of waste water composite sample by 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)	Wastewater – water from waste water treatment plants, grease or oil separators, sewage, cooling, technological, rinsing, industrial
5[1,2,3,4,5,6,7,8,9]	Collection 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 waters - dialysis water, aqua purificata, process, industrial, boiler and cooling water, irrigation water, water supplied by pipeline or taken from various reservoirs
6[1,2,3,4,5,6,7,8,9]	Collecting of water samples from artificial and natural swimming pools 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; Degree No. 238/2011 Coll.)	Pool and filling waters of artificial swimming pools
7[1,2,3,4,5,6,7,8,9]	Collection of simple sample of ground water using pumps and manually	**CZ_SOP_D06_01_V07** (ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN ISO 5667-11; ČSN EN ISO 5667-14)	Groundwater from boreholes and wells

Appendix is an integral part of
Certificate of Accreditation No. 325/2023 of 19. 6. 2023

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number	Sampling procedure name	Sampling procedure identification[1]	Subject of sampling
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; Degree No.289/2007 Coll.; ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN EN ISO 5667-14)	Contaminated surfaces – food premises, walls after fires, walls of technological operations
9[1,2,3,4,5,6,7,8,9]	Sampling of sewage sludge and water 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 sewage treatment plants and water treatment plants, from sludge landfills
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; 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)	Soils
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;	Waste

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

Ordinal number	Sampling procedure name	Sampling procedure identification[1]	Subject of sampling
		ČSN 015112; ČSN EN 14899; ČSN EN ISO 19458; ČSN EN ISO 3170; Methodological Guide of ME for Waste Sampling 2008, 101s)	
13[1,2,3,4,5,6]	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 – filters, solid sorbents, tubes
14[1]	Sampling of food by the method of random sampling	**CZ_SOP_D06_01_V14** (Decree 211/2004, Coll.; Commission Regulation (EC) 2073/2005)	Packaged foods and beverages
15[1,2,7]	Gas sampling for determination NH3	**CZ_SOP_D06_01_V15** (ČSN 834728)	Gases - gases from biogas plants, landfill gases
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 a 6, ČSN EN ISO 16000-7; ČSN EN 482; GR No. 361/2007, Coll., appendix 3)	Outdoor and indoor air, working environment – filters, solid sorbents, tubes
17[1]	Sampling for the asbestos determination	**CZ_SOP_D06_01_V17** (VDI 3866, part 1)	Building materials – new or unused materials for construction and raw materials for their production Construction materials – construction materials (demolished material, recycled material, disposed of construction materials)[82]

[1] for dated documents identifying sampling procedures, only those specific procedures are used, for undated documents identifying sampling procedures, the most recent edition of that procedure (including any changes) is used

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

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

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	Isotachophoresis
LDN	Labor Diagnostika Nord GmbH & Co.KG
LSC	Liquid Scintillation Counting method for the determination of alpha- or beta- radiation emittingradionuclides
MS	Mass Detector
MUFA	Monounsaturated Fatty Acids
NEN	Nederlands Normalisatie-Institut
NIOSH	National Institute for Occupation Safety and Health
PBB	Polybrominated biphenyls
PhEur	European Pharmacopoeia
PDA	Photo-Diode-Array detektor
PUFA	Polyunsaturated Fatty Acids
RI	Refractometric Detector
SAFA	Saturated Fatty Acids
SEM/EDS	Scanning Electron Microscope / Energy Dispersive Spectrometer
SFS	The Finish Standard Association
SM	Standard Methods – Standard US methods for the analysis of drinking and wastewater prepared and issued by American Public Health Association, American Water Works Association and Water Environmental Federation, 21st 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

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

ALS Czech Republic, s.r.o.

CAB number 1163, ALS Czech Republic, s.r.o.
Na Harfě 333/9, 190 00 Praha 9 - Vysočany

TFA	Trans Fatty Acids
TNV	Branch Technical Standard of Water Management
USBSC	Empirical formula of permeability of mixed materials, coefficient of permeability was extracted fromgranulometry analysis
US EPA	U.S. Environmental Protection Agency
USP	US Pharmacopoeia
UV	Ultraviolet Detector