NÁRODNÍ AKREDITAČNÍ ORGÁN

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. **129/2019**

Zdravotní ústav se sídlem v Ostravě
with registered office Partyzánské náměstí 2633/7, Moravská Ostrava, 702 00 Ostrava,
Company Registration No. 71009396

to the Testing Laboratory No. **1393**
Hygienic Laboratories Centre

Scope of accreditation:

Chemical, microbiological, radiological and biological analyses of water, waste, solid samples, food, materials, air and biological material, including independent sampling, determination of asbestos fibres, ecotoxicity tests, determination of sterilization efficiency and measurement of physical environmental factors 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 17025:2005

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

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 379/2018 of 13. 7. 2018, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **13. 7. 2023**

Prague: 21. 3. 2019

Český institut pro akreditaci, o.p.s.
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Jiří Růžička
Director
Czech Accreditation Institute
Public Service Company

The Appendix is an integral part of
Certificate of Accreditation No. 129/2019 of 21. 3. 2019

Accredited entity according to ČSN EN ISO/IEC 17025:2005:

Zdravotní ústav se sídlem v Ostravě
Hygienic Laboratories Centre
Partyzánské náměstí 2633/7, Moravská Ostrava, 702 00 Ostrava

Testing laboratory locations:

1	**Ostrava**	Partyzánské náměstí 2633/7, Moravská Ostrava, 702 00 Ostrava
2	**Brno**	Gorkého 6, 602 00 Brno
3	**Karviná**	Těreškovové 2206, 734 01 Karviná – Mizerov
4	**Vyškov**	Masarykovo nám. 16, 682 01 Vyškov
5	**Olomouc**	Wolkerova 6, 779 11 Olomouc
6	**Jihlava**	Vrchlického 57, 587 25 Jihlava

Contact and sampling points:

K1	**Nový Jičín**	Štefánikova 1977/9, 741 01 Nový Jičín
K2	**Bruntál**	Zahradní 5, 792 01 Bruntál
K3	**Zlín**	Havlíčkovo nábřeží 600, 760 01 Zlín
K4	**Vsetín**	4. května 287, 755 01 Vsetín
K5	**Šumperk**	Nemocniční 1852/53, 787 01 Šumperk
K6	**Ústí nad Orlicí**	Tvardkova 1191, 562 01 Ústí nad Orlicí
K7	**Havlíčkův Brod**	Štáflova 2003, 580 01 Havlíčkův Brod
K8	**Pelhřimov**	Slovanského bratrství 710, 393 01 Pelhřimov
K9	**Třebíč**	Bráfova 31, 674 01 Třebíč
K10	**Žďár nad Sázavou**	Tyršova 3, 591 01 Žďár nad Sázavou
K11	**Frýdek-Místek**	Palackého 122, 738 02 Frýdek-Místek
K12	**Opava**	Lepařova 2938, 746 01 Opava-Předměstí

The Laboratory is qualified to update standards identifying the test procedures.
The Laboratory has a flexible scope of accreditation permitted as detailed in the Annex.
Updated list of activities provided within the required flexible scope of accreditation is available at the Laboratory (from the Quality Manager).
The Laboratory provides expert opinions and interprets test results.
The Laboratory is qualified to carry out independent sampling.

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Hygienic Laboratories Centre

Partyzánské náměstí 2633/7, Moravská Ostrava, 702 00 Ostrava

Basic chemistry

Ordinal number [1)]	Test procedure/ method name	Test procedure/ method identification	Tested object
1(1,2,5,6)	Determination of absorbance	SOP OV 001 (ČSN 75 7360)	Drinking, ground, surface, bathing water, extracts(1,2)
2(1,2,5,6)	Determination of ammonium (NH_4^+) by spectrophotometry and ammonia nitrogen (N-NH_4^+) by calculation from measured values	SOP OV 002 (ČSN ISO 7150-1)	Water, bottled water(1,5,6), extracts(1,2,6)
3(5)	Determination of ammonium (NH_4^+) by titration and ammonia nitrogen (N-NH_4^+) by calculation from measured values	SOP OV 002.03 (ČSN ISO 5664)	Drinking, ground, surface, bathing, waste and process water
4(1,2,5,6)	Determination of anions by ion chromatography (conductivity detection) (*)	SOP OV 003 (ČSN EN ISO 15061, ČSN EN ISO 10304-1, ČSN EN ISO 10304-4)	Drinking, hot, bathing, surface, ground, purified water, waste and process water, extracts(1,2,6) Bottled water(1,5,6)
5(1,6)	Determination of anions by ion chromatography (conductivity detection) (*)	SOP OV 003.01 (ČSN EN ISO 10304-1)	Working and outdoor air, emission
6(1)	Determination of colour - by visual	SOP OV 004 (ČSN EN ISO 7887)	Drinking, hot, bottled, bathing, surface, ground and purified water, extracts
7(2,5)	Determination of colour by spectrophotometry	SOP OV 004.01 (ČSN EN ISO 7887)	Drinking, hot, bottled, surface, bathing, ground and purified water, extracts, sea water (5)
8(1,5,6)	Determination of biochemical oxygen demand after n days (BODn) – with oxygen electrode	SOP OV 005 (ČSN EN 1899-1, ČSN EN 1899-2)	Surface, ground, waste, process, drinking(6) water
9(2)	Determination of biochemical oxygen demand after n days (BODn) – by titration	SOP OV 005.01 (ČSN EN 1899-1, ČSN EN 1899-2)	Surface, waste, process water
10(1)	Determination of Kjeldahl nitrogen Titration method after mineralization with selenium and determination of total, inorganic and organic nitrogen by calculation from measured values	SOP OV 006.01 (ČSN EN 25663)	Water, extracts
11(1,6)	Determination of total nitrogen by spectrophotometry (modified Kjeldahl method)	SOP OV 006.06 (ČSN ISO 11261)	Waste, solid samples
12(1)	Determination of total nitrogen by spectrophotometry with MERCK set	SOP OV 006.02 (Merck's manual)	Water, extracts
13(2)	Determination of total nitrogen after oxidation mineralization by spectrophotometry and inorganic nitrogen by calculation from measured values	SOP OV 006.03 (ČSN EN ISO 11905-1)	Water
14(6)	Determination of total nitrogen by electrochemical method, inorganic and organic nitrogen by calculation from measured values	SOP OV 006.05 (ČSN EN 12260)	Waste, process and surface water
15(1,2,5,6)	Determination of total phosphorus and phosphate by spectrophotometry and phosphorus pentaoxide (P_2O_5) by calculation from measured values	SOP OV 007 (ČSN EN ISO 6878)	Water, purified water , bottled water(1,5,6), extracts(1,2,6)
16(1)	Determination of total phosphorus by spectrophotometry with MERCK set	SOP OV 007.01 (MERCK manual)	Water, extracts
17* (1,2,3,5,6) (K2-5,K7-12)	Field determination of total and free chlorine by spectrophotometry by HACH set and bound chlorine by calculation from measured values	SOP OV 008.01 (HACH manual)	Water, purified water
18(2)	Determination of nitrate (NO_3^-) by UV spectrophotometry and nitrate nitrogen (N-NO_3^-) by calculation from measured values	SOP OV 009.01 (Water Management 12/1977 –B Series, 319-320)	Water, purified water

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Partyzánské náměstí 2633/7, Moravská Ostrava, 702 00 Ostrava

Ordinal number [1)]	Test procedure/ method name	Test procedure/ method identification	Tested object
19(2,5,6,7)	Determination of nitrite (NO_2^-) by spectrophotometry and nitrite nitrogen ($N\text{-}NO_2^-$) by calculation from measured values	SOP OV 010 (ČSN EN 26777)	Water, extracts(2,6), bottled water(5,6)
20(1,2,5,6)	Determination of electrical conductivity	SOP OV 011 (ČSN EN 27888)	Water, purified water, extracts(1,2,6), bottled water(1,5,6)
21(1,2,6)	Determination of phenols (phenol index) by spectrophotometry	SOP OV 046 (ČSN ISO 6439)	Water, extracts
22(1)	Determination of phenols (phenol index) by spectrophotometry	SOP OV 046.01 (ČSN ISO 6439)	Waste, solid samples
23(1)	Determination of fluoride by potentiometry (ISE)	SOP OV 012 (ČSN ISO 10359-1)	Water, bottled water, extracts, working air
24(1,5,6)	Determination of aggressive carbon dioxide by Heyer marble test using titration and calculation of carbon dioxide forms (CO_2 free, bound, total, hydrogen carbonates (HCO_3^-) and carbonates (CO_3^{2-})) from ANC and BNC values	SOP OV 013 (ČSN 75 7373)	Water, bottled water, extracts
25(1,2,5,6)	Determination of humic substances by spectrophotometry	SOP OV 014 (ČSN 757536)	Drinking, surface, ground, bottled water(1)
26(2,5,6)	Determination of chemical oxygen demand with dichromate (COD_{Cr}) by titration	SOP OV 015 (ČSN ISO 6060)	Water, bottled water(5,6), extracts(6)
27(1)	Determination of chemical oxygen demand with dichromate (COD_{Cr}) by spectrophotometry	SOP OV 015.01 (ČSN ISO 15705)	Water, bottled water, extracts
28(1,2,5,6)	Determination of chemical oxygen demand using permanganate (COD_{Mn}) by titration	SOP OV 016 (ČSN EN ISO 8467)	Drinking, ground, surface, bathing, hot water Bottled water(1,5,6), extracts(1,2)
29 * (1,2,3,5,6) (K2-5,K7-12)	Preliminary sensory analysis (*)	SOP OV 062.01 (TNV 75 7340)	Surface, ground bathing water
30 * (1,2,5) (K2-5, K11)	Field determination of pH by potentiometry	SOP OV 033.02 (ČSN ISO 10523)	Water
31* (1,2, 5,6) (K3-5,K7-10)	Field determination of chlorine dioxide by spectrophotometry with (HACH/ MERCK set)	SOP OV 018.01 (HACH/MERCK manual)	Drinking, ground, bathing, purified Waste, process water
32(1,2,5,6)	Determination of chlorophyll-a by spectrophotometry	SOP OV 019 (ČSN ISO 10260)	Surface water
33(1,2,5)	Determination of chrome (VI) by spectrophotometry	SOP OV 049 (ČSN ISO 11083, ČSN EN ISO 18412 ČSN EN ISO 17075-1)	Drinking, ground, surface, waste, process water Bottled water(1), extracts(1,6) Materials (1)
34(6)	Determination of chrome (VI) by spectrophotometry	SOP OV 049.02 (NIOSH Manual of Analytical Methods (NMAM), 8/1594)	Working and outdoor air, emission
35(1)	Determination of iodide by titration	SOP OV 020.02 (ČSN 58 0111, part 16)	Water: drinking, bottled, surface, ground, bathing
36(1,6)	Determination of total and easily liberatable cyanide by spectrophotometry	SOP OV 022.01 (ČSN ISO 6703-2, ČSN 75 7415, Procedure A)	Water, bottled water, extracts
37(1)	Determination of total and easily liberatable cyanide by spectrophotometry	SOP OV 022.04 (ČSN ISO 6703-2)	Waste, solid samples
38(1,5,6)	Determination of acid neutralizing capacity (ANC) by titration	SOP OV 024 (ČSN EN ISO 9963-1)	Water, bottled water, extracts(1)

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Partyzánské náměstí 2633/7, Moravská Ostrava, 702 00 Ostrava

Ordinal number [1)]	Test procedure/ method name	Test procedure/ method identification	Tested object
39(1,6)	Determination of acid neutralizing capacity (ANC) by potentiometry	SOP OV 024.01 (ČSN EN ISO 9963-1)	Water, bottled water, extracts
40(1,2,5,6)	Determination of suspended solids (NL) at 105 °C and 550 °C (ignition residue), total solids at 105 °C and 550 °C (ignition residue) by gravimetry and loss on ignition of suspended solids and total solids by calculation from measured values	SOP OV 025.01 (ČSN EN 872, ČSN 75 7350)	Drinking, surface, ground, waste, process water
41(1,2,5,6)	Determination of dissolved solids (RL, RAS) by gravimetric method and total mineralization by calculation from measured values	SOP OV 026.01 (ČSN 75 7346, ČSN 75 7347, ČSN 75 7358, ČSN EN 15216)	Water, bottled water(1,5,6), extracts(1,2,6)
42(1,2,5,6)	Preliminary sensory analysis – odour and taste	SOP OV 062 (TNV 75 7340)	Drinking, hot, bottled, surface, ground, bathing, purified water, extracts(1,2)
43*(2,6) (K3,4, K7-10)	Field determination of redox potential	SOP OV 028 (ČSN 75 7367)	Drinking, bathing, ground and surface water
44* (1,2,3,5,6) (K3-5, K7-11)	Field determination of ozone by spectrophotometry with HACH/MERCK set	SOP OV 032.02 (HACH/MERCK manual	Bathing, drinking water
45 (1,2,5,6)	Determination of pH by potentiometry	SOP OV 033 (ČSN ISO 10523)	Water, purified water, extracts(1,2,6) Bottled water(1,5,6)
46(1,6)	Determination of pH by potentiometry	SOP OV 033.01 (ČSN EN 15933, ČSN ISO 10390)	Solid samples, waste
47(1,2,5)	Determination of the threshold odour number (TON) and threshold flavour number (TFN)	SOP OV 034 (ČSN EN 1622)	Drinking, hot, bottled, surface, ground water, extracts(1,2)
48*(6) (K7-10)	Field determination of dissolved oxygen – membrane probe method	SOP OV 036 (ČSN EN ISO 5814)	Drinking, ground, surface, bathing, waste and process water
49(1,2,5,6)	Determination of dry matter by gravimetry and water content (moisture content) by calculation from measured values	SOP OV 040.01 (ČSN EN 15934 method A)	Waste, solid samples Materials (1)
50(2)	Determination of manganese by spectrophotometry	SOP OV 050 (ČSN ISO 6333)	Water
51(2)	Determination of the sum of calcium and magnesium by titration	SOP OV 039 (ČSN ISO 6059)	Water
52(1,2,5,6)	Determination of anionic surfactants by spectrophotometry	SOP OV 041 (ČSN EN 903)	Water, bottled water(1,5,6), extracts(1)
53* (1,2,3,4,5,6) (K2-5, K7-12)	Field measurement of temperature	SOP OV 042 (ČSN 75 7342)	Water, purified water
54* (1,5,6) (K7-11)	Field measurement of temperature	SOP OV 042.01 (ČSN EN 13485)	Foodstuffs
55(1,2,5,6)	Determination of turbidity by nephelometry	SOP OV 044.01 (ČSN EN ISO 7027-1)	Drinking, hot, bottled, surface, ground, bathing, purified water(1), extracts(1,2)
56(1,2,5,6)	Determination of base neutralizing capacity (BNC) by titration	SOP OV 045 (ČSN 75 7372)	Water, bottled water, extracts(1)
57(1,5,6)	Determination of loss on ignition (combustible matter) by gravimetry and dry residue by calculation from measured values	SOP OV 040.02 (ČSN 46 5735, ČSN EN 15935, ČSN EN 15169)	Waste, solid samples

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Ordinal number [1)]	Test procedure/ method name	Test procedure/ method identification	Tested object
58(1,2)	Determination of iron by spectrophotometry	SOP OV 051 (ČSN ISO 6332)	Water, bottled water(1), extracts
59(1,2,5,6)	Determination of ammonium (NH_4^+) by photometry using automatic analyzer and ammonia nitrogen (N-NH_4^+) by calculation from measured values	SOP OV 064 (Thermo Scientific manual)	Drinking, hot, bottled, bathing, surface, ground and purified water, extracts of materials (1)
60(6)	Determination of ammonium (NH_4^+) by photometry using automatic analyzer and ammonia nitrogen (N-NH_4^+) by calculation from measured values	SOP OV 064.07 (Thermo Scientific manual)	Waste and process water, extracts
61(2,5)	Determination of alkalinity(KNK) by photometry using automatic analyzer	SOP OV 064.01 (Thermo Scientific manual)	Drinking, hot, bottled, bathing, surface, ground and purified water
62(1,2,5,6)	Determination of colour by photometry using automatic analyzer	SOP OV 064.02 (Thermo Scientific manual)	Drinking, hot, bottled, bathing, surface, ground and purified water, extracts of materials (1)
63(6)	Determination of boron by photometry using automatic analyzer	SOP OV 064.08 (Thermo Scientific manual)	Drinking, ground, bottled, surface, bathing, process, hot and purified water
64(1,2,5,6)	Determination of nitrate (NO_3^-) by photometry using automatic analyzer and nitrate nitrogen (N-NO_3^-) by calculation from measured values	SOP OV 064.03 (Thermo Scientific manual)	Drinking, hot, bottled, bathing, surface, ground and purified water, extracts of materials (1)
65(6)	Determination of nitrate (NO_3^-) by photometry using automatic analyzer and nitrate nitrogen (N-NO_3^-) by calculation from measured values	SOP OV 064.09 (Thermo Scientific manual)	Waste and process water, extracts
66(1,2,5,6)	Determination of nitrite (NO_2^-) by photometry using automatic analyzer and nitrite nitrogen (N-NO_2^-) by calculation from measured values	SOP OV 064.04 (Thermo Scientific manual)	Drinking, hot, bottled, bathing, surface, ground and purified water, extracts of materials (1)
67(6)	Determination of nitrite (NO_2^-) by photometry using automatic analyzer and nitrite nitrogen (N-NO_2^-) by calculation from measured values	SOP OV 064.11 (Thermo Scientific manual)	Waste and process water, extracts
68(1,2,5)	Determination of chlorides by photometry using automatic analyzer	SOP OV 064.05 (Thermo Scientific manual)	Drinking, hot, bottled, bathing, surface, ground and purified water, extracts of materials (1)
69(1,2,5)	Determination of sulphate by photometry using automatic analyzer	SOP OV 064.06 (Thermo Scientific manual)	Drinking, hot, bottled, bathing, surface, ground and purified water, extracts of materials (1)
70(1,2,5)	Determination of phosphate by photometry using automatic analyzer	SOP OV 064.10 (Thermo Scientific manual)	Drinking, hot, bottled, bathing, surface, ground and purified water, extracts of materials (1)
71(1)	Qualitative determination of asbestos fibres by SEM-EDS technique	SOP OV 081 (VDI 3492, Annex D, VDI 3866, part 5)	Building materials
72(1,6)	Chemical tests for cleanness of water – qualitative (*)	SOP OV 055 (ČL, article A, 9.4:0008)	Purified water
73(1,6)	Determination of electrical conductivity	SOP OV 055.01 (ČL, article A, 9.4:0008)	Purified water
74(1,6)	Determination of evaporation residue by gravimetry	SOP OV 055.02 (ČL, article A, 9.4:0008)	Purified water
75(1,6)	Determination of gaseous pollutants by spectrophotometry(*)	SOP OV 058 (**)	Air, emission
76-77	Reserved		

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Ordinal number [1)]	Test procedure/ method name	Test procedure/ method identification	Tested object
78(2,5)	Determination of pH by potentiometry using automatic analyzer	SOP OV 064.12 (Thermo Scientific manual)	Drinking, hot, bottled, bathing, surface, ground and purified water
79(2,5)	Determination of electric conductivity using automatic analyzer	SOP OV 064.13 (Thermo Scientific manual)	Drinking, hot, bottled, bathing, surface, ground and purified water
80(1)	Quantitative determination of asbestos fibres by SEM-EDS technique	SOP OV 082 (BGIA 7487, TRGS 517)	Mineral raw materials and products made of them
81(1)	Determination of phenol by continuous flow analysis	SOP OV 083 (ČSN EN ISO 14402)	Water, purified water, water, extracts
82(1)	Determination of total cyanide and free cyanide by continuous flow analysis	SOP OV 084 (ČSN EN ISO 14403-2)	Water, purified water, and bottled water, extracts
83(1)	Determination of anionic surfactants by measurement of the methylene blue index by continuous flow analysis	SOP OV 085 (ČSN ISO 16265)	Water, purified water, and bottled water, extracts
84 * (6) (K7-10)	Field determination of dissolved oxygen, optical sensor method	SOP OV 036.01 (ČSN ISO 17289, WTW manual)	Drinking, ground, surface, bathing, waste, process water
85(6)	Determination of total phosphorus by spectrophotometry	SOP OV 007.02 (ČSN EN 14672)	Waste, solid samples
86(1,6)	Determination of ammonium (NH_4^+) by spectrophotometry and ammonia nitrogen ($N\text{-}NH_4^+$) by calculation from measured values	SOP OV 002.01 (JPP ÚKZÚZ, Soil Analysis III, ČSN ISO 7150-1)	Waste, solid samples
87(1,6)	Determination of nitrate (NO_3^-) by ion chromatography and nitrate nitrogen ($N\text{-}NO_3^-$) by calculation from measured values	SOP OV 003.02 (JPP ÚKZÚZ, Soil Analysis III, ČSN EN ISO 10304-1)	Waste, solid samples
88-199	Reserved		
200(1)	Determination of creatinine by spectrophotometry	SOP OV 503 (AHEM 4/1985)	Urine
201(1)	Determination of trichloro-acetic acid and trichloroethanol by spectrophotometry	SOP OV 509.01 (AHEM 4/1985)	Urine
202	Reserved		
203(1)	Determination of hippuric acid by spectrophotometry	SOP OV 505.01 (AHEM 4/1985)	Urine
204(1)	Determination of 5 – aminolaevulic acid by spectrophotometry	SOP OV 507 (AHEM 4/1985)	Urine
205	Reserved		
206(1)	Determination of fluoride by ion selective electrode	SOP OV 502 (AHEM 4/1985)	Urine
207-249	Reserved		
250(1)	Determination of total migration by gravimetry	SOP OV 608 (Czech Ministry of Health Regulation No. 38/2001 Coll. and No. 84/2001 Coll., Commission Regulation (EU) No. 10/2011)	Materials, extracts of materials
251(1,2)	Determination of primary aromatic amines by spectrophotometry	SOP OV 603 (ČSN 62 1156)	Materials, extracts
252(1)	Determination of material resistance to saliva and sweat	SOP OV 600 (MoH CR Regulation No. 84/2001 Coll.)	Materials

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Ordinal number [1)]	Test procedure/ method name	Test procedure/ method identification	Tested object
253(1)	Detection of specified substances in rubber (*)	SOP OV 606 (ČSN 62 1156)	Aqueous extracts of rubber
254(1)	Determination of reducing substances by titration	SOP OV 606.01 (ČSN 62 1156)	Aqueous extracts of rubber
255(1)	Determination of evaporation residue by gravimetry	SOP OV 606.02 (ČSN 62 1156)	Aqueous extracts of rubber
256(1)	Determination of formaldehyde by spectrophotometry	SOP OV 609 (Annex No. 32/1976 AHEM, ČSN EN ISO 14184-1)	Materials, extracts Surface and ground water
257-300	Reserved		

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Basic chemistry of food

Ordinal number [1)]	Test procedure/ method name	Test procedure/ method identification	Tested object
301(1)	Detection and identification of synthetic dyes by paper chromatography	SOP OV 102.01(**)	Foodstuffs
302(1,5)	Sensory analysis of food, PBU(*)	SOP OV 124 (**)	Foodstuffs, spirits(1), extracts(1), PBU(1)
303(1)	Determination of sugar (reducing sugar, sugar expressed as saccharose (total sugar) by titration	SOP OV 123 (**)	Foodstuffs
304(1)	Determination of acid value by titration	SOP OV 135 (ČSN EN ISO 660)	Fats, oils
305(1)	Determination of nitrogen by titration and protein by calculation from measured values	SOP OV 104 (**)	Foodstuffs
306(1,5)	Determination of ethanol by pycnometry	SOP OV 108 (**)	Food, spirits
307(1)	Determination of sodium chloride by titration	SOP OV 110 (**)	Foodstuffs
308(1)	Determination of iodide and iodate by titration and potassium iodide and potassium iodate by calculation of measured values	SOP OV 112 (**)	Foodstuffs
309(1)	Determination of cyanide by titration and potassium hexacyanoferrate ($K_4Fe(CN)_6$) by calculation from measured values	SOP OV 113 (**)	Salt
310(1)	Determination of acidity by titration	SOP OV 114 (**)	Foodstuffs
311(1,6)	Determination of sulphur dioxide by titration	SOP OV 125 (ČSN 56 0160-11, ČSN ISO 5523 A.Príbela: Analysis of foreign matter in food, 1974, 1st issue, page 97-101)	Foodstuffs
312(1)	Determination of peroxide value by titration	SOP OV 119 (ČSN EN ISO 3960)	Fats, oils
313(1,6)	Determination of pH by potentiometry	SOP OV 120 (**)	Foodstuffs
314(1)	Determination of ash insoluble in acid (sand)	SOP OV 121 (**)	Foodstuffs
315(1,6)	Determination of ash content by gravimetry	SOP OV 122 (**)	Foodstuffs
316	Reserved		
317(1)	Determination of foreign matter and impurities (*)	SOP OV 138 (ČSN 58 8719, ČSN 46 1300-1, ČSN ISO 605, ČSN EN ISO 927, ČSN 461011-21, ČSN 56 0520-5, ČSN 46 1011-1, ČSN 46 1011-6, ČSN 46 1100-1, Regulation No. 329/1997 Coll., Regulation No. 333/1997 Coll., Regulation No. 398/2016 Coll., Council Regulation (EC) No 510/2006)	Oil seeds Pulses Cereal mill products Spices
318(1)	Determination of refractometric dry matter	SOP OV 126 (**)	Foodstuffs, spirits
319(1,6)	Determination of dry matter by gravimetric method, determination of moisture content (water content) by calculation from measured values and determination of energy value and saccharides by calculation from measured values (*)	SOP OV 118 (**)	Foodstuffs

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Ordinal number [1)]	Test procedure/ method name	Test procedure/ method identification	Tested object
320(1)	Determination of moisture content (water content) by distillation	SOP OV 134.01 (ČSN ISO 939)	Foodstuffs
321	Reserved		
322(1)	Determination of fat by gravimetry	SOP OV 130 (**)	Foodstuffs
323(1)	Determination of fibre by gravimetry	SOP OV 132 (Method AOAC 985.29 Total Dietary Fiber in Foods – Enzymatic-Gravimetric Method)	Foodstuffs
324(1)	Determination of biometric characteristics of kernels (manual selection of kernels and measurement of their size)	SOP OV 139 (ČSN EN ISO 11746)	Rice
325-399	Reserved		

Determination of metals

Ordinal number [1)]	Test procedure/ method name	Test procedure/ method identification	Tested object
400 - 407	Reserved		
408(1,5,6)	Determination of elements by ICP-MS method (*)	SOP OV 201 (ČSN EN ISO 17294-1, ČSN EN ISO 17294-2)	Water, purified water, bottled water, extracts(1,6), dialyzates from DGT samplers(1) Water colloidal systems(1) Sea water(1)
409(1,6)	Determination of elements by ICP-MS method (*)	SOP OV 201.05 (ČSN EN ISO 17294-1, ČSN EN ISO 17294-2)	Waste, solid samples, materials(1)
410(1,6)	Determination of elements by ICP-MS method (*)	SOP OV 201.04 (ČSN EN ISO 17294-1, ČSN EN ISO 17294-2)	Air, emission
411(1)	Determination of elements by ICP-MS method (*)	SOP OV 201.03 (ČSN EN ISO 17294-1, ČSN EN ISO 17294-2)	Biological material (blood, blood serum, urine, tissue, hair)
412(1)	Determination of elements by ICP-MS method (*)	SOP OV 201.10 (ČSN EN ISO 17294-1, ČSN EN ISO 17294-2)	Food, feedstuffs
413(1)	Determination of elements by ICP-OES method(*)	SOP OV 201.01 (ČSN EN ISO 11885)	Water, bottled water, purified water, extracts, dialyzates from DGT samplers Sea water
414(1)	Determination of elements by ICP-OES method(*)	SOP OV 201.06 (ČSN EN ISO 11885)	Waste, solid samples, materials
415(1)	Determination of elements by ICP-OES method(*)	SOP OV 201.07 (ČSN EN ISO 11885)	Air, emission
416(1)	Determination of elements by ICP-OES method(*)	SOP OV 201.08 (ČSN EN ISO 11885)	Biological material (blood, blood serum, urine, tissue, hair)
417(1)	Determination of elements by ICP-OES method(*)	SOP OV 201.11 (ČSN EN ISO 11885)	Food, feedstuffs

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Ordinal number [1)]	Test procedure/ method name	Test procedure/ method identification	Tested object
418(1)	Determination of elements by X-ray spectrometry method(*)	SOP OV 202 (SPECTRO manual)	Waste, solid samples, air, materials
419(1,5,6)	Determination of Hg by AMA analyser	SOP OV 200.03 (ČSN 75 7440)	Water, bottled water, purified water (Extracts, waste, solid samples, air) (1,6) (Mineral oils, dialyzates from DGT samplers, emissions, feedstuffs, biological material (blood, blood serum, urine, tissue, hair, food, materials)(1)
420(1)	Determination of the distribution curve and size of colloid particles by spICPMS method(*)	SOP OV 203 (Manual for NEXION spectrometer, Perkin Elmer application notes)	Water colloidal systems
421(1)	Determination of the distribution curve and size of colloid particles by DLS (Dynamic Light Scattering) method	SOP OV 204 (Method prepared within the EU project NANoREG: "SOP for measurement of hydrodynamic Size-Distribution and Dispersion Stability by Dynamic Light Scattering (DLS)", 2016)	Water colloidal systems
422-499	Reserved		

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Organic chemistry

Ordinal number [1)]	Test procedure/ method name	Test procedure/ method identification	Tested object
500(3)	Determination of α-modification of silicon dioxide by infrared spectrometry	SOP OV 300 (NIOSH 7602, AHEM 8/76, AHEM 2/88)	Working air
501(3)	Determination of additives by liquid chromatography (DAD) (*)	SOP OV 301 (ČSN EN 12856)	Food, cosmetic products, bottled water
502(3)	Determination of acrylamide by gas chromatography (ECD, MSD)	SOP OV 303 (EPA 8032A)	Water, bottled water, extracts
503(3)	Determination of acrylamide by gas chromatography (MSD)	SOP OV 303.01 (ČSN P CEN/TS 17083)	Foodstuffs
504(3)	Determination of aldehydes and ketones by liquid chromatography (DAD) (*)	SOP OV 304.01 (EPA TO-11A)	Air, emission
505(1,5)	Determination of AOX (adsorbable organically bound halogens), EOX (extractable organically bound halogens), TX (total halogen compounds) and halogenides (sum of chlorides, bromides and iodides) by coulometry(*)	SOP OV 305.01 (ČSN EN ISO 9562)	Water(2,5), extracts(2)
506(1)	Determination of AOX (adsorbable organically bound halogens), EOX (extractable organically bound halogens), TX (total halogen compounds) and halogenides (sum of chlorides, bromides and iodides) by coulometry	SOP OV 305.04 (DIN 38414-17, ČSN EN 16166)	Solid samples, waste
507(1,2,5,6)	Determination of total organic carbon (TOC) and dissolved organic carbon (DOC) by infrared spectrometry method	SOP OV 307 (ČSN EN 1484)	Water, bottled water(1,5,6), purified water, extracts(1,2,6) Extracts of sorption materials(2)
508(1)	Determination of total organic carbon (TOC) by infrared spectrometry method	SOP OV 307.02 (ČSN EN 13137:2002)	Solid samples, waste
509(5)	Determination of diisocyanates by liquid chromatography (FLUD) (*)	SOP OV 316 (OSHA Method No.42 and No.47)	Working air
510(5)	Determination of phthalates by gas chromatography (MS) and the sum of phthalates by calculation from measured values(*)	SOP OV 313 (ČSN EN ISO 18856)	Materials, extracts
511	Reserved		
512(1)	Determination of AOX (adsorbable organically bound halogens) by coulometry	SOP OV 305.02 (ČSN EN 16166)	Air (dustfall)
513(3)	Determination of histamine by liquid chromatography (DAD)	SOP OV 381 (Journal of Chromatography A, 1032, 2004, 79-85)	Fish and fish products
514(3)	Determination of chelates by gas chromatography (MS) (*)	SOP OV 327.05 (ČSN EN ISO 16588)	Water, bottled water, extracts
515-520	Reserved		
521(5)	Determination of fatty acids by gas chromatography (MS) and the sum of saturated, monounsaturated, polyunsaturated and transunsaturated fatty acids by the calculation from the measured values (*)	SOP OV 336 (ČSN EN ISO 12966-1, ČSN EN ISO 12966-2)	Foodstuffs
522(3)	Determination of metabolites of organic compounds by liquid chromatography (DAD,FLUD)(*)	SOP OV 323 (**)	Urine
523(3,5)	Determination of methanol and volatile organic compounds by gas chromatography (FID, MS) (*)	SOP OV 324 (ČSN 660805)	Spirits
524(2,3,5,6)	Determination of NEL (non-polar extractives) and EL (extractives) by infrared spectrometry	SOP OV 309.01 (ČSN 75 7505:1998, ČSN 75 7506)	Water(2,3,5,6), bottled water(3), extracts(2,3,6)

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Ordinal number [1)]	Test procedure/ method name	Test procedure/ method identification	Tested object
525[(3,5)]	Determination of NEL (non-polar extractives) and EL (extractives) by infrared spectrometry	SOP OV 309.04 (ČSN 75 7505:1998, ČSN 75 7506)	Solid samples, waste
526[(3)]	Determination of NEL (non-polar extractives) and EL (extractives) by infrared spectrometry	SOP OV 309.07 (ČSN 75 7505:1998, ČSN 75 7506)	Air, pressure gases
527	Reserved		
528[(6)]	Determination of fats and oils by gravimetry	SOP OV 360 (ČSN 75 7509)	Surface, waste, bathing and process water, extracts
529[(3,5,6)]	Determination of organochlorinated pesticides (OCP) by gas chromatography (ECD, MS) and the sum of OCP by calculation from measured values[(*)]	SOP OV 327 (ČSN EN ISO 6468)	Water (Bottled water, extracts)[(3)] Sea water[(3)]
530[(3,6)]	Determination of organochlorinated pesticides (OCP) by gas chromatography (ECD, MS) and the sum of OCP by calculation from measured values[(*)]	SOP OV 327.01 (EPA 8081)	Solid samples, waste
531-532	Reserved		
533[(3,5,6)]	Determination of polyaromatic hydrocarbons (PAH) by liquid chromatography (FLUD, DAD) and the sum of PAH by calculation from measured values[(*)]	SOP OV 331 (ČSN EN ISO 17993)	Water (Bottled water, extracts)[(3)]
534[(3,6)]	Determination of polyaromatic hydrocarbons (PAH) by liquid chromatography (FLUD, DAD) and the sum of PAH by calculation from measured values[(*)]	SOP OV 331.05 (ČSN EN ISO 17993)	Solid samples, waste
535[(3,6)]	Determination of polyaromatic hydrocarbons (PAH) by liquid chromatography (FLUD, DAD) and the sum of PAH by calculation from measured values[(*)]	SOP OV 331.02 (EPA TO 13)	Emission, air
536[(3)]	Determination of polyaromatic hydrocarbons (PAH) by liquid chromatography (FLUD, DAD) and the sum of PAH by calculation from measured values[(*)]	SOP OV 331.06 (ČSN EN ISO 15753)	Food, edible fats and oils
537[(5)]	Determination of polyaromatic hydrocarbons (PAH) by gas chromatography (MS) and the sum of PAH by calculation from measured values[(*)]	SOP OV 331.01 (ČSN 75 7554)	Water: drinking, bottled, ground, surface and waste
538-542	Reserved		
543[(3,6)]	Determination of polychlorinated biphenyls (PCB) by gas chromatography (ECD, MS) and the sum of PCB by calculation from measured values[(*)]	SOP OV 333 (ČSN EN ISO 6468)	Water (Bottled water, extracts)[(3)]
544[(3,5,6)]	Determination of polychlorinated biphenyls (PCB) by gas chromatography (ECD) and the sum of PCB by calculation from measured values[(*)]	SOP OV 333.06 (ČSN EN 15308, ČSN EN 12766-1)	Solid samples, waste, mineral oils, materials
545[(3)]	Determination of saccharide by liquid chromatography (RID) [(*)]	SOP OV 335 (ČSN EN 15086)	Foodstuffs
546[(3)]	Determination of synthetic food dyes by liquid chromatography(DAD) [(*)]	SOP OV 343.02 [(**)]	Foodstuffs
547[(3,5,6)]	Determination of volatile organic compounds (VOC) by gas chromatography (MS, FID, ECD) and the sum of VOC by calculation from measured values [(*)]	SOP OV 344 (ČSN EN ISO 15680, ČSN EN ISO 10301)	Water[(3,5,6)] (Bottled water[(3,5)], extracts[(3)]) Sea water[(3)]

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Ordinal number [1)]	Test procedure/ method name	Test procedure/ method identification	Tested object
548	Reserved		
549[3,5]	Determination of volatile organic compounds (VOC) by gas chromatography (MS) and the sum of VOC by calculation from measured values[*]	SOP OV 344.01 (ČSN EN ISO 15009)	Solid samples, waste
550[3]	Determination of volatile organic compounds (VOC) by gas chromatography (MS) and the sum of VOC by calculation from measured values[*]	SOP OV 344.02 (EPA TO 14)	Air
551[3,5,6]	Determination of volatile organic compounds (VOC) and other organic compounds by gas chromatography on a sorbent (FID, MS, ECD) and the sum of VOC by calculation from measured values[*]	SOP OV 344.12 (ČSN P CEN/TS 13649)	Air, emission
552[3,5,6]	Determination of hydrocarbons C_{10} to C_{40} by gas chromatography (FID).	SOP OV 338 (ČSN EN ISO 9377-2)	Water, bottled water[3]
553[3,6]	Determination of hydrocarbons C_{10} to C_{40} by gas chromatography (FID).	SOP OV 338.01 (ČSN EN 14039)	Solid samples, waste
554[5]	Determination of urethane (ethyl carbamate) by gas chromatography (MS)	SOP OV 339.01 (Food Additives Analytical Manual, Volume I, AOAC International, 1983, ISBN 0-93584-22-6, page 320)	Foodstuffs
555[3]	Determination of vitamins by liquid chromatography (DAD, FLUD) [*]	SOP OV 340 [**]	Foodstuffs
556-557	Reserved		
558[5]	Determination of specified polar pesticides by liquid chromatography (MS/MS) and the sum of pesticides by calculation from measured values[*]	SOP OV 341.02 (EPA 535, EPA 536)	Water drinking, bottled, ground and surface Sea water
559-560	reserved		
561[3]	Identification of materials and chemical substances by infrared spectrometry	SOP OV 357 (NICOLET Appl. sheet)	Materials
562[3]	Determination of alkylphenols by gas chromatography (MS) and the sum of alkylphenols by calculation from measured values[*]	SOP OV 327.12 (ČSN EN ISO 18857-1, ČSN EN ISO 18857-2)	Water, bottled water, extracts
563	Reserved		
564[3]	Determination of pentachlorophenol by gas chromatography (MS)	SOP OV 327.14 (ČSN EN 12673)	Water, bottled water, extracts Sea water
565-599	Reserved		

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Air

Ordinal number [1) 2)]	Test procedure/ method name	Test procedure/ method identification	Tested object
600* (3)	Determination of odour concentration	SOP OV 401 (ČSN EN 13725)	Indoor and outdoor air
601 (1,2,5,6)	Determination of dust and solid pollutants by gravimetry	SOP OV 403 (ČSN EN 481, ČSN EN 12341, ČSN EN 689, Government Regulation No. 361/2007 Coll.)	Indoor, outdoor and working air
602 (1,2)	Determination of mass of dustfall by gravimetry	SOP OV 404 (HP MoH Volume No. 52/81)	Outdoor air
603	Reserved		
604 (1)	Determination of numerical concentration of mineral fibres by SEM method with EDS analyzer(*)	SOP OV 405.1 (Guideline VDI 3492)	Indoor, outdoor and working air
605*(1,2,3,5,6) (K1,3-6)	Preliminary determination of gases and vapours by detection tubes(*)	SOP OV 424 (GASTEC and Dräger manuals)	Indoor, outdoor and working air, pressure gases(1)
606*(1,2,5,6) (K5,10)	Measurement of the concentration of dust by automatic analyzers – optical method	SOP OV 436 (**)	Indoor, outdoor and working air
607*(1,2,5,6)	Measurement of the concentration of dust by automatic analyzers – gravimetric (frequency) method	SOP OV 436.01(**)	Indoor and outdoor air
608*(1,2,5,6) (K10)	Measurement of the concentration of dust by automatic analyzers – dispersion method	SOP OV 436.02 (**)	Indoor and outdoor air
609*(1,2,3,5,6,7) (K1,3-6)	Measurement of concentration of gaseous pollutants – electrochemical method (*)	SOP OV 438 (**)	Indoor, outdoor and working air, pressure gases(1)
610*(1,2,6) (K3)	Determination of sulphur dioxide (SO_2) and hydrogen sulphide (H_2S) by UV fluorescence	SOP OV 438.03 (ČSN EN 14212)	Indoor and outdoor air
611*(1,2,6) (K3)	Determination of ozone (O_3) by UV absorption	SOP OV 438.04 (ČSN EN 14625)	Indoor, outdoor and working air
612*(1,2,6) (K3)	Determination of nitrogen oxides by chemiluminescence	SOP OV 438.05 (ČSN EN 14211)	Indoor and outdoor air
613	Reserved		
614*(1,2,3,5,6) (K1,3-6, K8)	Determination of carbon monoxide (CO) and carbon dioxide (CO_2) by infrared spectrometry analyzer	SOP OV 438.07 (**)	Indoor, outdoor and working air, pressure gases(1)
615*(1)	Determination of methane and carbon dioxide (CH_4 ,CO_2) by infrared spectrometry analyzer	SOP OV 438.01 (**)	Indoor, outdoor and working air, soil air
616	Reserved		
617*(1,2,6, K5)	Enumeration of particles(*)	SOP OV 436.03 (ČSN EN ISO 14644-1, VYR-36, VYR-32)	Indoor and outdoor air Clean rooms and zones
618* (1)	Measurement of deviation of laminar flow streamline	SOP OV 480 (ČSN EN ISO 14 644-3)	Clean rooms and zones
619* (1)	Non-destructive testing of HEPA filters and filter cartridges	SOP OV 481 (ČSN EN ISO 14 644-3)	High performance aerosol filters and cartridges
620* (1)	Determination of regeneration time of a ventilated space	SOP OV 482 (ČSN EN ISO 14 644-3)	Clean rooms and zones
621* (1)	Determination of pressure image	SOP OV 483 (ČSN EN ISO 14 644-3)	Clean rooms and zones
622* (1)	Determination of velocity and homogeneity of flow in a room with laminar flow	SOP OV 484 (ČSN EN ISO 14 644-3)	Clean rooms and zones
623* (1)	Measurement of surface temperature	SOP OV 485 (TESTO manual)	Surfaces of machines and equipment

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Ordinal number [1) 2)]	Test procedure/ method name	Test procedure/ method identification	Tested object
624**(1,2,3,5,6) (K1,3-6,K8)	Determination of vapours and gases by calculation from measured values	SOP OV 486 (ČSN EN 482+A1, ČSN EN 689, Gov. Reg. No. 361/2007 Coll.)	Indoor, outdoor and working air
625-699	Reserved		

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Physical factors

Ordinal number [1]	Test procedure/ method name	Test procedure/ method identification	Tested object
700*(1,2,3,5,6) (K1,3-8)	Measurement and calculation of noise Measurement Calculation	SOP OV 456, part 1 (**) SOP OV 456, part 2 (**)	Working and non-working environment
701	Reserved		
702* (K6)	Measurement of noise of wind turbine generator systems	SOP OV 460 (ČSN EN 61400-11 ed. 3)	Wind turbine generator systems
703* (K6)	Measurement of sound power levels	SOP OV 462 (ČSN EN ISO 3744, ČSN EN ISO 3746, ČSN EN ISO 3747)	Noise source
704* (K6)	Measurement of emission sound pressure levels at work stations	SOP OV 463 (**)	Machines and equipment
705* (3, K5-7)	Measurement of reverberation time	SOP OV 464 (ČSN EN ISO 3382-2, ČSN EN ISO 3382-1)	Indoor areas
706* (1,3) (K5, K6)	Measurement of airborne sound insulation	SOP OV 468 (**)	Building structures
707* (3, K6)	Measurement of impact sound insulation	SOP OV 468.02 (**)	Building structures
708-710	Reserved		
711* (1,2,3,5,6) (K1,3,5-7)	Measurement of vibration	SOP OV 471(**)	Working and non-working environment
712* (1,2,3,5,6) (K1,3-5,7,8)	Measurement of artificial lighting	SOP OV 469 (**)	Working and non-working Environment, roads
713* 1,(2,3,5,6) (K1,3-5,7,8)	Measurement of daylight	SOP OV 470 (**)	Working and non-working environment
714* (1,2,3,6) (K1,3-5,10)	Measurement of microclimatic conditions (*)	SOP OV 474 (**)	Working and non-working environment Clean rooms and zones (1)
715* (3)	Measurement of air-conditioning conditions	SOP OV 475 (ČSN 124070, ČSN 123061, ČSN EN ISO 7726)	Working and non-working environment Clean rooms and zones
716* (1,2, K3)	Measurement of electromagnetic field	SOP OV 452 (**)	Working and non-working environment
717* (2)	Ultraviolet radiation parameters measuring	SOP OV 455 (ČSN EN 60335-2-27 ed.4), ČSN EN 14255-1, ČSN EN 12198-2 + A1, ČSN EN 61228 ed. 2)	Working and non-working environment
718-799	Reserved		

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Ecotoxicology

Ordinal number [1)]	Test procedure/ method name	Test procedure/ method identification	Tested object
800(1)	Determination of the acute lethal toxicity of substances to a freshwater fish *Poecilia reticulata*	SOP OV 800 (ČSN EN ISO 7346-2, STN 83 8303)	Water, extracts
801(1)	Determination of the inhibition of the mobility of *Daphnia magna* Straus – Acute toxicity test	SOP OV 801 (ČSN EN ISO 6341, STN 83 8303)	Water, extracts
802(1)	Determination of the acute toxicity of substances to green algae *Desmodesmus subspicatus*	SOP OV 802 (ČSN EN ISO 8692, STN 83 8303)	Water, extracts
803(1)	Determination of the acute toxicity of substances to the seeds of *Sinapis alba*	SOP OV 803 (Guideline, ME Bulletin, Volume XVII, Part 4/2007, STN 83 8303)	Water, extracts
804(1)	Determination of the inhibitory effect of water samples on the light emission of *Vibrio fischeri*	SOP OV 805 (ČSN EN ISO 11348-2)	Water, extracts
805(1)	Determination of inhibition of *Lactuca sativa* root growth	SOP OV 811 (ČSN EN ISO 11269-1)	Solid samples, waste
806-849	Reserved		

Radiology

Ordinal number [1)]	Test procedure/ method name	Test procedure/ method identification	Tested object
850(6)	Determination of total volume activity alpha in water by measurement of the mixture of evaporation residue and ZnS(Ag) scintillator and total indicative dose by calculation from measured values	SOP OV 806 (ČSN 75 7611)	Drinking, ground, surface, waste, process and hot water
851(6)	Determination of total volume activity beta in water by measurement of annealing residue of evaporation residue by window proportional counter and total volume activity beta – 40K by calculation from measured values	SOP OV 807 (ČSN 75 7612)	Drinking, ground, surface, waste, process and hot water
852(6)	Determination of 222Rn volume activity in water by measurement of gamma radiation using a scintillation counter	SOP OV 808 (ČSN 75 7624)	Drinking, ground, surface, waste, process and hot water
853-899	Reserved		

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Microbiology

Ordinal number [1]	Test procedure/ method name	Test procedure/ method identification	Tested object
900(1,2,5,6)	Detection and enumeration of *Escherichia coli* and coliform bacteria – Membrane filtration method	SOP OV 900 (ČSN EN ISO 9308-1)	Water, bottled water
901(1,2,5,6)	Detection and enumeration of thermotolerant coliform bacteria – Membrane filtration method	SOP OV 903 (ČSN 75 7835)	Water, bottled water
902(1,2,5,6)	Detection and enumeration of intestinal enterococci – Membrane filtration method	SOP OV 906 (ČSN EN ISO 7899-2)	Water, bottled water
903(1,2,4,5,6,	Enumeration of culturable microorganisms – Colony count by inoculation in or on a nutrient agar culture medium at: a) 36 °C, b) 22 °C	SOP OV 908 (ČSN EN ISO 6222)	Water, bottled water
904(1,2,5,6)	Detection and enumeration of *Pseudomonas aeruginosa* – Membrane filtration method	SOP OV 909 (ČSN EN ISO 16266)	Water, bottled water, purified water(2)
905(1,2,5,6)	Detection and enumeration of *Staphylococcus aureus* – Membrane filtration method	SOP OV 911 (ČSN EN ISO 6888-1)	Water, bottled water
906(1,2,5,6)	Detection and enumeration of *Legionella spp.* by culture	SOP OV 913 (ČSN EN ISO 11731)	Water, bottled water
907(4)	Detection of Legionella by culture	SOP OV 913.01 (ČSN EN ISO 11731)	Water, bottled water
908(1,5,6)	Enumeration of sulfite-reducing clostridia – Membrane filtration method	SOP OV 914 (ČSN EN 26461-2)	Water, bottled water
909(1,2,5,6)	Determination of microscopic image	SOP OV 916 (ČSN 75 7712, ČSN 75 7713, ČSN 75 7717)	Drinking water (Bottled, surface, bathing, ground water)(1,5,6)
910(1,2,5,6)	Detection of *Salmonella* spp. by culture	SOP OV 921 (ČSN ISO 19250)	Water, bottled water
911(1,5,6)	Enumeration of *Clostridium perfringens* – Membrane filtration method	SOP OV 914.01 (Regulation No. 252/2004 Coll., Annex 6)	Water
912(1,2,5,6)	Microbiological tests of non-sterile products - by culture	SOP OV 930 (ČL, article A, part 2.6.12, 2.6.13, 9.4:0008, 7.0:1167)	Purified water Non-sterile products(1,2,6)
913(2)	Detection of bacterial endotoxins by LAL test	SOP OV 931 (ČL, part 2.6.14)	Purified water
914(1,2,5,6)	Determination of *Clostridium perfringens* – membrane filtration method	SOP OV 914.03 (ČSN EN ISO 14189)	Water
915(1,2,5,6)	Detection and enumeration of coliform bacteria and *Escherichia coli* by Colilert Quanti-Tray method	SOP OV 936 (ČSN EN ISO 9308-2)	Water
916-929	Reserved		
930(1,2,5,6)	Enumeration of coliforms by culture method	SOP OV 901 (ČSN ISO 4832)	Foodstuffs
931(1,2,5,6)	Enumeration of *Escherichia coli* by culture	SOP OV 902 (ČSN ISO 16649-1, ČSN ISO 16649-2, ČSN EN ISO 16649-3)	Foodstuffs
932(5,6)	Detection and enumeration of *Pseudomonas aeruginosa* by culture method	SOP OV 910 (ČSN EN ISO 16266)	Foodstuffs
933(1,2,5,6)	Enumeration of coagulase-positive staphylococci by culture	SOP OV 912 (ČSN EN ISO 6888-1)	Foodstuffs

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Partyzánské náměstí 2633/7, Moravská Ostrava, 702 00 Ostrava

Ordinal number [1)]	Test procedure/ method name	Test procedure/ method identification	Tested object
934(1,2,5,6)	Enumeration of *Clostridium perfringens* by culture method	SOP OV 915 (ČSN EN ISO 7937)	Foodstuffs
935(1,2,5,6)	Enumeration of total microorganisms by culture method	SOP OV 917 (ČSN EN ISO 4833-1, ČSN EN ISO 4833-2 Annex A)	Foodstuffs
936(1,2,5,6)	Enumeration of yeasts and moulds by culture	SOP OV 918 (ČSN ISO 21527-1, ČSN ISO 21527-2)	Foodstuffs
937(1,6)	Enumeration of potentially toxinogenic moulds by culture	SOP OV 918.01 (AHEM 1/2003)	Foodstuffs
938(1,2,5,6)	Detection and enumeration of *Enterobacteriaceae* by culture	SOP OV 919 (ČSN EN ISO 21528-1, ČSN EN ISO 21528-2)	Foodstuffs
939(1,2,5,6)	Detection of *Salmonella* by culture	SOP OV 920 (ČSN EN ISO 6579-1)	Foodstuffs
940(1,2,5,6,7)	Detection and enumeration of *Listeria monocytogenes* by culture	SOP OV 923 (ČSN EN ISO 11290-1, ČSN EN ISO 11290-2)	Foodstuffs
941(1,2,6)	Detection and enumeration of *Campylobacter* by culture	SOP OV 924 (ČSN EN ISO 10272-1, ČSN EN ISO 10272-2)	Foodstuffs
942(1,2,5,6)	Enumeration of presumptive *Bacillus cereus* by culture	SOP OV 925 ČSN EN ISO 7932)	Foodstuffs
943-959	Reserved		
960(1,2,5,6)	Detection and enumeration of thermotolerant coliform bacteria and *Escherichia coli* by culture	SOP OV 904 (AHEM 1/2008)	Solid samples, waste
961(1,2,5,6)	Detection and enumeration of enterococci by culture	SOP OV 907 (AHEM 1/2008)	Solid samples, waste
962(1,2,5,6)	Detection of Salmonella by culture	SOP OV 922 (AHEM 1/2008)	Solid samples, waste
963(4)	Detection of Legionella by culture	SOP OV 913.06 (ČSN ISO 11731)	Solid samples
964(1,6)	Enumeration of geohelmint eggs (acc. to Červa)	SOP OV 1001 (AHEM 1/1986)	Solid samples
965-979	Reserved		
980(1,5,6)	Determination of microbial contamination by culture	SOP OV 927 (ČSN 56 0100:1970)	Areas, surfaces of objects, packaging material, PBU
981(1,2,5,6)	Determination of microbial contamination by culture	SOP OV 928 (AHEM 1/2002)	Air, pressure gases(1)
982(5,6)	Determination of microbial contamination by culture	SOP OV 929.01 (AHEM 7/1992)	Sterile and unsterile products, areas
983(4)	Detection of Legionella by culture	SOP OV 913.05 (ČSN EN ISO 11731)	Smears
984(1,2,5,6)	Sterility test by culture	SOP OV 929 (ČL, part 2.6.1)	Sterile products
985	Reserved		
986(1,6)	Enumeration and detection of aerobic mesophilic bacteria by culture method	SOP OV 983 (ČSN EN ISO 21149)	PBU
987(1,6)	Detection of *Pseudomonas aeruginosa* by culture method	SOP OV 984 (ČSN EN ISO 22717)	PBU

The Appendix is an integral part of
Certificate of Accreditation No. 129/2019 of 21. 3. 2019

Accredited entity according to ČSN EN ISO/IEC 17025:2005:

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Ordinal number [1)]	Test procedure/ method name	Test procedure/ method identification	Tested object
988(1,6)	Detection of *Staphylococcus aureus* by culture method	SOP OV 985 (ČSN EN ISO 22718)	PBU
989(1,6)	Detection of *Candida albicans* by culture method	SOP OV 986 (ČSN EN ISO 18416)	PBU
990(1,2,5,6)	Examination of biological indicators by culture	SOP OV 933 (AHEM 1/2014)	Biological indicators
991(1,2,5,6)	Verification of efficiency of sterilizers by chemical tests	SOP OV 933.01 (ČSN EN ISO 11140-1, ČSN EN ISO 11140-3, ČSN EN ISO 11140-4)	Sterilizers
992 1,(2,5,6)	Verification of efficiency of cleaning and disinfecting agents by chemical tests	SOP OV 933.02 (ČSN EN ISO 15883-1, ČSN EN ISO 15883-2, ČSN EN ISO 15883-4 ed.2)	Cleaning and disinfecting agents
993 (1,6)	Detection of *Escherichia coli* by culture	SOP OV 988 (ČSN EN ISO 21150)	PBU
994-999	Reserved		

Superscript at the test ordinal number identifies the number of the Working Site (1-6) or Contact and Sampling Point (K1-K12) carrying out the test (Working Sites and Contact and Sampling Points are identified on the first page of this document).
[1)] The laboratory performs tests outside its premises; these tests are identified by asterisk at the ordinal number.
[2)] The sample is analyzed by a subcontracted accredited testing laboratory. AZL 1393 subsequently issues a report with results calculated according to the sampled volume. These tests are identified by two asterisks.
* Asterisk at the Test procedure/method name identifies the tests for which the range of determination for the individual working places is specified at the end of this Appendix.
** Asterisks at the Test procedure/method identification identify the tests where implementing regulations are specified at the end of this Appendix.
The working place index at the test object identifies the working place analysing the test object. Test objects without index are analysed by all Working Places indicated at the ordinal number of the test.

The legal regulations are always referenced "as amended".

Explanations of used terms

Water	Drinking, hot, surface, ground, bathing, waste and process water
Purified water	Aqua purificata, diluting water for haemodialysis, water for sterilizers
Extracts	Aqueous extracts of wastes and solid samples, extracts of materials (according to MoH Regulation No. 409/2005 Coll. as amended, according to MoH Regulation No. 38/2001 Coll. as amended, according to MoH Regulation No. 84/2001 Coll. as amended by MoH Regulation 521/2005 Coll., Commission Regulation (EU) No. 10/2011 as amended, AHEM 3/2000)
Extracts of materials	Extracts of materials (according to MoH Regulation No. 409/2005 Coll. as amended, according to MoH Regulation No. 38/2001 Coll. as amended, according to MoH Regulation No. 84/2001 Coll. as amended by MoH Regulation 521/2005 Coll., Commission Regulation (EU) No. 10/2011 as amended, AHEM 3/2000)
Waste	Solid and liquid waste, biodegradable waste
Solid samples	Soils, sands, sediments, sludge
Air	Outdoor air, indoor air, working air
Materials	Consumer goods (PBU), materials for contact with water and for water treatment, materials for contact with skin, medical devices (according to MoH Regulation No. 409/2005 Coll. as amended, according to MoH Regulation No. 38/2001 Coll. as amended, according to MoH Regulation No. 84/2001 Coll. as amended by MoH Regulation 521/2005 Coll., Regulation (EC) No 1223/2009 of the European Parliament and of the Council as amended, Commission Regulation (EU) No. 10/2011 as amended, AHEM 3/2000)

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PBU	Toys, materials for contact with foodstuffs, cosmetic products, products for children up to three years, products coming into direct contact with human organism (through skin or mucous membranes)
Non-sterile products	Gauze and dressings, medical preparations, medical material
Sterile products	Sterile water, medical devices
Emissions	Waste gas containing pollutants released in a controlled manner or leaking into atmosphere from pollution sources (the object of the test is an emission sample on a filter, sorbed in an absorption solution and/or in a solid sorbent, according to the nature of the substance)
Soil air	Gas containing pollutants accumulated in soil pores
Pressure gas	Natural or synthetic mixture of gases distributed by a pipeline system or in pressure cylinders
Building materials	E.g. insulation materials, boards, roofing, plaster, chipboard, piping, building boards, fabrics
Clean room	Room designed and used in a way minimizing the introduction, generation and retention of particles, and where also other relevant parameters, e.g. temperature, humidity and pressure, are being monitored as needed.
Clean zone	Dedicated area designed and used in a way minimizing the introduction, generation and retention of particles, and where also other relevant parameters, e.g. temperature, humidity and pressure, are being monitored as needed. These zones can be open or closed, and they may or may not be located in clean rooms.
Water colloidal systems	Colloidal systems are systems, in which one substance - the dispersed phase - is finely dispersed in a second substance - dispersion environment (water). The dispersed phase contains particles in the size range from 1 nm to 1000 nm.

List of used abbreviations:

SOP	Standard operating procedure
VZ	Sampling
OV	Ostrava
ČL	Czech Pharmacopoeia
AHEM	Acta Hygienica, Epidemiologica et Microbiologica
DIN	Deutscher Institut fuer Normung
ISO	International Organization for Standardisation
VDI	VEREIN DEUTSCHER INGENIEURE
TNV	Branch Technical Standard of Water Management
NIOSH	National Institute for Occupation Safety and Health
EPA	Environmental Protection Agency
AOAC	Association of Official Analytical Chemists
VYR	Instructions for good manufacturing practice
JPP ÚKZÚZ	Uniform working procedures of the Central Institute for Supervising and Testing in Agriculture
HP	Hygienic regulations
GR	Government Regulation
MoH / MoA	Ministry of Health / Ministry of Agriculture
DGT	Diffusive Gradients Technique
DAD	Diode Array Detector
ECD	Electron Capture Detector
MS	Mass spectrometry
MSD	Mass Spectrometry Detector
FLUD	Fluorescence Detector

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RID	Refractometric Detector
ISE	Ion Selective Electrode
UV	Ultraviolet Region
AAS	Atomic Absorption Spectrometry
ICP-MS	Inductively Coupled Plasma – Mass Spectrometry
ICP-OES	Inductively Coupled Plasma – Optical Emission Spectrometry
RTG	X-ray fluorescence analysis
FASFC	Federal Agency for the Safety of the Food Chain
SEM	Scanning Electron Microscopy
EDS	Energy Dispersive Spectrometry
spICPMS	Single Particle Inductively Coupled Plasma Mass Spectrometry. Method working on the principle of ICPMS with very fast signal reading, which enables to differentiate between the signals of nanoparticles (M0) and dissociated ions (M+).

Annex:
Flexible scope of accreditation

Ordinal numbers of tests
4, 5, 29, 34, 42, 59-75, 78,79, 80, 200, 201, 203, 204, 206, 250-253, 256, 302, 303, 306, 308, 310, 315, 317, 319, 323, 408 - 421, 500, 501-504, 506, 509, 510, 513, 514, 521-523, 529, 530, 533-537, 543-547, 549-551, 554, 555, 558, 562, 564, 601, 602, 604, 605, 609, 617, 624, 700, 711, 714, 803, 911-913, 937, 960-962, 964, 981, 982, 984, 990

The Laboratory is allowed to modify the test methods listed in the Annex within the specified scope of accreditation provided the measuring principle is observed.

The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

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Sampling

Ordinal number	Sampling procedure name	Sampling procedure identification	Sampled object
1 (1,2,3,5,6) (K2-5,K7-12)	Drinking water sampling	SOP VZ OV 001 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-5, ČSN EN ISO 5667-14, ČSN EN ISO 19458)	Drinking and hot water
2 (1,2,3,5,6) (K2-5,K7-12)	Bathing water sampling	SOP VZ OV 002 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-4, ČSN EN ISO 5667-6, ČSN EN ISO 5667-14, ČSN EN ISO 19458, ČSN 75 7717, MoH Regulation No. 238/2011 Coll.)	Bathing water
3 (2,3,5,6) (K3-5, K7-11)	Ground water sampling - manual or using a pump (3,5,6,K11)	SOP VZ OV 003 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-11, ČSN EN ISO 5667-14)	Ground water
4 (1,2,3,5,6) (K3-5, K7-11)	Taking samples from water reservoirs, rivers and streams	SOP VZ OV 005 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-4, ČSN EN ISO 5667-6, ČSN EN ISO 5667-14, ČSN EN ISO 19458)	Surface water
5 (1,2,3,5,6) (K2-5,K7-12)	Waste water sampling – manual and by automatic sampler (2,3,5,6,K11)	SOP VZ OV 006 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-10, ČSN EN ISO 5667-14, ČSN 75 7315)	Waste water
6 (1,2,3,6) (K2,3,4, K7-12)	Purified water sampling	SOP VZ OV 008 (MoH Regulation No. 84/2008 Coll.)	Purified water
7	Reserved		
8(4)	Water sampling for Legionella	SOP VZ OV 009 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN EN ISO 5667-14, ČSN EN ISO 11731, ČSN 060320)	Drinking, hot, surface, bathing, ground and process water
9 (1,2,4,5,6) (K3)	Sampling of swabs for Legionella	SOP VZ OV 012 (EU Guidelines 2005, ČSN EN ISO 11731)	Smears
10 (6, K7-10)	Sampling of process water	SOP VZ OV 011 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-7, ČSN EN ISO 5667-14, ČSN EN ISO 19458)	Process water
11-19	Reserved		

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Ordinal number	Sampling procedure name	Sampling procedure identification	Sampled object
20 (1,2,3,5,6) (K3,5,6,8)	Taking samples of outdoor, indoor air and pressure gases on a solid sorbent (filter, filter and BUF, sorption tube)	SOP VZ OV 109 (Act No. 201/2012 Coll. on air protection, ČSN EN 12341, ČSN EN ISO 16000-7, Regulation No. 330/2012 Coll.)	Outdoor, indoor air, pressure gases(2)
21 (1,2,3) (K1,3,5,6,8)	Taking samples of outdoor and indoor air in a liquid (sorption solution, sedimentation tank, denuder)	SOP VZ OV 109.01 (Act No. 201/2012 Coll. on air protection)	Outdoor air, indoor air
22 (1,2,3,5,6) (K3,6)	Taking samples of outdoor and indoor air in canisters and bags	SOP VZ OV 109.02 (Act No. 201/2012 Coll. on air protection)	Outdoor air, indoor air
23 (1,2,5,6) (K3,5,7-10)	Taking samples of outdoor and indoor air on a culture medium	SOP VZ OV 109.03 (MoH Regulation No. 6/2003)	Outdoor air, indoor air
24 (1,2,3,5,6) (K1,3-6,K8)	Taking samples of working air on a solid sorbent (filter, filter and BUF, filter and sorbent, sorption tube)	SOP VZ OV 110 (ČSN EN 482+A1, ČSN EN 689, Government Regulation No.361/2007 Coll.)	Working air
25 (1,2,3,5,6) (K1,3,5,6,K8)	Taking samples of working air in a liquid (frit absorbers with absorption solution)	SOP VZ OV 110.01 (ČSN EN 482+A1, ČSN EN 689, Government Regulation No.361/2007 Coll.)	Working air
26 (1,3) (K1,K3,K6)	Taking samples of working air in canisters	SOP VZ OV 110.02 (ČSN 482+A1, ČSN EN 689, Government Regulation No. 361/2007 Coll.)	Working air
27 (1,3)	Sampling of pressure gases for culture soils	SOP VZ OV 217 (Manual MAS-100 CG Ex fy MBV, A.G.)	Pressure gases
28-49	Reserved		
50 (1,2,3,5,6) (K3-5,7-11)	Waste sampling	SOP VZ OV 201 (**)	Waste
51 (1,2,3,5,6) (K3-5,7-11)	Sampling of sand from sandboxes and outdoor playgrounds	SOP VZ OV 204 (**)	Sand
52 (1,2,3,5,6) (K3-5,7-11)	Sampling of solid samples	SOP VZ OV 218 (**)	Solid samples
53-69	Reserved		
70 (1,5,6) (K5,7-11)	Sampling of food for microbiological sampling	SOP VZ OV 200 (ČSN P CEN ISO/TS 17728)	Foodstuffs
71 (1,2,3,5,6) (K3-5,7-11)	Sampling of areas and object surfaces for the determination of microbial contamination	SOP VZ OV 206 (ČSN ISO 18593)	Areas and surfaces, skin
72 (1,2,3,5,6) (K2-5,7-11)	Sampling by biological and non-biological systems to determine the sterilization efficiency of sterilizers	SOP VZ OV 213 (AHEM 2/1994)	Sterilizers
73 (5,6) (K5,7-10)	Taking of samples and smears for the determination of microbial contamination	SOP VZ OV 214 (AHEM 7/1992)	Areas and surfaces, sterile and unsterile products
74-99	Reserved		

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Superscript at the sampling ordinal number identifies the number of the Working Site (1-6) or Contact and Sampling Point (K1-K12) carrying out the sampling (Working Sites and Contact and Sampling Points are identified on the first page of this document).
The working place index at the sampled object identifies the working place taking the sample. Sampling objects without index are sampled by all Working Places and Contact and Sampling Points indicated at the ordinal number.
** Asterisks at the Sampling procedure/method identification identify the tests where implementing regulations are specified at the end of this Annex.

Range of determined parameters:

Ord. no.	Test procedure/method name – Range of parameters
$4^{(1,2,5,6)}$	**Working place 1:** Fluorides, chlorides, nitrites, nitrates, phosphates, sulphates, bromates, chlorites, chlorates and nitrite nitrogen, nitrate nitrogen, phosphorus pentoxide (P2O5) by calculation of measured values. **Working place 2**: Fluorides, chlorides, nitrites, nitrates, phosphates, sulphates, bromates, chlorites, chlorates and nitrate nitrogen, phosphorus pentoxide (P_2O_5) by calculation of measured values. **Working place 5**: Fluorides, chlorides, nitrites, nitrates, phosphates, sulphates, bromides, bromates, chlorites, chlorates, nitrite nitrogen, nitrate nitrogen, phosphorus pentoxide (P2O5) by calculation of measured values **Working place 6:** Fluorides, chlorides, nitrites, nitrates, phosphates, sulphates, bromates, chlorites, chlorates and nitrite nitrogen, nitrate nitrogen, phosphorus pentoxide (P_2O_5) by calculation of measured values.
$5^{(1,6)}$	Fluorides, chlorides, nitrates, phosphates, sulphates and HF (hydrogen fluoride), HCl (hydrogen chloride, hydrochloric acid), HNO_3 (nitric acid), H_3PO_4 (phosphoric acid), H_2SO_4 (sulphuric acid), SO_3 (sulphur trioxide) by calculation from measured values.
$29^{*(1,2,3,5,6)}$ (K2-5, K7-12)	Appearance (turbidity, suspended solids, sediment, floating substances, foam, surface film layer, water-bloom, waste contamination, natural contamination), transparency.
$72^{(2,6)}$	**Working place 2:** Chloride, sulphate, nitrate, oxidable substances, ammonium, calcium and magnesium, acid-reacting substances, basic-reacting substances. **Working place 6:** Chloride, sulphate
$75^{(2,6)}$	**Working place 2**: Ammonia (NH_3), formaldehyde (HCHO), nitrogen oxide (NO_x), sulfane (H_2S), ozone (O_3), sulphur dioxide (SO_2), phenol (C_6H_5OH) **Working place 6**: Ammonia (NH_3), formaldehyde (HCHO), nitrogen oxides (NO_x), sulphur dioxide (SO_2),
$76^{(5)}$	Chlorides, sulphates, nitrates, fluorides and nitrate nitrogen, inorganic nitrogen by calculation from measured values.
$253^{(2)}$	Opalescence, ammonium, sulphide and hydrogen sulphide, hyposulphite, primary and aromatic amine, Ba
$302^{(2,5)}$	Determination of appearance and consistency, olfactoric determination, and gustatoric determination
$317^{(2)}$	**Oil seeds:** Mineral impurities, coarse impurities, impurities, foreign matter, total foreign matter and impurities, seeds infected by pests, heavily damaged seeds, seeds of henbane, immature rust coloured seeds, dark or black seeds that didn't take on their colour, blue seeds, white seeds or mix coloured seeds, content of impurities in the original sample, content of harmful impurities. Harmful impurities: **Henbane**(Hyoscyamus niger), **Scentless mayweed** (Tripleurospermum inodorum), **Loose Silky-bent**(Apera spica – venti), **Corkspur grass** (Echinichloa crus – galli), **Sheperd's purse** (Capsella bursa – pastoris), **Common Hemp-nettle** (Galeopsis tetrahit), **Red-root amaranth** (Amaranthus retroflexus), **White goosefoot** (Chenopodium album), **Common wild oat** (Avena fatua), **Field Pennz-cress** (Thlaspi arvense), **Potato weed** (Galinsoga parviflora), **Creeping thistle** (Cirsium arvense), **Couch grass** (Elytrigia repens), **Wilow weed** (Persicaria lapathifolia), **Green field-speedwell** (Veronica agrestis), **Wild radish,** (Raphanus raphanistrum), **Goosegrass** (Galium sarine), **Curly Dock** (Rumex crispus), **Broad-leaved Dock** (Rumex obtusifolius), **Earth smoke** (Fumaria officinalis). **Pulses:** Mass of grains of different colour, mesh fraction, total impurities, mineral impurities, severely damaged grains, fly grains, lightly damaged grains, grains eaten by pests, fragments. **Cereal mill products:** Cereals: content of crumpled grains, content of blades, glumes and pericarp, black cereals Coarse crushed grains: content of uncrushed grains Groats: content of partially abraded or unabraded grains, glume and bran content, mineral impurities Millet, buckwheat: mineral impurities, content of foreign grains and brans, content of unpeeled grains and fragment Cereals for direct consumption: foreign matter, mineral impurities, fragments Rice: organic impurities, mineral impurities, total foreign matter, unpeeled grains, crushed rice **Spices:** Organic foreign matter – natural, organic foreign matter – introduced, inorganic foreign matter
$319^{(1,6)}$	**Working place 1:** dry matter, moisture content (water content), energy value **Working place 6:** dry matter, moisture content (water content)

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Ord. no.	Test procedure/method name – Range of parameters
408(1,5)	**Working place 1:** Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr_{total},Cu, Fe, I, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Si, Sn, Sr, Ti, Tl, U, V, W, Zn and silicate, SiO_2, P_2O_5 and hardness (Ca+Mg, $CaCO_3$) by calculation from measured values. Water colloidal systems - Ag, Au, Cu, Mg, Zn, Si, Pt, Ir, Ti and ZnO, SiO2 and TiO2 by calculation from measured values Sea water – Tl, Be **Working place 5:** Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr_{total}, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Si, Sn, Sr, Ti, Tl, U, V, W, Zn and silicate, SiO_2, P_2O_5, and hardness (Ca+Mg, $CaCO_3$) by calculation from measured values
6)	**Working place 6:** Al, As, B, Ba, Be, Ca, Cd, Co, Cr_{total},Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Si, Sn, U, V, Zn and hardness (Ca+Mg, $CaCO_3$) by calculation from measured values
409(1,6)	**Working place 1:** As, Ba, Be, Cd, Co, Cu, Cr_{total}, Fe, Mn, Mo, Ni, Pb, Sb, Se, Sn, Sr, Tl , Zn **Working place 6:** As, Ba, Be, Ca, Cd, Co, Cr, Cu, K, Mo, Mg, Ni, Pb, V, Zn
410(1,6)	**Working place 1:** Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cu, Cr_{total}, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Sr, Ti, Tl ,V, W, Zn and CaO, MgO, KOH, NaOH by calculation from measured values **Working place 6:** Pb, Cr, Ni and Zn
411(1)	Ag, Al, As, Ba, Be, Cd, Co, Cu, Cr_{total}, Fe, I, Li, Mn, Mo, Ni, Pb, Sb, Se, Sn, Ti, Tl, Zn
412(1)	Al, As, B, Ba, Be, Ca, Cd, Co, Cu, Cr_{total}, Fe, I, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Sn, Sr, V, Zn, P_2O_5 and NaCl by calculation from measured values
413 (1)	Ag, Al, As, Ba, Bi, Ca, Cd, Co, Cu, Cr_{total}, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Si, Sn, Sr, Ti, Tl, V, Zn and K_2O, P_2O_5 , SiO_2, silicate and hardness (Ca+Mg, $CaCO_3$) by calculation from measured values Sea water – Si, Ti and SiO_2 by calculation from measured values
414 (1)	Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cu, Cr_{total}, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Sn, Sr, Ti, Tl, V, Zn and K_2O, P_2O_5, CaO, MgO by calculation from measured values
415 (1)	Ba, Be, Ca, Cd, Cu, Cr_{total}, K, Mg, Mn, Na, Ni, Pb, Ti, V, Zn and CaO, MgO, KOH, NaOH by calculation from measured values
416 (1)	Li, Mg, Zn
417 (1)	Al, Ba, Ca, Cu, Fe, K, Mg, Mn, Na, P, Sn, Sr, Zn and P_2O_5 and NaCl by calculation from measured values
418 (1)	Waste, solid samples, materials: Al, As, Ba, Ca, Cd, Cr_{total}, Cu, Fe, Hg, K, Mg, Mn, Ni, Pb, Sb, Se, Si, Sn, Ti, Tl, U, V, Zn and MgO, Al_2O_3, SiO_2, K_2O, CaO, TiO_2, MnO, Fe_2O_3 , $CaCO_3$, $MgCO_3$ by calculation from measured values. Air: V, Cr, Mn, Fe, Ni, Cu, Zn, As, Cd, Pb.
420 (1)	Ag, Au, Cu, Mg, Zn, Si, Pt, Ir, Ti, SiO_2, TiO_2
501(3)	Acesulfam, saccharine, aspartame, caffeine, sorbic acid, benzoic acid, p- hydroxybenzoic acid, 2-phenoxyethanol, 1-fenoxy-2-propanol, methyl-, ethyl- propyl-, butyl-, isobutyl- and benzylester of hydroxybenzoic acid
504(3)	Formaldehyde, acetaldehyde, acetone, acroleine, propionaldehyde, crotonaldehyde, butyraldehyde, benzaldehyde,valeraldehyde, m-tolualdehyde, hexaldehyde, methylethyl ketone, methacroleine
505(1,5)	**Working place 1:** AOX, EOX, TX, halogenides **Working place 5:** AOX
509(5)	Toluene- 2,6-diisocyanate, toluene-2,4-diisocyanate, 1,6-hexamethylendiisocyanate, 4,4′-methylenbisphenyldiisocyanate
510(5)	dimethylphthalate, diethyphthalate, di-n-butylphthalate, benzylbutylphthalate, bis(2-etylhexyl)phthalate, (di(2-ethylhexyl)phthalate, DEHP), di-n-octylphthalate, di-isodecylphthalate, di-isononylphthalate, n-octyl-n-decylphthalate, di-n-decylphthalate
514(3)	EDTA, NTA, PDTA
521(5)	Butyric acid (c4:0), capronic acid (c6:0), caprylic acid (c8:0), caprynic acid (c10:0), undecanoic acid (c11:0), lauric acid (c12:0), tridecanoic acid (c13:0), myristic acid (c14:0) , myristoleic acid (c14:1), pentadecanoic acid (c15:0), cis-10-pentadecenoic acid (c15:1) , palmitic acid (c16:0), palmitoleic acid (c16:1), heptadecanoic acid (c17:0), cis-10-heptadecenoic acid (c17:1) , stearic acid (c18:0), elaidic acid (c18:1n9t), oleic acid (c18:1n9c), linolelaidic acid (c18:2n6t), linolic acid (c18:2n6c), arachic acid (c20:0), gamma-linolenic acid (c18:3n6), cis-11-eicosanoic acid (c20:1) gondoic, alpha-linolenic acid (c18:3n3), heneicosanoic acid (c21:0), cis-11,14-eicosadienoic acid (c20:2), behenic acid (c22:0), cis-8,11,14-eicosatrienoic acid (c20:3n6), erucic acid (C22:1n9), cis-11,14,17-eicosatrienoic acid (c20:3n3), arachidonic acid (c20:4n6), tricosanoic acid (c23:0), cis-13,16-docosadienoic acid (c22:2), lignoceric acid (c24:0), cis-5,8,11,14,17-eicosapentaenoic acid (c20:5n3), nervonic acid (c24:1), cis-4,7,10,13,16,19-docosahexaenoic acid (c22:6n3).
522(3)	Metylhippuric acids (o, m and p), pyromucic acid, PAH metabolites (1-hydroxypyrene)
523(3,5)	**Working place 3:** methanol, 2-propanol (isopropanol) **Working place 5:** Methanol, acetaldehyde, 1-propanol, ethyl acetate, 2-methyl-1-propanol, 1-butanol, 2-methyl-1-butanol, 3-methyl-1-butanol, furfural, 2-propanol (isopropanol)

Accredited entity according to ČSN EN ISO/IEC 17025:2005:

Zdravotní ústav se sídlem v Ostravě
Hygienic Laboratories Centre
Partyzánské náměstí 2633/7, Moravská Ostrava, 702 00 Ostrava

Ord. no.	Test procedure/method name – Range of parameters
529(3,5,6)	**Working place 3:** alphaHCH, betaHCH, gammaHCH (lindane), delta HCH, HCB (hexachlorobenzene), Aldrin, Dieldrin, Endrin, Heptachlor, trans-Chlordan, cis-Chlordan, Nonachlor, Metoxychlor, opDDT, ppDDT, opDDD, ppDDD, opDDE, ppDDE, Endosulfane I (alpha) and II (beta), trans-Heptachloroepoxide, cis-Heptachloroepoxide, Isodrin, Trifluralin, Pentachlorobenzene **Working place 5:** alphaHCH, betaHCH, gammaHCH (lindane), deltaHCH, epsilonHCH, HCB (hexachlorobenzene), Aldrin, Dieldrin, Endrin, Endrinaldehyde, Heptachlor, ppDDD, ppDDE, ppDDT, opDDT,opDDE,opDDT, Endosulfane I (alpha) and II (beta), Endosulfansulfate, Heptachloroepoxide (cis, trans), Isodrin, Methoxychlor, Mirex, Oxychlordan, Trifluralin, cis-Chlordan, trans-Chlordan **Working place 6:** gammaHCH (lindane), HCB (hexachlorobenzene), Aldrin, Dieldrin, Endrin, Heptachlor, Methoxychlor, Heptachloroepoxide, Endosulfan I (alpha) and II (beta), ppDDE, ppDDD, opDDT, ppDDT
530(3,6)	**Working place 3:** alphaHCH, betaHCH, gammaHCH (lindane), delta HCH, HCB, Aldrin, Dieldrin, Endrin, Heptachlor, trans-Chlordan, cis-Chlordan, Methoxychlor, opDDT, ppDDT, opDDD, ppDDD, opDDE, ppDDE, trans-Heptachloroepoxide, Isodrin, cis-Heptachloroepoxide, Pentachlorobenzene. **Working place 6:** gammaHCH (lindane), HCB (hexachlorobenzene), Aldrin, Dieldrin, Endrin, Heptachlor, Methoxychlor, Heptachloroepoxide, Endosulfan I (alpha) and II (beta), ppDDE, ppDDD, opDDT, ppDDT
533(3,5,6)	**Working place 3 and 6**: Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Dibenzo(ah)anthracene, Phenanthrene, Fluoranthene, Fluorene, Chrysene, Indeno(1,2,3-cd)pyrene, Naphthalene, Pyrene **Working place 5:** Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(ghi)perylene, Indeno(1,2,3-cd)pyrene
534(3,6)	Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Dibenzo(ah)anthracene, Phenanthrene, Fluoranthene, Fluorene, Chrysene, Indeno(1,2,3-cd)pyrene, Naphthalene, Pyrene
535(3,6)	**Working place 3**: Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Dibenzo(ah)anthracene, Phenanthrene, Fluoranthene, Fluorene, Chrysene, Indeno(1,2,3-cd)pyrene, Naphthalene, Pyrene, Benzo(j)fluoranthene **Working place 6**: Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(a)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene, Indeno(1,2,3-cd)pyrene, Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Benzo(j)fluoranthene.
536(3)	Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Dibenzo(ah)anthracene, Phenanthrene, Fluoranthene, Chrysene, Indeno(1,2,3-cd)pyrene, Pyrene
537(5)	Naphthalene, Acenaphthylene, Fluorene, Phenanthrene, Anthracene, Carbazole, Fluoranthene, Pyrene, Chrysene, Benzo(a)anthracene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(ah)anthracene, Benzo(ghi)perylene.
543(3,5,6)	PCB 28, 52, 101, 118, 138, 153, 180
544(3,6)	PCB 28, 52, 101, 118, 138, 153, 180
545(3)	Sorbitol, mannitol, inulin, fructose, glucose, saccharose
546(3)	E 102-tartrazine, E 104- quinoline yellow, E 110 – yellow SY,E 122- azorubine, E 123- amarant,E 124- ponceau 4R,E 127- eryhthrosine, E 131- patent blue, E132-indigotine, E 133- brillant blue FCF,E 151- black BN, E 129- allure red AC

Accredited entity according to ČSN EN ISO/IEC 17025:2005:

Zdravotní ústav se sídlem v Ostravě

Hygienic Laboratories Centre

Partyzánské náměstí 2633/7, Moravská Ostrava, 702 00 Ostrava

Ord. no.	Test procedure/method name – Range of parameters
547(3,5,6)	**Working place 3**: 1,1-Dichloroethylene (1,1-DCE) , Dichloromethane (DCM), trans-1,2-Dichloroethylene (1,2-DCE trans), 1,1-Dichloroethane (1,1-DCA), 2,2-Dichloropropane (2,2-DCPA), cis-1,2-Dichloroethylene (1,2-DCE cis), trichloromethane (chloroform), bromochloromethane, 1,1,1-Trichloroethane (1,1,1-TCA), 1,1-Dichloropropene (1,1-DCPE), tetrachloromethane, 1,2-Dichloroethane (1,2-DCA), benzene, trichloroethylene (TCE), 1,2-Dichloropropane (1,2-DCPA), dichlorobromomethane, dibromomethane, cis-1,3-Dichloropropene (1,3-DCPE cis), trans-1,3-Dichloropropene (1,3-DCPE trans), toluene, 1,1,2-Trichloroethane (1,1,2-TCA), 1,3-Dichloropropane (1,3-DCPA), 2-bromo-1-chloropropane, Tetrachloroethylene (PCE), dibromochloromethane, 1,2-dibromoethane, 1,1,1,2-Tetrachloroethane (1,1,1,2-TCA), chlorobenzene, ethylbenzene, m,p-xylene, o-xylene, styrene, isopropylbenzene, bromoform, 1,1,2,2-Tetrachlorooethane, 1,2,3-Trichloropropane (1,2,3-TCPA), propylbenzene, 1,3,5-trimethylbenzene (1,3,5-TMB), bromobenzene, 2-chlorotoluene, 4-chlorotoluene, terc-Butylbenzene, 1,2,4-Trimethylbenzene (1,2,4-TMB), 1,2,3-Trimethylbenzene (1,2,3-TMB), sek-Butylbenzene, p-Isopropyltoluene (p-cymen), 1,3-Dichlorobenzene (m-Dichlorobenzene), 1,4-Dichlorobenzene (p-Dichlorobenzene), 1,2-Dichlorobenzene (o –Dichlorobenzene), butylbenzene, 1,2-dibromo-3-chloropropane, 1,2,4-Trichloro benzene (1,2,4-TCB), Hexachlorobutadiene, naphthalene, 1,2,3 -Trichlorobenzene (1,2,3-TCB), vinylchlorid (chloroethylene), epichlorohydrin, nitrobenzene and the identification of volatile and semi-volatile organic compounds **Working place 5:** 1,1-Dichloroethylene (1,1-DCE) , Dichloromethane (DCM), trans-1,2-Dichloroethylene (1,2-DCE trans), 1,1-Dichloroethane (1,1-DCA), 2,2-Dichloropropane (2,2-DCPA), cis-1,2-Dichloroethylene (1,2-DCE cis), trichloromethane (chloroform), bromochloromethane, 1,1,1-Trichloroethane (1,1,1-TCA), 1,1-Dichloropropene (1,1-DCPE), tetrachloromethane, 1,2-Dichloroethane (1,2-DCA), benzene, trichloroethylene (TCE), 1,2-Dichloropropane (1,2-DCPA), dichlorobromomethane, dibromomethane, cis-1,3-Dichloropropene (1,3-DCPE cis), trans-1,3-Dichloropropene (1,3-DCPE trans), toluene, 1,1,2-Trichloroethane (1,1,2-TCA), 1,3-Dichloropropane (1,3-DCPA), Tetrachloroethylene (PCE), dibromochloromethane, 1,2-dibromoethane, 1,1,1,2-Tetrachloroethane (1,1,1,2-TCA), chlorobenzene, ethylbenzene, m,p-xylene, o-xylene, styrene, isopropylbenzene, bromoform, 1,1,2,2-Tetrachlorooethane, 1,2,3-Trichloropropane (1,2,3-TCPA), propylbenzene, 1,3,5-trimethylbenzene (1,3,5-TMB), bromobenzene, 2-chlorotoluene, 4-chlorotoluene, terc-Butylbenzene, 1,2,4-Trimethylbenzene (1,2,4-TMB), sek-Butylbenzene, p-Isopropyltoluene (p-cymen), 1,3-Dichlorobenzene (m-Dichlorobenzene), 1,4-Dichlorobenzene (p-Dichlorobenzene), 1,2-Dichlorobenzene (o –Dichlorobenzene), butylbenzene, 1,2-dibromo-3-chloropropane, 1,2,4-Trichloro benzene (1,2,4-TCB), Hexachlorobutadiene, naphthalene, 1,2,3 -Trichlorobenzene (1,2,3-TCB), vinylchlorid (chloroethylene) **Working place 6:** Dichloromethane (DCM), trans 1,2-Dichloroethylene (1,2-DCE trans), cis 1,2-Dichloroethylene (1,2-DCE cis), trichloromethane (chloroform), tetrachloromethane, benzene, 1,2-Dichloroethane (1,2-DCA), trichloroethylene (TCE), bromodichloromethane, toluene, Tetrachloroethylene (PCE), dibromochloromethane, chlorobenzene, etylbenzene, m-xylene, styrene, bromoform
549(3,5)	**Working place 3:** 1,1-Dichloroethylene (1,1-DCE) , Dichloromethane (DCM), trans-1,2-Dichloroethylene (1,2-DCE trans), 1,2-Dichloroethane (1,1-DCA), 2,2-Dichloropropane (2,2-DCPA), cis-Dichloroethylene (1,2-DCE cis), trichloromethane (chloroform), bromochloromethane, 1,1,1-Trichloroethane (1,1,1-TCA), 1,1-Dichloropropene (1,1-DCPE), tetrachloromethane, 1,2-Dichloroethane (1,2-DCA), benzene, trichloroethylene (TCE), 1,2-Dichloropropane (1,2-DCPA), dichlorobromomethane, dibromomethane, cis-1,3-Dichloropropene (1,3-DCPE cis), trans-1,3-Dichloropropene (1,3-DCPE trans), toluene, 1,1,2-Trichloroethane (1,1,2-TCA), 1,3-Dichloropropane (1,3-DCPA), 2-brom-1-chloropropane Tetrachloroethylene (PCE), dibromochloromethane, 1,2-dibromomethane, 1,1,1,2-Tetrachloroethane (1,1,1,2-TCA), chlorobenzene, ethylbenzene, m,p-xylene, o-xylene, styrene, isopropylbenzene, bromoform, 1,1,1,2-Tetrachlorooethane, 2,2-TCA 1,2,3-Trichloropropane (1,2,3-TCPA), propylbenzene, 1,3,5-trimethylbenzene (1,3,5-TMB), bromobenzene, 2-chlorotoluene, 4-chlorotoluene, terc-Butylbenzene, 1,2,4-Trimethylbenzene (1,2,4-TMB), 1,2,3-Trimethylbenzene (1,2,3-TMB), sek-Butylbenzene, p-Isopropyltoluene (p-cymen), 1,3-Dichlorobenzene (m-Dichlorobenzene), 1,4-Dichlorobenzene (p-Dichlorobenzene), butylbenzene, 1,2-Dichlorobenzene (o –Dichlorobenzene), 1,2-dibromo-3-chloropropane, 1,2,4-Trichloro benzene (1,2,4-TCB), Hexachlorobutadiene, naphthalene, 1,2,3 -Trichlorobenzene (1,2,3-TCB), vinylchlorid (chloroethylene) **Working place 5:** 1,1-Dichloroethylene (1,1-DCE) , Dichloromethane (DCM), trans-1,2-Dichloroethylene (1,2-DCE trans), 1,1-Dichloroethane (1,1-DCA), 2,2-Dichloropropane (2,2-DCPA), cis-1,2-Dichloroethylene (1,2-DCE cis), trichloromethane (chloroform), bromochloromethane, 1,1,1-Trichloroethane (1,1,1-TCA), 1,1-Dichloropropene (1,1-DCPE), tetrachloromethane, 1,2-Dichloroethane (1,2-DCA), benzene, trichloroethylene (TCE), 1,2-Dichloropropane (1,2-DCPA), dichlorobromomethane, dibromomethane, cis-1,3-Dichloropropene (1,3-DCPE cis), trans-1,3-Dichloropropene (1,3-DCPE trans), toluene, 1,1,2-Trichloroethane (1,1,2-TCA), 1,3-Dichloropropane (1,3-DCPA), Tetrachloroethylene (PCE), dibromochloromethane, 1,2-dibromoethane, 1,1,1,2-Tetrachloroethane (1,1,1,2-TCA), chlorobenzene, ethylbenzene, m,p-xylene, o-xylene, styrene, isopropylbenzene, bromoform, 1,1,2,2-Tetrachlorooethane, 1,2,3-Trichloropropane (1,2,3-TCPA), propylbenzene, 1,3,5-trimethylbenzene (1,3,5-TMB), bromobenzene, 2-chlorotoluene, 4-chlorotoluene, terc-Butylbenzene, 1,2,4-Trimethylbenzene (1,2,4-TMB), sek-Butylbenzene, p-Isopropyltoluene (p-cymen), 1,3-Dichlorobenzene (m-Dichlorobenzene), 1,4-Dichlorobenzene (p-Dichlorobenzene), 1,2-Dichlorobenzene (o –Dichlorobenzene), butylbenzene, 1,2-dibromo-3-chloropropane, 1,2,4-Trichloro benzene (1,2,4-TCB), Hexachlorobutadiene, naphthalene, 1,2,3 -Trichlorobenzene (1,2,3-TCB)
550(3)	Benzene, trichloroethylene (TCE), toluene, tetrachloroethylene (PCE), ethylbenzene, m,p-xylene, o-xylene, styrene and the identification of volatile and semi-volatile organic compounds
551(3,5,6)	**Working place 3:** 1,1,1-trichloroethane, 1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 1-methoxy-2-propanol, 2-methoxymethylethylacetate (1-mehoxy-2-propyl-acetate), 2-butanol, 2-butoxyethanol, 2-butoxyethyl-acetate, 2-ethoxyethanol, 2-ethoxyethyl-acetate, 2-methoxyethanol, 2-methoxyethyl-acetate, 4-hydroxy-4-methyl-2-pentanone, acetone, aniline, benzene,

Accredited entity according to ČSN EN ISO/IEC 17025:2005:

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Hygienic Laboratories Centre
Partyzánské náměstí 2633/7, Moravská Ostrava, 702 00 Ostrava

Ord. no.	Test procedure/method name – Range of parameters
	benzines, butyl-acrylate, cyclohexanone, dichloromethane, ethanol, ethyl-acetate, ethyl-acrylate, ethylbenzene, ethylenoxide, phenol, furfurylalcohol, 2-methyl-1-propanol (isobutanol), isobutyl-acetate, isopropanol, isopropylbenzene, cresols, acetic acid, methanol, methyl-acetate, methyl(ethyl)ketone (2-butanone), methyl-methacrylate, methylpentane, N,N-diethylaniline, n-butanol (1-butanol), n-butyl-acetate, N-ethylaniline, nitrobenzene, n-propanol, propyl-acetate, propylbenzene, styrene, tetrachloroethane, tetrachloromethane, toluene, trichloroethylene, trichloromethane (chloroform), xylenes (m,p-xylene, o-xylene), cyclohexane, cyclohexanol, epichlorohydrin, amyl-acetate, isoamyl-acetate, chloroethylene (vinylchlorid), 1,1,1,2-tetrachloroethane, 1,1,2-trichloroethane, 1,1-dichloroethane, 1,1-dichloroethylene, 1,2- dichloroethane, 1,2-dichlorobenzene, trans-1,2- dichloroethylene, cis-1,2- dichloroethylene, 1,3-dichlorobenzene, cis-1,3-dichloropropene, 1,4-dichlorobenzene, chlorobenzene, solvent naphtha, benzylalcohol, 1-butoxy-2-propanol, 2-(2-butoxyethoxy)ethanol, 1,2-ethandiol, 4-methyl-2-pentanone (isobutyl(methyl)ketone) , methyl- methoxyacetate, indene, pentane **Working place 5:** benzene, ethylbenzene, cumene (isopropylbenzene), propylbenzene, styrene, toluene, xylenes (o, m,p,), 1,2,3-trimethylbenzene, pseudocumene (1,2,4-trimethylbenzene), mesitylene (1,3,5-trimethylbenzene), p-cymene, benzine, hexane, tetrachloroethylene, trichloroethene, halotane (narcotane), isoflurane, sevorane, ethyl-acetate, n-butyl-acetate, 2-methoxymethylethylacetate (1-methoxy-2-propyl-acetate), ethylenglycolmonoethyletheracetate (2-ethoxyethyl-acetate), ethanol, n-propanol, isopropanol, isobutanol, n-butanol, 2-butanone, n-hexanol, cyclohexanone, 1-methoxy-2-propanol, ethylenglycolmonobutylether (2-butoxyethanol), ethylenglycolmonoethylether (2-ethoxyethanol), ethylenglycolmonomethylether (2-methoxyethanol), acetone, 4-methyl-2-pentanone (isobutylmethylketone) **Working place 6:** n-hexane, i-heptane, acetone, ethyl acetate, 2-butanone, i-butyl acetate, toluene, n-butyl acetate, i-butanol, ethylbenzene, xylenes (3 isomers: o-, m-, p-), n-butanol, i-propylbenzene, n-propylbenzene, methoxypropylacetate, 1,3,5-trimetylbenzene, styrene, cyclohexanone, diacetonalcohol, 2-butoxyethanol, butoxyethylacetate, ethanol, cyclohexane, benzene, pentane, hexane, heptane, octane,1,2,4-trimethylbenzene, nonane, vinyltoluene (methylstyrene), decane, undecane, dodecane, tridecane, tetradecane, pentadecane, hexadecane, benzines (defined as the sum of C5 to C16 according to the proportion of individual fractions), methylmethacrylate, tetrachloroethene
555(3)	Vitamin C, vitamins B1, B2, B3, B5 and B6, vitamins A, E
558(5)	Acetochlor, acetochlor ESA, acetochlor OA, atrazine, atrazine-desethyl (desethylatrazine), atrazine-desisopropyl, atrazine desethyl-desisopropyl, 2-hydroxyatrazine (atrazine-hydroxy), alachlor, alachlor ESA, alachlor OA, azoxystrobin, bentazon, boscalid, carbendazim, carboxin, clomazone, clopyralid, cyanazine, cyproconazole, cyprodinyl, desmedipham, desphenyl-chloridazon, diphenoconazol, diflufenican, dichlormid, dichlorprop (2,4-DP), dichlorvos, dimetachlor, dimetachlor ESA, dimetachlor OA, dicamba, dimethenanid, dimethoate, dimoxystrobin, diuron, epoxiconazol, ethofumesate, fenhexamid, fenpropidin, fenpropimorph, fenuron, flufenacet, fluroxypyr, flusilazol, fluzifop-butyl, haloxyfop-methyl, hexazinon, chloridazon (pyrazon), chloridazon methyldesphenyl, chlorfenvinfos, chlorotoluron, chlorotoluron-desmethyl, chlorpyrifos, iprovalicarb, isoproturon, isoproturon-desmethyl, kresoxim-methyl, lenacil, linuron, MCPA, MCPB, MCPP, mefenpyr-dietyl, mesotrion, metamitron, metazachlor, metazachlor ESA, metazachlor OA, metconazole, methoxyfenozid, metobromuron, metolachlor, metolachlor ESA, metolachlor OA, metoxuron, pendimetalin, pethoxamid, phenmedipham, picoxystrobin, prochloraz, propamocarb,propiconazole, pyrimethanil, quinmerac, quinoxyfen, sebutylazin, simazine, spiroxamin, thiophanat-methyl, tebuconazol, terbutryn, terbutylazin, terbuthylazin-hydroxy, terbuthylazin-desetyl, thialcoprid, trifloxystrobin, trinexapac-etyl, 2,4-D (2,4-dichlorophenoxyacetic acid), 2,6 – dichlorobenzamide.
562(3)	4-t-octylphenol (identical to industrial 4-octylphenol) , 4-n-octylphenol, 4-n-nonylphenol, 4-nonylphenol (industrial mixture), nonylphenol (identical to 4-nonylphenol), 4-nonylphenolmonoethoxylate, 4-nonylphenoldiethoxylate
604(1)	Mineral fibres are natural or man-made fibres meeting the requirements for respirable fibres (length > 5 μm, diameter < 3μm, length/diameter ratio at least 3 : 1).
605* (1,2,3,5,6) (K1,3-6)	Acetone (C_3H_6O), ammonia (NH_3), chlorine (Cl_2), xylene, nitrogen dioxide (NO_2), hydrogen sulfide (H_2S), mercaptans, hydrogen phosphide (phosphine PH_3), benzene, sulphur dioxide (SO_2), formaldehyde (HCHO), hydrogen cyanide (HCN), carbon dioxide (CO_2), styrene, ozone (O3), mercury vapours, carbon oxide (CO), toluene, carbon disulphide (CS_2), vinylchloride, hydrogen chloride (HCl), nitric acid (HNO_3), oxygen (O_2), phenol, sulphuric acid (H_2SO_4), nitric acid (HNO_3), acetic acid (CH_3COOH), nitrogen gases (NO_x), hydrogen sulfide (H_2S), ethylene oxide, acetaldehyde, methylmethacrylate, benzines, dichloromethane, trichloroethylene, tetrachloroethylene, isopropropylalcohol, ethylalcohol. GASTEC and Drager detection tubes.
609* (1,2,3,5,6) (K1,3-6)	Sulphur dioxide (SO_2), sulfane (H_2S), hydrogen phosphide (phosphine PH_3), hydrogen cyanide (HCN), chlorine (Cl_2), carbon monoxide (CO), nitrogen monoxide (NO), nitrogen dioxide (NO_2) , flammability, oxygen (O_2), ammoniac (NH_3), VOC (benzene, toluene, ethylbenzene, xylenes and styrene, individually or as a sum of VOC)
617* (1,2,6,K5)	Fractions from 0.30 to 25.0 μm.
714* (1,2,3,6) (K1,3-5)	Resulting temperature of spherical thermometer, air temperature, relative air humidity, air flow velocity, operating temperature

The Appendix is an integral part of
Certificate of Accreditation No. 129/2019 of 21. 3. 2019

Accredited entity according to ČSN EN ISO/IEC 17025:2005:

Zdravotní ústav se sídlem v Ostravě

Hygienic Laboratories Centre

Partyzánské náměstí 2633/7, Moravská Ostrava, 702 00 Ostrava

List of implementing regulations:

Ord. no.	Test procedure/method identification
75	MoH Hygienic Regulations, Vol. 52/1981, No. 60 – Guideline for the determination of the content of pollutants in air / Uniform analytical methods) – Annex No. 1, 5, 17 and 20
301	ČSN 56 0146, ČSN 56 0140, J. Davídek at al: Laboratory Guide to Food Analysis, Chapter XIII
302	ČSN ISO 6658, ČSN 58 0120, AHEM 24/1986 , AHEM 13/1982
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