

**The Appendix is an integral part of  
Certificate of Accreditation 568/2020 of 15/09/2020**

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

**Vysoká škola chemicko-technologická v Praze**  
Metrological and Testing laboratory UCT Prague  
Technická 1903/3, 166 28 Praha 6 - Dejvice

*The laboratory has a flexible scope of accreditation permitted as detailed in the Annex.*

*Updated list of activities provided within the flexible scope of accreditation is available at the laboratory from the Head of Laboratory.*

*The laboratory is qualified to provide expert opinions and to interpret test results.*

**Tests:**

Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Tested object
1.	Determination of pesticide residues and their metabolites by GC-MS method (multi-residue method 1). <sup>I</sup>	KM 01 (CSN EN 15662)	Food, natural products, fats, oils, honey, food supplements, baby and infant food, novel food***, plant materials and extracts, crops, feedstuffs and preparations, biological tissues and fluids (Document SANTE/12682/2019).
2.	Determination of pesticide residues and their metabolites by LC-MS method (multi-residue method 2). <sup>II</sup>	KM 02 (CSN EN 15662)	Food, beverages and water*, natural products, fats, oils, honey, food supplements, baby and infant food, novel food***, plant materials and extracts, crops, feedstuffs and preparations, biological tissues and fluids (Document SANTE/12682/2019).
3.	Determination of dithiocarbamate fungicides by SPME/GC-MS method.	KM03 (Klimankova E: Ph.D. thesis, VSCHT Praha, 2008; Araujo, WA et al.: J Sep Sci 26 (2003) 624)	Food of plant origin, baby and infant food, crops, feedstuffs and preparations. (Document SANTE/12682/2019).
4.	Determination of polar pesticides residues, including herbicides, growth regulators, and metabolites by LC-MS method. <sup>III</sup>	KM 04 (EURL for single residue methods - QuPPe Method)	Food, beverages and water*, natural products, biological tissues and fluids, food supplements, baby and infant food, novel food***, crops, feedstuffs and preparations. (Document SANTE/12682/2019).
5.	Determination of chlorinated alkanes by GC-MS method <sup>IV</sup>	KM 05 (Xia D et al.: Environ Sci Technol 50 (2016) 7601).	Food, fats, oils, milk, biological tissues and fluids, extracts of PBU.
6.	Determination of mycotoxins and their metabolites by multidetection LC-MS method. <sup>V</sup>	KM 06 (Zachariasova M et al.: Anal Chim Acta, 662 (2010) 51; Sulyok M. et al.: Food Chemistry 119 (2010) 408)	Food and beverages and natural products, food supplements, novel foods***, baby and infant food, cereal products, malt, beer, crops, feedstuffs, body fluids.

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Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Tested object
7.	Determination of persistent organochlorinated pollutants (POPs), halogenated flame retardants (HFR) by GC-MS method. <sup>VI</sup>	KM 07a (Kalachova K et al.: Anal Chim Acta 707 (2011) 84; Kalachova K et al.: Anal Bioanal Chem 405 (2013) 7803; Svarcova A et al.: Sci. Total Environ 667 (2019) 701)	Food, beverages and water*, food raw materials, fats, oils, food supplements, novel food**, baby and infant food, crops, feedstuffs, natural products, biological tissues and fluids.
8.	Determination of persistent organochlorinated pollutants (POPs), halogenated flame retardants (HFR) by GC-MS method. <sup>VII</sup>	KM 07b (Hlouskova V et al.: Sci Total Environ 470 (2014) 470); Lankova D et al.: Anal Chim Acta 854 (2015) 6)	Waste sludge, sediments and soils, dust, filters, PUF, PBU extracts, solid samples (plastics).
9.	Determination of polycyclic aromatic hydrocarbons (PAH) by HPLC-FLD. <sup>VIII</sup>	KM 08a (Drabova L et al.: Food Additives and Contam A, 30 (2013) 512).	Food, beverages and water*, food raw materials, plant materials, fats, oils, food supplements, novel food**, baby and infant food, meals, crops, feedstuffs, biological tissues and fluids.
10.	Determination of polycyclic aromatic hydrocarbons (PAH) by HPLC-FLD. <sup>IX</sup>	KM 08b (CSN EN 16181)	Waste sludge, sediments and soil, dust, filters, PUF.
11.	Determination of polycyclic aromatic hydrocarbons (PAH) and their derivatives by GC-MS method. <sup>X</sup>	KM 09 (Drabova L et al.: Food Control 33 (2013) 489; Kalachova K et al.: Anal Chim Acta 707 (2011) 84).	Food, beverages and water*, food raw materials, oilseeds, fats, oils, food supplements, novel food**, baby and infant food, meal, feedstuffs, biological tissues and fluids.
12.	Determination of flame retardants, their derivatives and metabolites by LC-MS method. <sup>XI</sup>	KM 10a (Lankova D et al.: Talanta 117 (2013) 318; Lankova D et al.: Anal Bioanal Chem 405 (2013) 7829)	Food, beverages and water*, food supplements, novel food**, baby and infant food, plant materials, biological tissues and fluids, total diet.
13.	Determination of flame retardants, their derivatives and metabolites by LC-MS method. <sup>XII</sup>	KM 10b (Hlouskova V et al.: Sci Total Environ 470 (2014) 407)	Extracts of PBU, PUF, filters, waste sludge, sediments and soil, dust.
14.	Determination of (per)fluorinated compounds (PFAS) by LC-MS method. <sup>XIII</sup>	KM 11a (Lacina et al.: J Chromatogr A 1218 (2011) 4312; Svihlíková, V et al.: Chemosphere 129 (2015) 170; Lankova D et al.: Talanta 117 (2013) 318)	Food, beverages and water*, natural products, food supplements, novel food**, baby and infant food, plant materials, biological tissues and fluids, total diet.

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Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Tested object
15.	Determination of (per)fluorinated compounds (PFAS) by LC-MS method. <sup>XIV</sup>	KM 11b (Hlouskova V et al.: Sci Total Environ 470 (2014) 407; ČSN ISO 25101)	Technical liquids, water <sup>**</sup> , waste sludge, sediments and soil, dust.
16.	Determination of acrylamide by LC-MS method.	KM 12 (Elbashir, A.A.et al.: Critical Reviews in Analytical Chemistry 44 (2017) 107; Regulation No. 2017/2158/EU)	Food, baby and infant food, cereals and cereal products, potato products, coffee, chocolate, malt.
17.	Determination of furan and its methyl-derivatives by SPME/GC-MS method. <sup>XV</sup>	KM 13 (Concurso C et al.: Food Chemistry 250 (2018) 155)	Cereals and cereal products, food and beverages, baby and infant food, beverages, coffee, beer, malt, food supplements.
18.	Screening, identification and determination of volatile and semivolatile compounds including aromatic components by GC(xGC) /TOF-MS method. <sup>XVI</sup>	KM 14 (Stupak M et al. Anal Chim Acta 1042 (2018) 60)	Food and beverages, water <sup>**</sup> , natural products, fats, oils, food supplements, novel food <sup>***</sup> , crops, feedstuffs, plant materials, biological tissues and fluids, sediments and soils, dust, PBU extracts, solid and fluid samples.
19.	Identification and determination of metabolome components based on metabolomic 'fingerprinting' /profiling by HRMS method. <sup>XVII</sup>	KM 15 (Hurkova K et al.: Food Chemistry 284 (2019) 162; Rubert J et al.: Food Additives & Contaminants: Part A 32 (2015) 1685)	Food, beverages and natural products, fats, oils, food supplements, novel food <sup>***</sup> , crops, feedstuffs, plant materials, biological tissues and fluids, sediments and soil, PBU extracts.
20.	Determination of MCPD esters and glycidylesters by LC-MS method. <sup>XVIII</sup>	KM 16 (Moravcova, E. et al.: Anal Bioanal Chem 402 (2012) 2871; Crews, C. et al.: Food Additives & Contam: Part A 30 (2013) 11)	Fats and oils, food, baby and infant food.
21.	Determination of fatty acids by GC-FID/GC-MS method. <sup>XIX</sup>	KM 17 (ČSN EN ISO 12966-4)	Foodstuffs, fats, oils, food supplements, novel food <sup>***</sup> , baby and infant food, biological tissues and fluids.
22.	Determination of ethanol, methanol and the other volatile organic compounds by GC-MS method. <sup>XX</sup>	KM 18 (Stupak M et al., Food Control, 80 (2017) 307; Regulation No. 2870/2000/ES)	Alcohol, spirits, distillates and other alcohol containing products.
23.	Determination of total MCPD by GC-MS method. <sup>XXI</sup>	KM 19 (Divinova V. et al.: Czech J Food Sci 22 (2004) 182; AOCS Official Method Cd 29a-13)	Foodstuffs, raw materials, hydrolysed proteins.

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Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Tested object
24.	Determination of coca alkaloids and distinguishing of source of their origin by LC-MS method. <sup>XXII</sup>	KM 20 (Esseiva P et al.: Forensic Sci Int, 207 (2011) 27)	Solid and liquid samples, (extracts) of plant materials and foodstuffs, solid and liquid forensic samples.
25.	Detection, identification and determination of cannabinoids, screening of impurities and degradation product by LC-MS method. <sup>XXIII</sup>	KM 21 (Zoller O et al.: J. Chromatogr A 872 (2000) 101; Raikos N et al.: Forensic Sci Int 243 (2014) 130)	Solid and liquid samples, extracts of natural products, food supplements, solid and liquid forensic samples, biological tissues and fluids, preparations.
26.	Determination of anabolic steroids by GC-MS method. <sup>XXIV</sup>	KM 22 (Stepan R et al.: Food Additives and Contam A 25 (2008) 557)	Food supplements, novel food <sup>***</sup> , feedstuffs, raw materials, formulations.
27.	Determination of plant alkaloids by LC-MS method. <sup>XXV</sup>	KM 23 (Mulder PPJ et al.: EFSA (doi: 10.2903/sp.efsa.2016.EN-1140; Jiru M. et al., Certified method, UCT Prague, 2016)	Food of plant origin, honey, cereals, food supplements, extracts of natural products, baby and infant food, crops, feedstuffs.
28.	Determination of metabolites of organic contaminants by LC-MS method. <sup>XXVI</sup>	KM 24 (Lankova D et al. Anal Bioanal Chem 408 (2016) 2515)	Body fluids.
29.	Determination of food additives by LC-MS method. <sup>XXVII</sup>	KM 25 (Krmela et. al.: LCGC Europe 33(2020) 327)	Food and beverages, concentrates, extracts, water <sup>*</sup>
30.	Determination of food colours by LC-MS method. <sup>XXVIII</sup>	KM 26	Food and beverages, concentrates, extracts, technical fluids, water <sup>**</sup>
31.	Determination of folic acid and their forms by LC-MS method. <sup>XXIX</sup>	KM 27 (AOAC Official Method 2011.06 (50.1.29))	Supplemented (fortified) food, food supplements.

<sup>1</sup> Asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

<sup>2</sup> 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).

\* water: bottled, drinking and ground water

\*\* water: bottled, drinking, ground, surface, process, waste water.

\*\*\* according to the Regulation (EU) 2015/2283 of the European Parliament and of the Council on novel foods

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Annex:

Flexible scope of accreditation

Ordinal number of test methods
1 - 31

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.

**Abbreviations used:**

Document DG SANTE/12682/2019: Analytical quality control and method validation procedures for pesticides residues analysis in food and feed.

FCM	Food Contact materials
GC-FID	Gas Chromatography with s flame-ionization detection
GC-MS	Gas Chromatography with Mass Spectrometric detection
GCxGC	Gas Chromatography with 2-D separation (also 2D-GC)
HFR	Halogenated flame retardants – incl. brominated flame retardants (BFR)
HPLC-FLD	High Performance Liquid Chromatography with fluorimetric detection
HRMS	High Resolution Mass Spectrometry
KM	Control Method: validated “in-house” testing method implemented in MZL
LC-MS	High Performance Liquid Chromatography with Mass Spectrometric detection
MCPD	Monochlor-propane-diol
MZL	Metrological and Testing Laboratory UCT Prague
PAH	Polycyclic aromatic hydrocarbons – see the footnotes for range of analytes
PBU	Consumer goods (including Food contact materials, FCM)
POPs	Persistent organic pollutants – see the footnotes for range of analytes
PUF	Polyurethane foam (ordinarily filters for sampling of air)
SPME	Solid Phase Microextraction
TOF-MS	Mass spectrometry based on „Time-of-Flight“ principle
UCT	University of Chemistry and Technology Prague
(VŠCHT)	

<sup>1</sup> in the range: 2,4-D methyl ester; 2,4,6-trichlorophenol; 2-phenylphenol, acephate; aldrin; ametryn; antrachinon; azinphos-ethyl; azinphos-methyl; azoxystrobin; bendiocarb; bifenthrin; biphenyl; bixafen; bromophos-ethyl; bromophos-methyl; bromopropylate; bupirimate; buprofezin; cadusafos; captafol; captan; carbaryl; carbofenthiol; chinomethionat; chlorbufam; chlordane-cis; chlordane-trans; chlordecon; chlorfenapyr; chlorfenvinphos; chlorobenzilate; chlorothalonil; chlorpropham; chlorpyrifos; chlorpyrifos-methyl; chlozolinate; cyanazine; cyfluthrin-beta; cyhalofop butyl; cyhalothrin-lambda; cypermethrin (sum of isomers); cypermethrin alpha; cyprodinil; deltamethrin; desmetryn; diazinon; dichlobenil (benzonitril); dichlofluanid; dicloran; dichlorobenzophenone (4,4'); dichlorvos; diclofop-methyl; dicofol; dicrotophos; dieldrin; difenoconazole; diphenylamine; dimethoate; disulfoton; disulfotonesulfone; endosulfan-alpha; endosulfan-beta; endosulfan-sulphate; endrin; ethion; ethoprophos; etoxazol; etrimfos; fenamidone; fenamiphos; fenamiphos-sulfone; fenarimol; fenchlorphos; fenitrothion; fenoxycarb; fensulfotthion; fenthion; fenthion-sulfone; fenthion-sulfoxide; fenvalerate; fipronil; fipronil-desulfinyl; fipronil-sulfone; flucythrinate; fludioxonil; fluensulfon; flutolanil; fluvalinate-tau; folpet; fonofos; formothion; haloxyfop-ethoxyethyl; haloxyfop-methyl; HCB; HCH-alpha; HCH-beta; HCH-delta; HCH-gamma; heptachlor; heptachlorepoxyde cis- and trans-; heptenophos; hexythiazox; imazalil; iprodione; isocarbophos; isofenphos; isofenphos-methyl; isopyrazam; kresoxim-methyl; malaaxon; malathion; mecarbam; metalaxyl; metamidron; metazachlor; methacrifos; methamidophos; methidathion; methiocarb; methoprene; methoxychlor (bis-methoxybenzen); mevinphos; metrafenone; mirex; molinate; monocrotophos; myclobutanil; naled; nitrofen; novaluron; nuarimol; o,p'-DDD; o,p'-DDE; o,p'-DDT; omethoate; oxadixyl; oxychlordane;

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oxyfluorfen; p,p'-DDD; p,p'-DDE; p,p'-DDT; paraoxon-ethyl; paraoxon-methyl; parathion; parathion-methyl; penconazole; pencycuron; pendimethalin; penflufen; pentachloroaniline; penthiopyrad; permethrin (sum of isomers); pethoxamid; phenothrin; phenthoate; phosalone; phosmet; phosphamidone; phthalimide; pirimicarb; pirimiphos-ethyl; pirimiphos-methyl; procymidone; profenofos; prometon; propargite; propham; propoxur; prothiofos; pyrazophos; pyridaben; pyridaphenthion; pyriofenon; quinalphos; quintozone; resmethrin; simetryn; sulfotep; tebuconazole; tecnazene; tefluthrin; terbufos-sulfon; terbufos; tetraconazole; tetradifon; tetrahydrophthalimide (1,2,3,6); thiabendazole; thiometon; tolclofos-methyl; tolfenpyrad; tolylfluanid; translfluthrin; triadimefon; triadimenol; triazamate; triazophos; trichlorfon; trifloxystrobin; trifluralin; vamidothion; vinclozolin; sum of analytes expressed according to the KM 01 and legal documents..

<sup>ii</sup> in the range: 2,4,5-T; 2,4,5-T (sum of 2,4,5-T, its salts and esters, expressed as 2,4,5-T); 2,4-D; 2,4-D (sum of 2,4-D, its salts, its esters and its conjugates, expressed as 2,4-D); 2,4-DB; 2,4-DB (sum of 2,4-DB, its salts, its esters and its conjugates, expressed as 2,4-DB); 2-naphthoxyacetic acid; 4-CPA (4-chlorophenoxyacetic acid = PCPA); abamectin (sum of avermectin B1a; avermectin B1b expressed as avermectin B1a); acephate; acetamidprid; acetochlor; acetochlor ESA sodium salt; acetochlor OA; aclonifen; acrinathrin and its enantiomer; alachlor; alachlor ESA sodium salt; alachlor OA; aldicarb; aldicarb (sum of aldicarb, its sulfoxide and its sulfone, expressed as aldicarb); aldicarb-sulfone; aldicarb-sulfoxide; ametocradin; ametryn; asulam; atrazine; atrazine-2-hydroxy; atrazine-desethyl; atrazine-desethyl desisopropyl; atrazine-desisopropyl; avermectin B1a; avermectin B1b; azadirachtin; azinphos-ethyl; azinphos-methyl; azoxystrobin; benalaxyl including other mixtures of constituent isomers including benalaxyl-M (sum of isomers); bendiocarb; bentazone; bentazone, 8-hydroxy; benzalkonium chloride (mixture of alkylbenzyltrimethylammonium chlorides with alkyl chain lengths of C8, C10, C12, C14, C16 and C18); benzalkonium chloride with alkyl chain lengths of C10; benzalkonium chloride with alkyl chain lengths of C12; benzalkonium chloride with alkyl chain lengths of C14; benzalkonium chloride with alkyl chain lengths of C16; benzalkonium chloride with alkyl chain lengths of C18; benzalkonium chloride with alkyl chain lengths of C8; benzovindiflupyr; bifenthrin (sum of isomers); bitertanol (sum of isomers); bixafen; boscalid; bromacil; bromoxynil and its salts, expressed as bromoxynil; bromuconazole (sum of diastereoisomers); bupirimate; buprofezin; cadusafos; carbaryl; carbendazim; carbendazim and benomyl (sum of benomyl and carbendazim expressed as carbendazim); carbofuran; carbofuran (sum of carbofuran (including any carbofuran generated from carbosulfan, benfuracarb or furathiocarb) and 3-OH carbofuran expressed as carbofuran); carbofuran 3-hydroxy; carbophenothion; carboxin; carboxin-sulfone; carboxin-sulfoxide; clofentezine; clomazone; cloprop; clopyralid; clothianidin; cyanazine; cyazofamid; cycloxydim; cyflufenamid: sum of cyflufenamid (Z-isomer) and its E-isomer; cyfluthrin beta-isomer; cyhalofop-butyl; cymoxanil; cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers)); cyphenothrin; cyproconazole; cyprodinil; DEET; deltamethrin (cis-deltamethrin); demeton-S-methyl; desmedipham; desmetryn; diafenthion; diazinon; diclofop-methyl; dicrotophos; didecyldimethylammonium chloride with alkyl chain lengths of C10; diethofencarb; difenoconazole; diflubenzuron; diflufenican; dichlofluanid; dichlofluanid metabolite: DMSA; dichlormid; dichlorprop; dichlorprop (sum of dichlorprop (including dichlorprop-P), its salts, esters and conjugates, expressed as dichlorprop; dichlorvos; dimethachlor; dimethenamid; dimethoate; dimethomorph (sum of isomers); dimoxystrobin; diniconazole (sum of isomers); dinotefuran; disulfoton; disulfoton (sum of disulfoton and disulfoton sulfone expressed as disulfoton); disulfoton (sum of disulfoton, disulfoton sulfoxide and disulfoton sulfone expressed as disulfoton); disulfoton-sulfone; disulfoton-sulfoxide; dithianon; diuron; dodine; empenethrin; EPN; epoxiconazole; ethametsulfuron-methyl; ethiofencarb; ethion; ethirimol; ethofumesate; ethoprophos; etofenprox; etoxazole; etrimfos; famoxadone; fenamidone; fenamiphos; fenamiphos (sum of fenamiphos and its sulphoxide and sulphone expressed as fenamiphos); fenamiphos (sum of fenamiphos and sulphone expressed as fenamiphos); fenamiphos-sulfone; fenamiphos-sulfoxide; fenarimol; fenazaquin; fenobucarb; fenbuconazole; fenbutatin oxide; fenhexamid; fenoprop; fenoxaprop – P; fenoxaprop-P-ethyl; fenoxycarb; fenpropathrin; fenpropidin (sum of fenpropidin and its salts, expressed as fenpropidin); fenpropimorph (sum of isomers); fenpyrazamine; fenpyroximate; fensulfothion; fensulfothion oxon; fensulfothion PO-sulfone; fensulfothion sulfone; fenthion; fenthion (fenthion and its oxygen analogue, their sulfoxides and sulfone expressed as parent); fenthion-oxon; fenthion-oxon-sulfone; fenthion-oxon-sulfoxide; fenthion-sulfone; fenthion-sulfoxide; fentin (fentin including its salts, expressed as triphenyltin cation); fipronil; fipronil (sum of fipronil + sulfone metabolite (MB46136) expressed as fipronil); fipronil sulfone metabolite (MB46136); fipronil-desulfinyl; flonicamid; flonicamid

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metabolite: TFNA; flonicamid metabolite: TFNG; flonicamid: sum of flonicamid, TFNA and TFNG expressed as flonicamid; florasulam; fluacrypyrim; fluazifop; fluazifop-P (sum of all the constituent isomers of fluazifop, its esters and its conjugates, expressed as fluazifop); fluazifop-P-butyl; fluazinam; flubendiamide; flucythrinate; fludioxonil; fluensulfon; flufenacet; flufenoxuron; flumioxazine; fluopicolide; fluopyram; fluoxastrobin (sum of fluoxastrobin and its Z-isomer); fluquinconazole; furochloridone; fluoxypyr; fluoxypyr (sum of fluoxypyr, its salts, its esters, and its conjugates, expressed as fluoxypyr); flusilazole; flutolanil; flutriafol; fluxapyroxad; fomesafen; fonofos; foramsulfuron; formetanate: sum of formetanate and its salts expressed as formetanate(hydrochloride); formothion; fosthiazate; furathiocarb; haloxyfop; haloxyfop (Sum of haloxyfop, its esters, salts and conjugates expressed as haloxyfop (sum of the R- and S- isomers at any ratio)); haloxyfop-ethoxyethyl; haloxyfop-methyl; heptenophos; hexaconazole; hexaflumuron; hexazinone; hexythiazox; chlorantranilprole (DPX E-2Y45); chlorbufam; chlorfenvinphos; chlorfluazuron; chloridazon; chloridazon desfenyl (CHD); chloridazon methyl desfenyl (CHMD); chlorotoluron; chloroxuron; chlorpropham; chlorpyrifos; chlorpyrifos-methyl; chlorsulfuron; imazalil; imazamethabenz-methyl; imazamox (sum of imazamox and its salts, expressed as imazamox); imazapyr; imazaquin; imazethapyr; imazosulfuron; imidacloprid; indoxacarb (sum of indoxacarb and its R enantiomer); iodosulfuron-methyl (sum of iodosulfuron-methyl and its salts, expressed as iodosulfuron-methyl); ioxynil; ioxynil (sum of ioxynil, its salts and its esters, expressed as ioxynil); ipconazole; iprovalicarb; isocarbophos (ISO: isopropyl O-(methoxyaminothiophosphoryl)salicylate); isofenphos; isofenphos-methyl; isofetamide; isoprocab; isoprothiolane; isoproturon; isopyrazam; kresoxim-methyl; lambda-cyhalothrin; lenacil; linuron; lufenuron; malaoxon; malathion; malathion (sum of malathion and malaoxon expressed as malathion); mandipropamid; MCPA; MCPA and MCPB (MCPA, MCPB including their salts, esters and conjugates expressed as MCPA); MCPB; mecarbam; mecoprop; mefenpyr-diethyl; mefentrifluconazole; mepanipyrim; mepanipyrim-2-hydroxypropyl; mepronil; meptyldinocap; metaflumizone (sum of E- and Z- isomers); metalaxyl including other mixtures of constituent isomers including metalaxyl-M (sum of isomers); metamitron; metamitron-desamino; metazachlor; metazachlor ESA; metazachlor OA; metconazole (sum of isomers); methacrifos; methamidophos; methidathion; methiocarb; methiocarb (sum of methiocarb and methiocarb sulfoxide and sulfone, expressed as methiocarb); methiocarb-sulfone; methiocarb-sulfoxide; methomyl; methoxyfenozide; metobromuron; metolachlor; metolachlor ESA sodium salt; metolachlor OA; metolcarb; metominostrobin; metosulam; metoxuron; metrafenone; metribuzin; metsulfuron-methyl; mevinphos (sum of E- and Z-isomers); molinate; monocrotophos; monolinuron; monuron; myclobutanil; naled; napropamide; neburon; nicosulfuron; nitenpyram; norflurazon; novaluron; omethoate; orthosulfamuron; oxadiargyl; oxadixyl; oxamyl; oxamyl-oxime; oxasulfuron; oxathiapiprolin; oxydemeton-methyl; oxydemeton-methyl (sum of oxydemeton-methyl and demeton-S-methylsulfone expressed as oxydemeton-methyl); oxydemeton-methyl metabolite: demeton-S-methylsulfone; oxyfluorfen; paclobutrazol; penconazole; pencycuron; pendimethalin; penflufen; penoxsulam; penthiopyrad; permethrin (sum of isomers); pethoxamid; phenmedipham; phenothrin; (phenothrin including other mixtures of constituent isomers (sum of isomers)); phenthoate; phorate; phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate); phorate-oxon; phorate-oxonsulfone; phorate-oxonsulfoxide; phorate-sulfone; phorate-sulfoxide; phosalone; phosmet; phosmet (phosmet and phosmet oxon expressed as phosmet); phosmet oxon; phosphamidon; phoxim; picloram; picolinafen; picoxystrobin; pinoxaden; piperonyl butoxide; pirimicarb; pirimicarb desmethyl; pirimiphos-ethyl; pirimiphos-methyl; profenofos; prochloraz; prochloraz (sum of prochloraz and its metabolites containing the 2,4,6-Trichlorophenol moiety expressed as prochloraz); prochloraz (sum of prochloraz and its metabolites expressed as prochloraz); prochloraz metabolite: (BTS 44595); prochloraz metabolite: (BTS 44596); prometon; prometryn; propachlor; propamocarb (sum of propamocarb and its salts, expressed as propamocarb); propaquizafop; propargite; propazine; propham; propiconazole (sum of isomers); propoxur; propoxycarbazone; propyzamide; proquinazid; prosulfocarb; prothioconazole; prothioconazole-desthio; prothiofos; pyraclostrobin; pyrazophos; pyrethrins; pyridaben; pyridalyl; pyridate; pyrifenoxy; pyrimethanil; pyriofenone; pyriproxyfen; quinalphos; quinclorac; quinmerac; quinochlor; quinoxifen; quizalofop-P; quizalofop-P-ethyl; resmethrin (resmethrin including other mixtures of constituent isomers (sum of isomers)); rimsulfuron; rotenone; sedaxane; simazine; simetryn; spinosad (spinosad, sum of spinosyn A and spinosyn D); spinosyn A; spinosyn D; spirodiclofen; spiromesifen; spirotetramat; spirotetramat and its 4 metabolites BYI08330-enol, BYI08330-ketohydroxy, BYI08330-monohydroxy, and BYI08330-enol-glucoside, expressed as spirotetramat; spirotetramat metabolite: BYI08330-enol; spirotetramat metabolite: BYI08330-enol-glucoside; spirotetramat metabolite:

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BYI08330-ketohydroxy; spirotetramat metabolite: BYI08330-mono-hydroxy; spiroxamine (sum of isomers); sulfosulfuron; sulfotep; sulfoxaflor (sum of isomers); tau-fluvalinate; tebuconazole; tebufenozide; tebufenpyrad; teflubenzuron; temephos; tepraloxydim; terbufos; terbufos-sulfone; terbufos-sulfoxide; terbuthylazine; terbuthylazine-2-hydroxy; terbuthylazine-desethyl; terbutryn; tetraconazole; tetramethrin; thiabendazole; thiacloprid; thiamethoxam; thifensulfuron-methyl; thiodicarb; thiometon; thiophanate-methyl; tolclofos-methyl; tolfenpyrad; tolylfluand; tolylfluand (sum of tolylfluand and dimethylaminosulfotoluidide expressed as tolylfluand); tolylfluand metabolite: dimethylaminosulfotoluidide (DMST); triadimefon; triadimenol (any ratio of constituent isomers); triasulfuron; triazophos; tribenuron-methyl; triclopyr; tricyclazole; trifloxystrobin; triflumuron; triforine; trichlorfon; trinexapac ethyl; triticonazole; tritosulfuron; valifenalate; vamidothion; vamidothion sulfone; vamidothion sulfoxide; zoxamide; sum of analytes expressed according to the KM 02 and legal documents.

<sup>III</sup> in the range: benzalkonium chloride (mixture of alkylbenzyltrimethylammonium chlorides with alkyl chain lengths of C8, C10, C12, C14, C16 and C18); benzalkonium chloride with alkyl chain lengths of C10; benzalkonium chloride with alkyl chain lengths of C12; benzalkonium chloride with alkyl chain lengths of C14; benzalkonium chloride with alkyl chain lengths of C16; benzalkonium chloride with alkyl chain lengths of C18; benzalkonium chloride with alkyl chain lengths of C8; didecyltrimethylammonium chloride with alkyl chain lengths of C10; difenzoquat; diquat; ethephon; fosetyl; fosetyl-Al (sum of fosetyl, phosphonic acid and their salts, expressed as fosetyl); glyphosate; chlorate; chlormequat (sum of chlormequat and its salts, expressed as chlormequat chloride); mepiquat (sum of mepiquat and its salts, expressed as mepiquat chloride); paraquat; perchlorate; phosphonic acid and their salts; propineb; propylenethiourea; sum of analytes expressed according to the legal documents.

<sup>IV</sup> in the range: SCCP (chloroalkanes C10-C13); MCCP (chloroalkanes C14-C17), sum of analytes expressed according to the KM 05.

<sup>V</sup> in the range: 15-acetyldeoxynivalenol; 3-acetyldeoxynivalenol; aflatoxin B1; aflatoxin B2; aflatoxin G1; aflatoxin G2; aflatoxins (sum of B1, B2, G1 and G2); agroclavine; alternariol; alternariol-methylether; beauvericin; citrinin; cyclopiazonic acid; deoxynivalenol; deoxynivalenol-3-glucoside; diacetoxyscirpenol; enniatin A; enniatin A1; enniatin B; enniatin B1; ergocornine; ergocorninine; ergocristine; ergocristinine; ergocryptine; ergocryptinine; ergometrine; ergosine; ergosinine; ergotamine; ergotaminine; fumonisin B1; fumonisin B2; fumonisins (sum of B1 and B2); fusarenon X; gliotoxin; HT-2 toxin; meleagrins; mycophenolic acid; neosolaniol; nivalenol; ochratoxin A; patulin; paxilline; penicillic acid; penitrem A; phomopsis A; roquefortine C; stachybotrylactam; sterigmatocystin; Sum of HT-2 and T-2 toxin; T-2 toxin; tentoxin; tenuazonic acid; verrucarol; verruculogen; zearalenone;  $\alpha$ -zearalenol;  $\beta$ -zearalenol.; sum of analytes expressed according to the KM 06 and legal documents.

<sup>VI</sup> in the range: in the range: PCB 8; PCB 18; PCB 28; PCB 31; PCB 44; PCB 47; PCB 49; PCB 52; PCB 56; PCB 66; PCB 70; PCB 74; PCB 77; PCB 81; PCB 84; PCB 87; PCB 95; PCB 97; PCB 99; PCB 101; PCB 105; PCB 110; PCB 114; PCB 118; PCB 123; PCB 126; PCB 128; PCB 129; PCB 137; PCB 138; PCB 141; PCB 146; PCB 149; PCB 151; PCB 153; PCB 156; PCB 157; PCB 163; PCB 167; PCB 169; PCB 170; PCB 180; PCB 183; PCB 187; PCB 189; PCB 194; PCB 195; PCB 199; PCB 202; PCB 203; PCB 206; PCB 209; Sum of PCB 28, PCB 52, PCB 101, PCB 138, PCB 153, and PCB 180; p,p'-DDT; o,p'-DDT; p,p'-DDD; o,p'-DDD; p,p'-DDE; o,p'-DDE; HCB; HCH-alpha-, -beta, -gamma (lindane), -delta; octachlorostyrene; heptachlor, heptachlorepoxyde -cis-, -trans; aldrin; dieldrin; chlordane-cis-, -trans; oxychlordane; endosulfan-alpha-, -beta; endosulfan-sulphate; endrin; PCBz (pentachlorobenzene); PBDE 28; PBDE 47; PBDE 49; PBDE 66; PBDE 85; PBDE 99; PBDE 100; PBDE 153; PBDE 154; PBDE 183; PBDE 196; PBDE 197; PBDE 203; PBDE 206; PBDE 207; PBDE 209; BTBPE (1,2-bis(2,4,6-tribromophenoxy)ethane); DBDPE (decabromodiphenylethane); HBB (hexabromobenzene); OBIND (octabromotrimethylphenylindane); PBEB (pentabromoethylbenzene); PBT (pentabromotoluene); TBECH (tetrabromoethylcyclohexane); TBCO (1,2,5,6-tetrabromocyclooctane); anti-DP (dechlorane Plus, anti-), syn-DP (dechlorane Plus, syn-); EHTBB (2-ethylhexyl-2,3,4,5-tetrabromobenzoate); DPTE (2,3-dibromopropyl-2,4,6-tribromophenyl ether); HCDBCO (hexachlorocyclopentadienyl-dibromocyclooctane); sum of analytes expressed according to the KM 07 and legal documents.



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<sup>VII</sup> in the range: in the range: PCB 8; PCB 18; PCB 28; PCB 31; PCB 44; PCB 47; PCB 49; PCB 52; PCB 56; PCB 66; PCB 70; PCB 74; PCB 77; PCB 81; PCB 84; PCB 87; PCB 95; PCB 97; PCB 99; PCB 101; PCB 105; PCB 110; PCB 114; PCB 118; PCB 123; PCB 126; PCB 128; PCB 129; PCB 137; PCB 138; PCB 141; PCB 146; PCB 149; PCB 151; PCB 153; PCB 156; PCB 157; PCB 163; PCB 167; PCB 169; PCB 170; PCB 180; PCB 183; PCB 187; PCB 189; PCB 194; PCB 195; PCB 199; PCB 202; PCB 203; PCB 206; PCB 209; Sum of PCB 28, PCB 52, PCB 101, PCB 138, PCB 153, and PCB 180; p,p'-DDT; o,p'-DDT; p,p'-DDD; o,p'-DDD; p,p'-DDE; o,p'-DDE; HCB; HCH-alpha-, -beta, -gamma (lindane), -delta; octachlorostyrene; heptachlor, heptachlorepoxyde -cis, -trans; aldrin; dieldrin; chlordane-cis, -trans; oxychlordane; endosulfan-alpha, -beta; endosulfan-sulphate; endrin; PCBz (pentachlorobenzene); PBDE 28; PBDE 47; PBDE 49; PBDE 66; PBDE 85; PBDE 99; PBDE 100; PBDE 153; PBDE 154; PBDE 183; PBDE 196; PBDE 197; PBDE 203; PBDE 206; PBDE 207; PBDE 209; BTBPE (1,2-bis(2,4,6-tribromophenoxy)ethane); DBDPE (decabromodiphenylethane); HBB (hexabromobenzene); OBIND (octabromotrimethylphenylindane); PEBE (pentabromoethylbenzene); PBT (pentabromotoluene); TBECH (tetrabromoethylcyclohexane); TBCO (1,2,5,6-tetrabromocyclooctane); anti-DP (dechlorane Plus, anti-), syn-DP (dechlorane Plus, syn-); EHTBB (2-ethylhexyl-2,3,4,5-tetrabromobenzoate); DPTE (2,3-dibromopropyl-2,4,6-tribromophenyl ether); HCDBCO (hexachlorocyclopentadienyl-dibromocyclooctane); sum of analytes expressed according to the KM 07 and legal documents.

<sup>VIII</sup> in the range: phenanthrene; anthracene; fluoranthene, pyrene; benz[a]anthracene, chrysene; benzo[b]fluoranthene; benzo[k]fluoranthene, benzo[a]pyrene, dibenz[a,h]anthracene; benzo[ghi]perylene, indeno[1,2,3-cd]pyrene; sum of analytes expressed according to the KM 08 and legal documents.

<sup>IX</sup> in the range: phenanthrene; anthracene; fluoranthene; pyrene; benz[a]anthracene; chrysene; benzo[b]fluoranthene; benzo[k]fluoranthene, benzo[a]pyrene; dibenz[a,h]anthracene, benzo[ghi]perylene; indeno[1,2,3-cd]pyrene; sum of analytes expressed according to the KM 08 and legal documents.

<sup>X</sup> in the range: acenaphthene; acenaphthylene, fluorene, naphthalene, phenanthrene; anthracene; fluoranthene; pyrene; benz[a]anthracene; chrysene; benzo[b]fluoranthene; benzo[k]fluoranthene; benzo[a]pyrene, dibenz[a,h]anthracene; benzo[g,h,i]perylene, indeno[1,2,3-cd]pyrene, benzo[c]fluorene; cyclopenta[c,d]pyrene; benzo[j]fluoranthene; 5-Methylchrysene; dibenzo[a,e]pyrene; dibenzo[a,l]pyrene; dibenzo[a,i]pyrene, dibenzo[a,h]pyrene; sum of analytes expressed according to the KM 09 and legal documents.

<sup>XI</sup> in the range: 2,4-DBP (2,4-dibromophenol); 2,4,6-TBP (2,4,6-tribromophenol); PBP (pentabromophenol); alpha-HBCD (alpha-1,2,5,6,9,10-hexabromocyclododecane); beta-HBCD (beta-1,2,5,6,9,10-hexabromocyclododecane); gamma-HBCD (gamma-1,2,5,6,9,10-hexabromocyclododecane); TBBPA (tetrabromobisphenol A); 6-OH-BDE-47 (6-hydroxy-2,2',4,4'-tetrabromodiphenyl ether); 4'-OH-BDE-49 (4'-hydroxy-2,2',4,5'-tetrabromodiphenyl ether); 2'-OH-BDE-68 (2'-hydroxy-2,3',4,5'-tetrabromodiphenyl ether); 6'-OH-BDE-99 (6'-hydroxy-2,2',4,4',5-pentabromodiphenyl ether); sum of analytes expressed according to the KM 10.

<sup>XII</sup> in the range: 2,4-DBP (2,4-dibromophenol); 2,4,6-TBP (2,4,6-tribromophenol); PBP (pentabromophenol); alpha-HBCD (alpha-1,2,5,6,9,10-hexabromocyclododecane); beta-HBCD (beta-1,2,5,6,9,10-hexabromocyclododecane); gamma-HBCD (gamma-1,2,5,6,9,10-hexabromocyclododecane); TBBPA (tetrabromobisphenol A); 6-OH-BDE-47 (6-hydroxy-2,2',4,4'-tetrabromodiphenyl ether); 4'-OH-BDE-49 (4'-hydroxy-2,2',4,5'-tetrabromodiphenyl ether); 2'-OH-BDE-68 (2'-hydroxy-2,3',4,5'-tetrabromodiphenyl ether); 6'-OH-BDE-99 (6'-hydroxy-2,2',4,4',5-pentabromodiphenyl ether); sum of analytes expressed according to the KM 10.

<sup>XIII</sup> in the range: PFBA (perfluoro-n-butanoic acid); PFPeA (perfluoro-n-pentanoic acid); PFHxA (perfluoro-n-hexanoic acid); PFHpA (perfluoro-n-heptanoic acid); PFOA (perfluoro-n-octanoic acid); PFNA (perfluoro-n-nonanoic acid); PFDA (perfluoro-n-decanoic acid); PFUdA (perfluoro-n-undecanoic acid); PFDaA (perfluoro-n-dodecanoic acid); PFTeDA (perfluoro-n-tetradecanoic acid); PFTrDA (perfluoro-n-tridecanoic acid); PFHxDA (perfluoro-n-hexadecanoic acid); PFOA (perfluoro-n-octadecanoic acid); PFPrS (perfluoro-1-propane sulfonate);

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PFBS (perfluoro-1-butane sulfonate); PFPeS (perfluoro-1-pentane sulfonate); PFHxS (perfluoro-1-hexane sulfonate); PFHpS (perfluoro-1-heptane sulfonate); Br-PFOS (perfluoro-1-octane sulfonates, branched isomers); L-PFOS (perfluoro-1-octane sulfonate, linear form); Sum of PFOS (sum of linear form PFOS and branched isomers PFOS); PFNS (perfluoro-1-nonane sulfonate); PFDS (perfluoro-1-decane sulfonate); PFDoS (perfluoro-1-dodecane sulfonate); PFOSA (perfluoro-1-octanesulfonamide); N-EtFOSA (N-ethylperfluoro-1-octanesulfonamide); N-MeFOSA (N-methylperfluoro-1-octanesulfonamide); N-EtFOSE (N-ethylperfluorooctanesulfonamidoethanol); N-MeFOSE (N-methylperfluorooctanesulfonamidoethanol); 11Cl-PF3OUdS (11-chloroeicosafluoro-3-oxaundecane-1-sulfonate); 9Cl-PF3ONS (9-chlorohexadecafluoro-3-oxanonane-1-sulfonate); HFPO-DA (2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid); NaDONA (dodecafluoro-3H-4,8-dioxanonanoate); PFHxPA (perfluorohexylphosphonic acid); PFDoPA (perfluorodecylphosphonic acid); PFOPA (perfluorooctylphosphonic acid); sum of analytes expressed according to the KM 11.

<sup>xiv</sup> in the range: PFBA (perfluoro-n-butanoic acid); PFPeA (perfluoro-n-pentanoic acid); PFHxA (perfluoro-n-hexanoic acid); PFHpA (perfluoro-n-heptanoic acid); PFOA (perfluoro-n-octanoic acid); PFNA (perfluoro-n-nonanoic acid); PFDA (perfluoro-n-decanoic acid); PFUDA (perfluoro-n-undecanoic acid); PFDOA (perfluoro-n-dodecanoic acid); PFTeDA (perfluoro-n-tetradecanoic acid); PFTrDA (perfluoro-n-tridecanoic acid); PFHxDA (perfluoro-n-hexadecanoic acid); PFOA (perfluoro-n-octadecanoic acid); PFPrS (perfluoro-1-propane sulfonate); PFBS (perfluoro-1-butane sulfonate); PFPeS (perfluoro-1-pentane sulfonate); PFHxS (perfluoro-1-hexane sulfonate); PFHpS (perfluoro-1-heptane sulfonate); Br-PFOS (perfluoro-1-octane sulfonates, branched isomers); L-PFOS (perfluoro-1-octane sulfonate, linear form); Sum of PFOS (sum of linear form PFOS and branched isomers PFOS); PFNS (perfluoro-1-nonane sulfonate); PFDS (perfluoro-1-decane sulfonate); PFDoS (perfluoro-1-dodecane sulfonate); PFOSA (perfluoro-1-octanesulfonamide); N-EtFOSA (N-ethylperfluoro-1-octanesulfonamide); N-MeFOSA (N-methylperfluoro-1-octanesulfonamide); N-EtFOSE (N-ethylperfluorooctanesulfonamidoethanol); N-MeFOSE (N-methylperfluorooctanesulfonamidoethanol); 11Cl-PF3OUdS (11-chloroeicosafluoro-3-oxaundecane-1-sulfonate); 9Cl-PF3ONS (9-chlorohexadecafluoro-3-oxanonane-1-sulfonate); HFPO-DA (2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid); NaDONA (dodecafluoro-3H-4,8-dioxanonanoate); PFHxPA (perfluorohexylphosphonic acid); PFDoPA (perfluorodecylphosphonic acid); PFOPA (perfluorooctylphosphonic acid); sum of analytes expressed according to the KM 11.

<sup>xv</sup> in the range: furan, 2-methylfuran; 3-methylfuran.

<sup>xvi</sup> screening, non-target screening (fingerprinting) and/or confirmation analysis, profiling; thujone (alpha-, beta-) and sum of isomers as required by legislation;  $\alpha$ -bisabolol; borneol; isoborneol; camphene; camphor; 3-carene;  $\beta$ -caryophyllen; caryophyllen oxide; caryophyllen-trans, cedrol;  $\alpha$ -cedren; p-cymen; eucalyptol;  $\beta$ -eudesmol; fenchol; fenchonr; geranyl-acetate; guaiol;  $\alpha$ -humulene; isopulegol; limonene; linalool; menthol; myrcene;  $\beta$ -ocimene;  $\alpha$ -phellandrene;  $\alpha$ -pinene;  $\beta$ -pinene; pulegone; sabinene; sabinene hydrate;  $\alpha$ -terpineol; terpinene;  $\gamma$ -terpinene;  $\alpha$ -terpinolene; valencene.

<sup>xvii</sup> screening, non-target screening, profiling; squalen.

<sup>xviii</sup> in the range: 1,2-dipalmitoyl-3-chloropropan-1,2-diol (1,2-diP-3-MCPD); 1-palmitoyl-2-linoleoyl-3-chloropropan-1,2-diol (1-P-2-L-3-MCPD); 1-palmitoyl-2-oleoyl-3-chloropropan-1,2-diol (1-P-2-O-3-MCPD); 1-palmitoyl-2-stearoyl-3-chloropropan-1,2-diol (1-P-2-St-3-MCPD); 1,2-dilinoleoyl-3-chloropropan-1,2-diol (1,2-diL-3-MCPD); 1-oleoyl-2-linoleoyl-3-chloropropan-1,2-diol (1-O-2-L-3-MCPD); 1,2-dioleoyl-3-chloropropan-1,2-diol (1,2-diO-3-MCPD); 1-oleoyl-2-stearoyl-3-chloropropan-1,2-diol (1-O-2-St-3-MCPD); 1,2-distearoyl-3-chloropropan-1,2-diol (1,2-diSt-3-MCPD); glycidylaurate; glycidylmyristate; glycidylpalmitate; glycidyl-linolenate; glycidyl linoleate; glycidylolate; glycidylstearate. sum of analytes expressed according to the KM 16.

<sup>xix</sup> in the range: butyric acid (c4:0); caproic acid (c6:0), caprylic acid (c8:0), capric 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

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(c17:0), cis-10-heptadecenoic acid (c17:1), stearic acid (c18:0), oleic acid (c18:1n9c), vaccenic acid (c18:1n11c), elaidic acid (c18:1n9t), linoleic acid (c18:2n6c), linolelaidic acid (c18:2n6t),  $\gamma$ -linolenic acid (C18:3n6),  $\alpha$ -linolenic acid (C18:3n3), arachidic acid (c20:0), cis-11-eicosenoic acid, (c20:1n9), cis-11,14-eicosadienoic acid (c20:2), cis-8,11,14-eicosatrienoic acid (c20:3n6), cis-11,14,17-eicosatrienoic acid (c20:3n3), arachidonic acid (c20:4n6), cis-5,8,11,14,17-eicosapentaenoic acid (c20:5n3), heneicosanoic acid (c21:0), behenic acid (c22:0), erucic acid (c22:1n9), cis-13,16-docosadienoic acid (c22:2), cis-4,7,10,13,16,19-docosahexaenoic acid (c22:6n3), tricosanoic acid (c23:0), lignoceric acid (c24:0), nervonic acid (c24:1n9), cis-7,10,13,16,19-docosapentaenoic acid (C22:5n3); saturated fatty acids, monounsaturated fatty acids, polyunsaturated fatty acids, trans-unsaturated fatty acids, omega-3 and omega-6 unsaturated fatty acids: sum of analytes expressed according to the KM 17.

<sup>xx</sup> in the range: methanol; ethanol; propan-1-ol; propan-2-ol; butan-2-ol; 2-methyl-propan-1-ol; 2-methyl-butan-1-ol; 3-methyl-butan-1-ol; pentan-1-ol, hexan-1-ol; 2-methyl-propan-2-ol; acetaldehyd; ethyl acetate, ethyl formate, urethan (ethyl carbamate); sum of analytes expressed according to the KM 18 and legal documents.

<sup>xxi</sup> 3-MCPD; 2-MCPD.

<sup>xxii</sup> in the range: cocaine; ecgonine and screening of impurities and degradation products.

<sup>xxiii</sup> in the range:  $\Delta$ 9-THC (delta-9-tetrahydrocannabinol);  $\Delta$ 8-THC ( $\Delta$ 8-tetrahydrocannabinol);  $\Delta$ 9-THCA-A (delta-9-tetrahydrocannabinolic acid – A); CBC (cannabichromene); (CBCA) cannabichromenic acid; CBD (cannabidiol); CBDA (cannabidiolic acid); CBDV (cannabidivarin); CBDVA (cannabidivarinic acid); CBG (cannabigerol); CBGA (cannabigerolic acid); CBL (cannabicyclol); CBLA (cannabicyclolic acid); CBN (cannabinol); CBNA (cannabinolic acid); THCA (tetrahydrocannabinidiolic acid); THCv (tetrahydrocannabinol); THCVA (tetrahydrocannabinol); 11-H- $\Delta$ 9-THC(( $\pm$ ))-11-hydroxy- $\Delta$ 9-tetrahydrocannabinol); 11-nor-9-C- $\Delta$ 9-THC-Glu(( $\pm$ ))-11-nor-9-carboxy- $\Delta$ 9-tetrahydrocannabinol glucuronide); 11-nor-9-C- $\Delta$ 9-THC ((-))11-nor-9-carboxy- $\Delta$ 9-tetrahydrocannabinol); heroin (3,6-diacetylmorphine); cocaine; methamphetamine; screening of impurities and degradation products.

<sup>xxiv</sup> in the range: androst-4-ene-3,17-dione; androsta-1,4,6-triene-3,17-dione; boldenone; dehydroepiandrosterone (DHEA); dihydrotestosterone (DHT); dromostanolone; epiandrosterone; fluoxymesterone; guggulsterone (*E,Z*); mestanolone; mesterolone; methandienone; methenolone; methylandrosterone; mibolerone; nandrolone; norgestrel; oxandrolone; oxymetholone; progesterone; testosterone; testosterone-17-propionat; trenbolone acetate; 1-dehydroandrostenedione; 4,6-androstadien-3,17-dione; 5-androstane-3,17-dione; 5-androstene-3,17-diol; 5 $\beta$ -pregnane-3,20-dione; 7,17-dimethyltestosterone; 17-ethyl-19-nortestosterone; 17-methyl-19-nortestosterone; 17-methyltestosterone; 19-norandrostenedione.

<sup>xxv</sup> in the range: *Opium alkaloids*: codeine; laudanosine; morphine; noscapine; oripavine; papaverine; thebaine; sum of analytes expressed according to KM 23 and legal documents. *Tropane alkaloids*: 3- $\alpha$ -phenylacetoxypitropine; 6- $\beta$ -hydroxypitropine;  $\alpha$ -hydroxymethyl atropine; anisodamine; anisodine; apatropine; aposcopolamine; atropine; convolamine; convolidine; convolvine; fillalbine; homatropine; hyoscyne ((-)-scopolamine); littorine; noratropine; norscopolamine; nortropine; pseudotropine; tropine; tropinone; sum of analytes expressed according to the KM 23 and legal documents. *Pyrrolizidine alkaloids*: echimidine; echimidine-N-oxide; echinatine; echinatine N-oxide; erucifoline; erucifoline N-oxide; europine; europine-N-oxide; heliotrine; heliotrine-N-oxide; indicine; indicine N-oxide; intermedine; intermedine-N-oxide; jacobine; jacobine N-oxide; lasiocarpine; lasiocarpine-N-oxide; lycopsamine; lycopsamine-N-oxide; monocrotaline; monocrotaline N-oxide; retronecine; retrorsine; retrorsine-N-oxide; senecionine; senecionine N-oxide; seneciphylline; seneciphylline-N-oxide; senecivernine; senecivernine-N-oxide; senkirkine; trichodesmine; sum of analytes expressed according to the KM 23 and legal documents. *Chinolizidine alkaloids*: sparteine (sum (+)-sparteine and (-)-sparteine).

<sup>xxvi</sup> in the range: 1-OH-NAP (naphthalene-1-ol); 2-OH-NAP (naphthalene-2-ol); 2-OH-FLUO (fluorene-2-ol); 1-OH-PHEN (phenanthrene-1-ol); 2-OH-PHEN (phenanthrene-2-ol); 3-OH-PHEN (phenanthrene-3-ol); 4-OH-

**The Appendix is an integral part of  
Certificate of Accreditation 568/2020 of 15/09/2020**

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

**Vysoká škola chemicko-technologická v Praze**  
Metrological and Testing laboratory UCT Prague  
Technická 1903/3, 166 28 Praha 6 - Dejvice

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PHEN (phenanthrene-4-ol); 9-OH-PHEN (phenanthrene-9-ol); 6-OH-CHRY (chrysen-6-ol); 1-OH-PYR (pyrene-1-ol); 3-OH-BaP (benzo[a]pyrene-3-ol)

<sup>xxvii</sup> in the range: benzoic acid (E210); sorbic acid (E200); ascorbic acid (E300); acesulfame K (E950); aspartame (E951); cyclamate (E952); neohesperidine DC (E959); neotame E961); saccharin (E954); sucralose (E955); caffeine; theobromine; azorubine (E122); brilliant blue FCF (E133); brilliant black PN (E151); allura red AC (E129); patent blue V (E131); ponceau 4R (E124); tartrazine (E102); green S (E142); Sunset Yellow FCF (E110).

<sup>xxviii</sup> in the range: azorubine (E122); brilliant blue FCF (E133); brilliant black PN (E151); allura red AC (E129); patent blue V (E131); ponceau 4R (E124); tartrazine (E102); green S (E142); Sunset Yellow FCF (E110); fluorescein.

<sup>xxix</sup> in the range: pteroylmonoglutamoic acid (folic acid); (6S)-5-methyltetrahydrofolic acid (levomefolate); glucosamine salt of (6S)-5-methyltetrahydrofolic acid.