

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

|   |  |  |
|---|--|--|
|  <p><b>UKAS</b><br/>TESTING<br/>1642</p> <p>Accredited to<br/>ISO/IEC 17025:2017</p> | <h3>Fera Science Limited</h3> <p><b>Issue No:</b> 075    <b>Issue date:</b> 17 December 2025</p> |  |
|   | <p><b>Sand Hutton</b><br/>York<br/>YO41 1LZ</p>  | <p><b>Contact:</b> Ms L Cadwallader<br/><b>Tel:</b> +44 (0)1904 462261<br/><b>Fax:</b> +44 (0)1904 462111<br/><b>E-Mail:</b> sales@fera.co.uk<br/><b>Website:</b> www.fera.co.uk</p> |
| <p><b>Testing performed at the above address only</b></p>   |  |  |

### DETAIL OF ACCREDITATION

| Materials/Products tested                           | Type of test/Properties measured/Range of measurement  | Standard specifications/ Equipment/Techniques used  |
|---|--|---|
| ANIMAL FEEDS  | <p><u>Chemical Tests</u></p> <p><b>The organisation holds a flexible scope of accreditation using protocol FSG 106</b></p> <p><b>Please contact the organisation for details of the individual compounds that potentially can be analysed</b></p> <p>Compositional analysis<br/>Mycotoxins<br/>Organic environmental contaminants<br/>Pesticide residues<br/>Veterinary residues</p> | <p>Documented In-House Methods: Methods developed and validated following the Flexible Scope generic protocol FSG 106 and related procedures using sample preparation, extraction procedures, ELISA and instrumental analysis using GC, GC-MS, LC, LC-MS LC-MS/MS, Ion-exchange chromatography (IC)IC-MS/MS</p> |
| ANIMAL TISSUE, FLUIDS AND PRODUCTS                  | <p>Organic environmental contaminants<br/>Pesticide residues<br/>Veterinary residues<br/>Mycotoxins</p>  |   |
| FOODSTUFFS (FOOD AND BEVERAGES)<br>FOOD SUPPLEMENTS | <p>Compositional analysis<br/>Food additives<br/>Mycotoxins<br/>Organic environmental contaminants<br/>Pesticide residues<br/>Packaging ingredients<br/>Process contaminants<br/>Veterinary residues</p>   |   |
| PLANT MATERIALS                                     | <p>Mycotoxins<br/>Organic environmental contaminants<br/>Pesticide residues</p>  |   |



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| <p>SAMPLE EXTRACTS prepared from ANIMAL FEED, ANIMAL TISSUE, FOODS of ANIMAL ORIGIN, FOODSTUFFS and ENVIRONMENTAL SAMPLES</p> | <p><u>Chemical Tests</u></p> <p>*Indicates analysis performed under Food Standards Agency designated as an Official Laboratory (monitoring), and<br/>** National Reference Laboratory (additives) in accordance with assimilated European law AEUL OCR 2017/625</p> <p>Identification and quantitative determination of veterinary drug residues including:<br/>Avermectins<br/>Benzimidazoles<br/>Carazolo<br/>Ciprofloxacin<br/>Dinitrocarbanilide<br/>Enrofloxacin<br/>Flumequine<br/>Lasalocid<br/>Levamisole<br/>Malachite green<br/>Nalidixic acid<br/>Nitroimidazoles<br/>Oxolinic acid<br/>Sarafloxacin<br/>Sulphonamides<br/>Tetracyclines<br/>Tranquilisers</p> | <p>Documented In-House Methods identified by method number</p> <p>FSG/002 using LC-MS and LC-MS/MS</p> |
| <p>ANIMAL FEEDS</p>   | <p>Screening for Nitrofurans:<br/>Furaltadone<br/>Furazolidone<br/>Nitrofurantoin<br/>Nitrofurazone</p>   | <p>FSG367 using LC-MS/MS</p>   |
| <p>ANIMAL TISSUE and FOODS of ANIMAL ORIGIN MILK</p>  | <p>Screening for Antimicrobials (see Table 4 for list of analytes)</p>  | <p>FSG377 using LC-MS/MS</p>   |



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| ANIMAL TISSUE and FOODS of ANIMAL ORIGIN<br>HONEY | <u>Chemical Tests</u> (cont'd)<br><br>Screening for Aminoglycosides and spectinomycin<br><br>Dihydrostreptomycin<br>Streptomycin<br>Spectinomycin<br>Paromomycin<br>Apramycin<br>Kanamycin<br>Gentamicin<br>Neomycin | Documented In-House Methods identified by method number<br><br>FSG350 using LC-MS/MS |
| ANIMAL TISSUE and FOODS of ANIMAL ORIGIN          | Antimicrobials screening (see Table 4 for list of analytes)<br><br>Confirmation of trimethoprim  | FSG385 using LC-MS/MS  |
| Animal Tissue                                     | Determination of Nitrovin by LCMS  | FSG 388 using LC-MS/MS   |
| ANIMAL TISSUE and FOODS of ANIMAL ORIGIN          | Screening, quantification and confirmation for Avermectins:<br><br>Abamectin<br>Doramectin<br>Emamectin<br>Eprinomectin<br>Ivermectin<br>Moxidectin  | FSG302 using HPLC with Fluorimetric detection and/or LC-MS/MS                        |
| FISH<br>CRUSTACEANS                               | Screening, quantification and confirmation for dyes:<br>malachite green<br>leucomalachite green<br>crystal violet<br>leucocrystal violet   | FSG322 using LC-MS/MS  |
| KIDNEY, URINE                                     | Chloramphenicol (quantitative)   | FSG347 using LC-MS/MS  |
| KIDNEY  | Florfenicol and Thiamphenicol.   |  |



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| FEED   | <u>Chemical Tests</u> (cont'd)<br><br>Chloramphenicol & nitroimidazoles<br>dimetridazole<br>ipronidazole<br>metronidazole<br>ronidazole   | Documented In-House Methods identified by method number<br><br>FSG 381 using LC-MS/MS |
| ANIMAL TISSUE and FOODS of ANIMAL ORIGIN<br>HONEY            | Tetracyclines (see Table 4 for list of analytes)  | FSG375 using LC-MS/MS   |
| ANIMAL TISSUE and FOODS of ANIMAL ORIGIN                     | Screening, quantification and confirmation for Sulphonamides (see Table 3 for list of analytes)   | FSG308 using LC-MS/MS   |
| HONEY  | Dapsone   |   |
| ANIMAL TISSUE,<br>FEED<br>URINE<br>MOLASSES                  | Screening, quantification and confirmation of: $\beta$ Agonists (see Table 3 for list of analytes)  | FSG348 using LC-MS/MS   |
| ANIMAL TISSUE and FOODS of ANIMAL ORIGIN, HONEY, URINE, WINE | Chloramphenicol, thiamphenicol, florfenicol   | FSG342 using Solid Phase Extraction and LC-MS/MS                                      |
| EGG  | Tiamulin  | FSG384 using LC-MS/MS   |
| HONEY  | Penicillins including:<br>amoxicillin<br>cefazolin<br>penicillin G<br>penicillin V<br>ampicillin<br>oxacillin<br>cloxacillin<br>Dicloxacillin<br>methicillin<br>ticarcillin<br>phenethicillin | FSG353 using LC-MS/MS   |
| HONEY  | Naphthalene & 1,4-dichlorobenzene   | FSG355 using GCMS   |



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| ANIMAL and FISH TISSUE and FOODS of ANIMAL ORIGIN<br>HONEY<br>SHELLFISH<br>Food and beverages<br>Food supplements | <u>Chemical Tests</u> (cont'd)<br><br>Nitrofurantol metabolites as markers of nitrofurantol antibiotic drug use:<br><br>3-amino-2-oxazolidinone (AOZ)<br>5-methylmorpholine-3-amino-2-oxazolidinone (AMOZ)<br>l-aminohydantoin (AHD)<br>semicarbazide (SEM)<br>3,5-dinitrosalicylic acid hydrazide (DNSH) | Documented In-House Methods identified by method number<br><br>FSG341 using LC-MS/MS |
| ANIMAL TISSUE and FOODS of ANIMAL ORIGIN, ANIMAL FEEDS  | Screening, confirmation and quantitation for veterinary drugs (see Table 3 for list of Coccidiostats, Nitroimidazoles, Quinolones/Fluoroquinolones, Dyes, Macrolides, Tranquillisers, Phenolic anthelmintics and Benzimidazoles)  | FSG357 using extraction and clean-up procedures followed by LC/MS/MS                 |
| HONEY   | Screening, quantification and confirmation for:<br>Nitroimidazoles (see Table 3 for list of analytes)   |  |
| FEED  | Screening, quantification and confirmation for:<br>Coccidiostats (see Table 3 for list of analytes)   |  |
| KIDNEY  | Screening, quantification and confirmation for:<br>Non-steroidal Anti-inflammatory Drugs (NSAIDs)<br>(see Table 3 for list of analytes)   |  |
| FISH and SHELLFISH<br>Animal Feed and Feed Components   | FSG 390 Determination of Triphenylmethane and Triarylmethane Dyes   | FSG 390 using extraction and clean-up procedures followed by LC/MS/MS                |
| ANIMAL TISSUE and FOODS of ANIMAL ORIGIN  | Screening, quantification and confirmation of florfenicol at residue levels   | FSG339 using LC-MS/MS  |



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| ANIMAL TISSUE and FOODS of ANIMAL ORIGIN | <u>Chemical Tests</u> (cont'd)<br><br>Screening, quantification and confirmation for:<br>Non-steroidal Anti-inflammatory Drugs (NSAIDs)<br>(see Table 3 for list of analytes)<br><br>Gestagens including:<br>altrogest<br>chlormadinone acetate,<br>flugestone<br>medroxyprogesterone acetate<br>megestrol acetate<br>melengestrol acetate<br>altnogest | Documented In-House Methods identified by method number<br><br>FSG370 using LC-MS/MS<br><br>FSG376 using LC-MS/MS |
| Milk                                     | Non-steroidal Anti-inflammatory Drugs (NSAIDs) including (see Table 3 for list of analytes)   | FSG380 using LC-MS/MS   |
| Liver Milk                               | Glucocorticoids including betamethasone, dexamethasone, prednisole  | FSG371 using LC-MS/MS   |
| Urine, cattle serum, milk                | Steroids (see Table 4 for list of analytes)   | FSG373 using LC-MS/MS   |
| Liver, Fish                              | Steroids including :<br>diethylstilbestrol<br>hexestrol<br>dienestrol<br>17 $\alpha$ -trenbolone<br>taleranol<br>zeranol<br>17 $\alpha$ -methyltestosterone   | FSG374 using LC-MS/MS   |



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| URINE   | <u>Chemical Tests</u> (cont'd)<br><br>Thyrostats:<br>Methimazole (Tapazole)<br>Phenylthiouracil<br>Propylthiouracil<br>Thiouracil<br>Methylthiouracil<br>2-mercaptobenzimidazole<br>5,6-dimethyl-2-thiouracil<br>5-ethyl-2-thiouracil<br>6-benzyl-2-thiouracil | Documented In-House Methods identified by method number<br><br>FSG368 using LC-MS/MS                                  |
| MUSCLE  | Tiamulin   | FSG386 using LC-MS/MS   |
| ANIMAL TISSUE and FOODS of ANIMAL ORIGIN  | Ceftiofur  | FSG378 using LC-MS/MS   |
| FEED  | Methyltestosterone   | FSG379 using LC-MS/MS   |
| ANIMAL PRODUCTS<br>CHOCOLATE<br>HIGH FAT AND OIL PRODUCTS<br>FISH and FISH PRODUCTS<br>MEAT and MEAT PRODUCTS | Pesticide residues - detection, quantification and confirmation of Pesticides (see Table 2 for the list of analytes):  | FSG/159 by ethyl acetate solvent extraction with HPGPC clean-up and GC-MS/MS determination                            |
| CEREAL  | Trinexapac-ethyl   | FSG/169 by solvent extraction and LC-MS/MS determination  |
| FRUITS and VEGETABLES,<br>SUGAR, CEREALS, CANNABIS,<br>COMPOST, MODERN ORAL<br>POUCHES (MOPS) (TOBACCO)       | Dithiocarbamate fungicide residues (as CS <sub>2</sub> )   | FSG/153 using GC-MS/MS  |
| FRUITS and VEGETABLES<br>INFANT FOOD<br>CEREALS<br>CEREAL PRODUCTS<br>SEEDS                                   | Pesticide residues - detection, quantification and confirmation (see Table 1 for the list of analytes)   | FSG/154 and related standard operating procedures by multi-residue method using ethyl acetate extraction and GC-MS/MS |



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| FRUITS and VEGETABLES<br>CANNABIS<br>CEREALS<br>CEREAL PRODUCTS<br>INFANT FOOD<br>ANIMAL PRODUCTS<br>HONEY<br>CHOCOLATE and SUGAR<br>HIGH FAT and OIL PRODUCTS<br>FISH and FISH PRODUCTS<br>MEAT and MEAT PRODUCTS<br>COMPOST, ROCKWOOL,<br>MODERN ORAL POUCHES (MOPS)<br>(TOBACCO) | <u>Chemical Tests</u> (cont'd)<br><br>Detection, quantification and confirmation of pesticide residues (see Table 1 for list of analytes) | Documented In-House Methods identified by method number<br><br>FSG/167 and related standard operating procedures by multi-residue method using acetonitrile extraction and LC-MS/MS and GC-MS/MS determination |
| SUGAR, WATER (including for IRRIGATION), BEVERAGES  | Detection, quantification and confirmation of pesticide residues (see Table 2 for the list of analytes)                                   | FSG/168 by multi-residue method using SPE clean-up and LC-MS/MS  |
| WATER (including for IRRIGATION), BEVERAGES   | Detection, quantification and confirmation of pesticide residues (see Table 2 for the list of analytes)                                   | Extraction and SPE clean-up using FSG/173 and GC-MS  |
| CEREALS<br>CEREAL PRODUCTS<br>INFANT FOOD<br>FRUITS and VEGETABLES<br>ROCKWOOL  | ETU and iso-PTU   | FSG/164 using HPLC-MS/MS   |
| CEREALS<br>CEREAL PRODUCTS<br>INFANT FOOD<br>FRUITS and VEGETABLES  | Chlormequat<br>Mepiquat   | FSG/152 using HPLC-MS  |



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| <p>SAMPLES OF PLANT ORIGIN, CEREALS, ANIMAL TISSUE, FLUIDS AND PRODUCTS, WATER, INFANT FOOD, CANNABIS, MODERN ORAL POUCHES (MOPS) (TOBACCO) COMPOST, ROCKWOOL</p> | <p><u>Chemical Tests</u> (cont'd)</p> <p>Detection, quantification and confirmation of pesticide residues:</p> <p>AMPA<br/>n-acetyl-AMPA<br/>Chlorate<br/>Perchlorate<br/>Maleic hydrazide<br/>3-MPPA<br/>aminopyralid<br/>amitrole<br/>chlormequat<br/>clopyralid<br/>cyromazine<br/>daminozide<br/>ethephon<br/>Fosetyl-Al<br/>fosfomycin<br/>glufosinate<br/>glufosinate-N-acetyl<br/>glyphosate<br/>n-acetyl glyphosate<br/>Inorganic bromide<br/>mepiquat<br/>phosphonic acid<br/>trinexpac ethyl</p> | <p>Documented In-House Methods identified by method number</p> <p>FSG/185 using LC-MS/MS</p> |
| <p>Poultry Muscle</p>   | <p>Determination of Fosfomycin by LCMS</p>   | <p>FSG389 using LC-MS/MS</p>   |



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| ANIMAL FEEDS, BEVERAGES, FOODS and HUMAN TISSUES<br>CROPS<br>SOILS<br>POLLUTANTS and EFFLUENTS (solid)          | See Table 5 for list of analytes:<br><br>Polybrominated dibenzo-p-dioxins (PBDDs)*/**<br><br>Polybrominated dibenzofurans (PBDFs)*/**<br><br>Polychlorinated dibenzo-p-dioxins (PCDDs) and Total TEQ */**<br><br>Polychlorinated dibenzofurans (PCDFs) */** | FSG/403-406, FSG/407, FSG/409, FSG/412, FSG/413 using High Resolution Gas Chromatography-High Resolution Mass Spectrometry Isotope Dilution with <sup>13</sup> C - labelled internal standards                    |
| ANIMAL FEEDS, BEVERAGES, FOODS and HUMAN TISSUES<br>CROPS<br>SOILS<br>POLLUTANTS and EFFLUENTS (solid)          | See table 5 for list of analytes:<br><br>ICES 6/Non-Dioxin Like Polychlorinated biphenyls (NDL indicators PCBs) */**<br><br>Dioxin-Like Polychlorinated biphenyls (DL-PCBs) */**<br><br>Additional Polychlorinated biphenyls (PCBs) */**                    | FSG/403-406, FSG/408, FSG/409, using High Resolution Gas Chromatography-High and Low Resolution Mass Spectrometry Isotope Dilution with <sup>13</sup> C - labelled internal standards                             |
| ANIMAL FEEDS, BEVERAGES, FOODS and HUMAN TISSUES<br>CROPS<br>SOILS<br>POLLUTANTS and EFFLUENTS (solid)          | See table 5 for list of analytes:<br><br>Polybrominated biphenyls (PBBs) (Non-ortho and ortho) */**   | FSG/403-406, FSG/412, FSG/413 using High Resolution Gas Chromatography-High Resolution Mass Spectrometry Isotope Dilution with <sup>13</sup> C - labelled internal standards                                      |
| ANIMAL FEEDS, BEVERAGES, FOODS and HUMAN TISSUES<br>CROPS<br>SOILS<br>POLLUTANTS and EFFLUENTS (solid) (cont'd) | Polybrominated diphenyl ethers (PBDEs) */**<br>(see Table 5 for list of analytes)   | FSG/403-406 FSG/412 extraction and clean up of matrix and analysis using High Resolution Gas Chromatography-High Resolution Mass Spectrometry Isotope Dilution with <sup>13</sup> C - labelled Internal standards |
| FOODS<br>MODERN ORAL POUCHES (MOPS) (tobacco)   | Polycyclic aromatic hydrocarbons (PAHs) */**<br>(see Table 5 for list of analytes)  | FSG/410 using High Resolution Gas Chromatography-Low Resolution Mass Spectrometry Isotope Dilution with <sup>13</sup> C - labelled internal standards   |



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|  | <u>Chemical Tests</u> (cont'd)  | Documented In-House Methods identified by method number   |
| FOOD and FOOD PRODUCTS   | <u>Per and polyfluoroalkyl substances (PFAS) – see Table 10</u>   | FSG 417 using liquid chromatography with tandem mass spectrometry (LC-MS/MS)                      |
| FOODS<br>BEVERAGES   | Acesulfame-K<br>Aspartame<br>Saccharin  | FSG/259 using HPLC  |
| FOODS<br>BEVERAGES   | Acrylamide**  | FSG/262 using Gas Chromatography Mass Spectrometry (GC-MS)  |
| FOOD and Beverages   | acrylamide Furan<br><br>2-methyl furan<br>3-Methyl furan<br>2,5-Dmethyl furan<br>Ethyl furan<br>Butyl Furan<br>Pentyl furan | FSG/804 using Headspace extraction and GC-MS  |
| FOODS<br>BEVERAGES   | Benzoic acid<br>Sorbic acid   | FSG/256 using HPLC  |
| FOODS<br>BEVERAGES<br>BABY FOOD, CEREALS,<br>CEREAL PRODUCTS, PLANT<br>MATERIALS and EXTRACTS,<br>ANIMAL TISSUE, ANIMAL FEED | Aflatoxins B <sub>1</sub> , B <sub>2</sub> , G <sub>1</sub> , G <sub>2</sub> **   | FSG/251 using QuEChERS & immuno-affinity column clean-up and HPLC with post column derivatisation |
| FOODS<br>BEVERAGES<br>ANIMAL TISSUES<br>CEREALS<br>CEREAL PRODUCTS<br>BABY FOOD  | Ochratoxin A**  | FSG/252 using QuEChERS & immuno-affinity column clean-up and HPLC                                 |
| FOODS<br>BEVERAGES<br>BABY FOOD<br>MODERN ORAL POUCHES (MOPS)<br>(tobacco)   | Aflatoxins B <sub>1</sub> , B <sub>2</sub> , G <sub>1</sub> , G <sub>2</sub><br>Ochratoxin A (simultaneous determination)** | FSG/261 using immuno-affinity column clean-up and HPLC with post column derivatisation            |



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| FOODS<br>BEVERAGES<br>MODERN ORAL POUCHES (MOPS)<br>(tobacco)                      | <u>Chemical Tests</u> (cont'd)<br><br>Nitrate**<br>Nitrite**              | Documented In-House Methods identified by method number<br><br>FSG/255 using HPLC |
| MILK<br>INFANT FORMULA   | Aflatoxin M <sub>1</sub> **   | FSG/253 using immuno-affinity clean-up and HPLC                                   |
| CEREALS<br>CEREAL PRODUCTS<br>BABY FOOD  | Ergot alkaloids **<br>See table 7 for list of analytes                    | FSG/601 using LC-MS/MS  |
| CEREALS<br>CEREAL PRODUCTS<br>BABY FOOD  | cyanogenic glycosides **<br>See table 7 for list of analytes              | FSG/825 LC-MS/MS  |
| CEREALS<br>CEREAL PRODUCTS<br>BABY FOOD  | Fumonisin B <sub>1</sub> , B <sub>2</sub> , B <sub>3</sub> **             | FSG/264 using immuno-affinity clean-up and LC-MS/MS                               |
| ANIMAL FEED (CEREAL BASED)<br>CEREALS<br>PET FOODS<br>CEREAL PRODUCTS<br>BABY FOOD | Fusarium Multi-mycotoxins **<br>See table 7 for list of analytes          | FSG/818 using LC-MS/MS  |
| FOOD and beverages   | <u>Fusarium Multi-mycotoxins **</u><br>See table 7 for list of analytes   | FSG/828 using immunoaffinity column clean up and LC-MS/MS                         |
| FOOD and Feed  | <u>Deoxynivalenol</u><br><u>Zearalenone</u><br><u>T2 &amp; HT2 toxins</u> | FSG/820 using immunoaffinity column clean up and LC-MS/MS                         |
| CEREALS<br>CEREAL PRODUCTS<br>BABY FOOD  | Trichothecenes **   | FSG/263 using solid phase clean-up and LC/MS/MS                                   |
| CEREALS<br>CEREAL PRODUCTS<br>BABY FOOD  | Zearalenone **  | FSG/258 using immuno-affinity column clean-up and HPLC                            |
| FRUITS<br>FRUIT PRODUCTS   | Patulin **  | FSG/254 using HPLC or LC/MS/MS  |
| FOODS  | 3-Monochloropropane-1, 2-Diol<br>(3-MCPD) **                              | FSG/257 using GC-MS   |



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| Materials/Products tested  | Type of test/Properties measured/Range of measurement  | Standard specifications/ Equipment/Techniques used                   |
|--|--|--|
| FOODS  | Chemical Tests (cont'd)  | Documented In-House Methods identified by method number              |
| Oils and infant foods  | 2-monochloropropane-1,2-diol ((2-MCPD)<br>3-monochloropropane-1,2-diol (3-MCPD)<br>Glycidyl esters | FSG/419 using GC-MS  |
| FOOD, beverages and food supplements   | Styrene  | FSG/825 using headspace extraction and GC-MS                         |
| FOODS (of Marine and Plant origin)   | Arsenic (inorganic)  | FSG/466 using HPLC ICP-MS  |
| MATRICES/ELEMENTS THAT ARE ACID DIGESTABLE/ SOLUBLE INCLUDING:<br>ANIMAL FEEDS<br>BEVERAGES<br>FOODS<br>CROPS<br>SOILS | Single and multi-elemental analysis<br>*/**  | FSG/461 microwave acid extraction procedures using<br>FSG/457 ICP-MS |
| SAMPLES OF CLINICAL ORIGIN (covering blood, serum and organs of animal/human origin)                                   | Bromine<br>Chlorine<br>Iodine  | FSG/455 alkaline extraction (TMAH) using FSG/457 ICP-MS              |



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|--|--|--|
|  | <u>Chemical Tests</u> (cont'd)   | Documented In-House Methods identified by method number  |
| FISH and SHELLFISH (dried or fresh material) | Mono-methyl mercury  | FSG/454, FSG/461, FSG/464 microwave acid extraction procedures using FSG/457 inductively coupled plasma - quadruple mass spectrometry and high resolution mass spectrometry (ICP-MS)                               |
| FOOD AND FOOD PRODUCTS                       | Mono-methyl mercury  | Extraction using FSG/467, analysis using FSG/457 liquid chromatography with inductively coupled plasma -quadruple mass spectrometry and high-resolution mass spectrometry (ICP-MS) and determination using FSG/463 |
| FRUITS<br>BEVERAGES                          | D/HI and D/HII ratio determination for ethanol   | FSG/751 and FSG/752 using SNIF-NMR   |
|  | <sup>13</sup> C/ <sup>12</sup> C ratio determination for ethanol   | FSG/751 and FSG/753 using EA-C-IRMS  |
| HONEY  | Dihydroxy acetone (DHA)<br>5-(hydroxymethyl) furfural (HMF)<br>Methylglyoxal (MGO)   | FSG 783 using ultra-high performance liquid chromatography (UHPLC) and diode array detection.  |
|  | Leptosperin  | FSG 789 using liquid chromatography with ultraviolet and fluorescence detection  |
|  | 2-methoxyacetophenone (2-MAP)<br>2-methoxybenzoic acid (2-MBA)<br>3-phenyllactic acid (3-PA)<br>4-hydroxyphenyllactic acid (4-HPA) | FSG 784 using liquid chromatography tandem mass spectrometry (LC-MS/MS)  |
| FOODSTUFFS and PLANT MATERIAL                | Pyrrrolizidine Alkaloids **<br>See table 8 for list of analytes  | FSG/823 using LC-MS/MS   |
| FOOD and beverages                           | Tropane alkaloids<br>Atropine<br>Scopolamine   | FSG/826 using LC-MS/MS   |



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|--|---|---|
| <p>FOOD CONTACT MATERIALS AND ARTICLES</p> <p>Oil based products, baked products, beverages, food supplements, confectionary</p> | <p><u>Chemical Tests</u> (cont'd)</p> <p>Overall migration from packaging materials into aqueous food simulants by total immersion **</p> <p>Primary Aromatic Amines in 3% aqueous acetic acid food simulant **</p> <p>Formaldehyde and hexamethylenetetramine in 3% acetic acid food simulant **</p> <p>Analysis of Cannabinoids (For list of compounds see table 9)</p> <p>Determination of Cannabidiol (CBD)</p> | <p>Documented In-House Methods identified by method number</p> <p>Packaging 002 using Gravimetric technique</p> <p>Packaging 005 using LC-MS/MS</p> <p>Packaging 006 using spectrophotometry</p> <p>FSG/788 using solvent extraction and LC-MS/MS</p> <p>FSG/785 using solvent extraction and LC-UV</p> |



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|---|---|--|
| FOODSTUFFS<br><br>SAMPLES PREPARED FOR THE PURPOSES OF PROVISION OF PROFICIENCY TESTING MATERIALS | <u>Microbiological Tests</u><br><br>Detection of:<br><br><i>Clostridium botulinum</i> (spores and vegetative cells)<br><br><i>Clostridium botulinum</i> pre-formed toxins | Documented In-House Procedures<br><br>SMS/128 based on Bacteriological Analytical Manual (BAM) 2001<br><br>SMS/001 based on Bacteriological Analytical Manual (BAM) 2001 |
|   | Enumeration of:   |  |
|   | <i>Bacillus cereus</i> (presumptive)  | SMS034 based on BS EN ISO 7932:2004+A1:2020  |
|   | <i>Clostridium perfringens</i> (presumptive)  | SMS033 based on BS EN ISO 15213-2:2023   |
|   | Coagulase positive Staphylococci  | SMS034 based BS EN ISO 6888-1:2021+A1:2023   |
|   | Coliforms (presumptive)   | SMS033 based on BS EN ISO 4832:2006  |
|   | Lactic Acid Bacteria  | SMS033 based ISO 15214:1998  |
|   | <i>Listeria monocytogenes</i> and <i>Listeria</i> spp   | SMS034 based BS EN ISO 11290-2:2017  |
|   | Yeast   | SMS033 using RBC agar  |
|   | Total aerobic count at 30°C   | SMS034 based on BS EN ISO 4833-2:2013+Amd1:2022  |
|   | Enterobacteriaceae (presumptive)  | SMS033 based BS EN ISO 21528-2:2017  |
|   | Enterococci   | SMS034 using Slantez and Bartley Agar  |
|   | β-glucuronidase-positive <i>Escherichia coli</i>  | SMS033 based BS EN ISO 16649-2:2001  |





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|----------------------------|--|--|
| PLANTS and PLANT MATERIALS | <u>Plant Health Diagnostic Tests</u><br><br>Qualitative analysis for the diagnosis of plant pathogens and pests<br><br>Isolation and Identification of plant pathogenic bacteria   | Documented In-House Procedures<br><br>Method developed and validated following the Flexible Scope generic protocol FSG 106 and PLH/135 using real-time PCR<br><br>PLH/018, PLH/019 & PLH/020 by culture, extraction fatty acid profiling using GC  |
| POTATO HEEL ENDS           | Isolation and Identification of Brown rot ( <i>Ralstonia solanacearum</i> ) and Ring rot ( <i>Clavibacter sepedonicus</i> )<br><br>Identification of <i>Bemisia tabaci</i> puparia<br><br>Detection and identification of <i>Ditylenchus</i> to genus and <i>D. dipsaci</i> to species | PLH/163, PLH/165 & PLH/166 extraction, processing and primary screening of potato vascular cores for detection of Brown rot and Ring rot using indirect immunofluorescence (IF) assay for ring rot<br><br>PLH/102, PLH/103 slide preparation and microscopy<br><br>PLH/104, PLH/021 slide preparation and microscopy |
| PLANTS, SOILS AND WATER    | Morphological identification of Thrips palmi adults  | PLH/110, PLH/155 slide preparation and microscopy  |
| SOILS                      | Extraction of cyst nematodes for subsequent identification<br><br>Cyst nematode identification to genus<br><br>Cyst nematode viable eggs / juveniles count   | PLH/012 extraction using Fenwick can<br><br>PLH/047 extraction using Wye Washer<br><br>PLH/021, PLH/017 selection, preparation and mounting<br>PLH/015 by microscopy (species ID)<br><br>PLH/044 by microscopy   |



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|--|---|--|
| PLANTS and PLANT MATERIALS (cont'd)              | <u>Plant Health Diagnostic Tests</u> (cont'd)   | Documented In-House Procedures   |
| Potato roots                                     | Identification of Potato cyst nematodes ( <i>Globodera pallida</i> and <i>Globodera rostochiensis</i> )                   | PLH/049, PLH/015 by image analysis for digital capture<br>PLH/113 by PCR           |
|  | Detection and Identification of:<br>Potato cyst nematodes ( <i>Globodera pallida</i> and <i>Globodera rostochiensis</i> ) | PLH/049, PLH/015 by image analysis for digital capture<br>PLH/113 by PCR           |
| PLANTS, PLANT MATERIALS AND SOILS                | Identification of Nematode species  | PLH/049, PLH/021 by image analysis for digital capture and measurement             |
| Strawberry plants                                | <i>Colletotrichum acutatum</i>  | PLH/035 by ELISA   |
| PLANTS, SOILS AND WATER                          | Detection and Identification of:<br><i>Phytophthora ramorum</i> (sudden oak death) and <i>Phytophthora kernoviae</i>      | PLH/067<br>PLH/056 for morphological identification<br>PLH/055 using real-time PCR |
|  | Detection of Columnea latent viroid   | PLH/199 using real-time TaqMan RT-PCR  |
|  | Detection, Identification and Diagnosis of Chrysanthemum stunt viroid   | PLH/809 using real-time TaqMan RT-PCR  |
| LEAF MATERIAL FROM SUSCEPTIBLE SOLANACEOUS HOSTS | Detection of Potato spindle tuber viroid (PSTVd)  | PLH/077 using real-time PCR  |
| LEAF MATERIAL FROM SUSCEPTIBLE HOSTS             | Detection of Tomato black ring virus (TBRV) and Beet ringspot virus (BRSV)  | PHL/1320 by DAS- ELISA   |
| TOMATO PLANT LEAVES                              | Detection of Pepino mosaic Virus (PepMV)  | PLH/901 by ELISA   |



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|---------------------------|--|---|
| PLANT MATERIALS           | <u>Molecular Tests</u><br><br>Screening for EU authorised GMO's (Genetically modified organisms) (See Table 6)<br><br>Quantification of EU authorised GMOs:<br>- Roundup Ready™ (GT40-3-2) soya<br>- MON810 maize<br>- MON88302 oilseed rape | Documented In-House Methods identified by method number<br><br>PLH/899 Screening for authorised GMOs using Real-time PCR<br><br>PLH/900 using Real-time PCR |
| END                       |  |   |



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**TABLE 1: PESTICIDES**

| <b>FSG 154<br/>Ethyl acetate extraction</b> | <b>FSG 167<br/>Acetonitrile extraction</b> | <b>FSG 167 Rockwool</b> |
|---|--|-------------------------|
| aclonifen                                   | 1,4-dimethylnapthalene                     | acephate                |
| acrinathrin                                 | 2,4-D                                      | alachlor                |
| aldrin                                      | 2,4-DB                                     | aldrin                  |
| allethrin                                   | 2,4,5-T                                    | azinphos-ethyl          |
| amitraz                                     | 2-phenylphenol                             | azinphos-methyl         |
| atrazine                                    | 6-benzylaminopurine                        | bromophos               |
| azinphos-ethyl                              | abamectin                                  | bromophos-ethyl         |
| azinphos-methyl                             | acephate                                   | bromopropylate          |
| azoxystrobin                                | acetamiprid                                | carbenzazim             |
| benalaxyl                                   | acetochlor                                 | chlordane (cis)         |
| bendiocarb                                  | acibenzolar-S-methyl                       | chlordane (trans)       |
| bifenox                                     | aclonifen                                  | chlorfenvinphos         |
| bifenthrin                                  | acrinathrin                                | chlorpyrifos            |
| biphenyl                                    | alachlor                                   | chlorpyrifos-methyl     |
| bitertanol                                  | aldicarb                                   | chlorthal-dimethyl      |
| boscalid                                    | aldicarb sulfone                           | cyfluthrin              |
| bromophos                                   | aldicarb sulfoxide                         | cyhalothrin-lambda      |
| bromophos-methyl                            | aldrin                                     | cypermethrin            |
| bromopropylate                              | allethrin                                  | DDD-op                  |
| bupirimate                                  | ametocradin                                | DDD-pp                  |
| buprofezin                                  | amidosulfuron                              | DDE-op                  |
| cadusafos                                   | aminocarb                                  | DDE-pp                  |
| captafol                                    | amitraz                                    | DDT-op                  |
| captan                                      | asulam                                     | DDT-pp                  |
| carbaryl                                    | atrazine                                   | deltamethrin            |
| carbetamide                                 | azamethiphos                               | diazinon                |
| carbofuran                                  | azinphos-ethyl                             | dichlofluanid           |
| chlorbufam                                  | azinphos-methyl                            | dichlorvos              |
| chlordane (cis)                             | azoxystrobin                               | dicofol BD              |
| chlordane (trans)                           | BAC 10                                     | dieldrin                |
| chlorfenvinphos                             | BAC 12                                     | dimethoate              |
| chloridazon                                 | BAC 14                                     | ETU                     |
| chlorobenzilate                             | BAC 16                                     | endosulfan (I)          |
| chlorothalonil                              | benalaxyl                                  | endosulfan (II)         |
| chlorpropham                                | bendiocarb                                 | endosulfan-sulphate     |
| chlorpyrifos                                | bentazone                                  | endrin                  |
| chlorpyrifos-methyl                         | benthiavalicarb                            | ethion                  |
| chlorthal-dimethyl                          | benzovidiflupyr                            | etrimfos                |
| chlozolinate                                | bicyclopyrone                              | fenchlorophos-oxon      |
| cinidon-ethyl                               | bifenazate                                 | fenchlorphos            |
| clomazone                                   | bifenox                                    | fenitrothion            |
| coumaphos                                   | bifenthrin                                 | fenpropathrin           |
| cyanazine                                   | bioresmethrin                              | fensulfothion           |
| cycloate                                    | biphenyl                                   | fensulfothion-Sulfone   |



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| <b>FSG 154<br/>Ethyl acetate extraction</b> | <b>FSG 167<br/>Acetonitrile extraction</b> | <b>FSG 167 Rockwool</b>      |
|---|--|------------------------------|
| cyfluthrin                                  | bispyribac-sodium                          | fensulfothion-oxon           |
| cyhalothrin-lambda                          | bitertanol                                 | fensulfothion-oxon-sulfone   |
| cypermethrin                                | bixafen                                    | fenthion                     |
| cyproconazole                               | boscalid                                   | fenthion sulfone             |
| cyprodinil                                  | bromophos                                  | fenthion sulfoxide           |
| DDD-op                                      | bromophos-ethyl                            | fenthion-oxon                |
| DDD-pp                                      | bromopropylate                             | fenthion-oxon sulfone        |
| DDE pp                                      | bromoxynil                                 | fenthion-oxon sulfoxide      |
| DDE-op                                      | bromuconazole                              | fenvalerate                  |
| DDT-op                                      | BTS 40348                                  | flucythrinate                |
| DDT-pp                                      | BTS 44595                                  | fluvalinate                  |
| deltamethrin                                | BTS 44596                                  | fonofos                      |
| diazinon                                    | bupirimate                                 | HCH-alpha                    |
| dichlobenil                                 | buprofezin                                 | HCH-beta                     |
| dichlofluanid                               | butachlor                                  | HCH-delta                    |
| dichlorvos                                  | butocarboxim                               | HCH-epsilon                  |
| dicloran                                    | butocarboxim sulfone                       | HCH-gamma                    |
| dicofol                                     | butocarboxim sulfoxide                     | heptachlor                   |
| dicrotophos                                 | butoxycarboxim                             | heptachlor epoxide (cis)     |
| dieldrin                                    | cadusafos                                  | heptachlor epoxide (trans)   |
| difenoconazole                              | captan                                     | hexachlorobenzene            |
| diflufenican                                | carbaryl                                   | imidacloprid                 |
| dimethenamid                                | carbendazim                                | inorganic bromide            |
| dimethoate                                  | carbetamide                                | malaoxon                     |
| dimethomorph                                | carbofuran                                 | malathion                    |
| diniconazole                                | carbofuran (3-hydroxy)                     | mecarbam                     |
| diphenylamine                               | carboxin                                   | methacrifos                  |
| DMST  | carfentrazone-ethyl                        | methamidophos                |
| edifenphos                                  | chlorantraniliprole                        | methidathion                 |
| endosulfan (I)                              | chlorbufam                                 | methoxychlor                 |
| endosulfan (II)                             | chlordan (cis)                             | mirex                        |
| endosulfan sulfate                          | chlordan (trans)                           | monocrotophos                |
| endrin                                      | chlorfenapyr                               | n-desethyl-pirimiphos-methyl |
| EPN   | chlorfenvinphos                            | octachlorodipropyl ether     |
| epoxiconazole                               | chlorfluazuron                             | omethoate                    |
| EPTC  | chloridazon                                | oxychlordan                  |
| ethion                                      | chlorobenzilate                            | paraoxon-ethyl               |
| ethofumesate                                | 2-chloroethanol                            | paraoxon-methyl              |
| ethoprophos                                 | chlorothalonil                             | parathion-ethyl              |
| ethoxyquin                                  | chlorotoluron                              | parathion-methyl             |
| etoxazole                                   | chlorpropham                               | pendimethalin                |
| etridiazole                                 | chlorpyrifos                               | pentachloroaniline           |
| etrimfos                                    | chlorpyrifos-methyl                        | pentachlorothioanisole       |
| famoxadone                                  | chlorthal-dimethyl                         | permethrin                   |
| fenarimol                                   | chlortoluron                               | phosalone                    |
| fenazaquin                                  | chlozolinate                               | phosmet                      |
| fenbuconazole                               | chromafenozide                             | piperonyl butoxide           |



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| <b>FSG 154</b><br><b>Ethyl acetate extraction</b> | <b>FSG 167</b><br><b>Acetonitrile extraction</b> | <b>FSG 167 Rockwool</b> |
|---|--|-------------------------|
| fenitrothion                                      | cinidon-ethyl                                    | pirimiphos-ethyl        |
| fenoxycarb  | clethodim  | pirimiphos-methyl       |
| fenpropathrin                                     | clofentezine                                     | procymidone             |
| fenpropidin                                       | clomazone  | profenofos              |
| fenpropimorph                                     | clopyralid                                       | prothiofos              |
| fensulfothion                                     | clothianidin                                     | PTU                     |
| fenvalerate                                       | coumaphos  | pyrethrins              |
| fluazifop-butyl                                   | cruformate                                       | quinalphos              |
| flucythrinate                                     | cyanazine  | quintozene              |
| fludioxonil                                       | cyanitraniptrole                                 | tecnazene               |
| flufenacet  | cyazofamid                                       | tetradifon              |
| fluquinconazole                                   | cycloate   | thiacloprid             |
| flurochloridone                                   | cycloxydim                                       | thiophanate-methyl      |
| flusilazole                                       | cyflufenamid                                     | vinclozolin             |
| flutolanil  | cyfluthrin                                       | <b>END OF LIST</b>      |
| fluvalinate                                       | cyhalofop-butyl                                  |                         |
| folpet  | cyhalothrin-lambda                               |                         |
| fonofos   | cymoxanil  |                         |
| formothion  | cypermethrin                                     |                         |
| furalaxyl   | cyproconazole                                    |                         |
| HCH-alpha   | cyprodinil                                       |                         |
| HCH-beta  | cyromazine                                       |                         |
| HCH-delta   | DDAC   |                         |
| HCH-gamma   | DDD-op   |                         |
| heptachlor  | DDD-pp   |                         |
| heptachlor epoxide (cis)                          | DDE-op   |                         |
| heptachlor epoxide (trans)                        | DDE-pp   |                         |
| heptenophos                                       | DDT-op   |                         |
| hexachlorobenzene                                 | DDT-pp   |                         |
| hexaconazole                                      | deltamethrin                                     |                         |
| hexazinone  | demeton-S-methyl                                 |                         |
| imazalil  | demeton-S-methyl sulfone                         |                         |
| iprodione   | desmedipham                                      |                         |
| isazofos  | desmetryn  |                         |
| isocarbophos                                      | diafenthion                                      |                         |
| isofenphos  | diazinon   |                         |
| isofenphos-methyl                                 | dicamba  |                         |
| kresoxim-methyl                                   | dichlobenil                                      |                         |
| lenacil   | dichlofluanid                                    |                         |
| malaaxon  | dichlorprop                                      |                         |
| malathion   | dichlorvos                                       |                         |
| mecarbam  | diclobutrazol                                    |                         |
| mepanipyrim                                       | dicloran   |                         |
| mephosfolan                                       | dicofol  |                         |
| metalaxyl   | dicrotophos                                      |                         |
| metazachlor                                       | dieldrin   |                         |
| metconazole                                       | diethofencarb                                    |                         |



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| <b>FSG 154<br/>Ethyl acetate extraction</b> | <b>FSG 167<br/>Acetonitrile extraction</b> | <b>FSG 167 Rockwool</b> |
|---|--|-------------------------|
| methacrifos                                 | difenoconazole                             |                         |
| methidathion                                | diflubenzuron                              |                         |
| methiocarb                                  | diflufenican                               |                         |
| methoxychlor                                | dimethenamid                               |                         |
| metolachlor                                 | dimethoate                                 |                         |
| metoxuron                                   | dimethomorph                               |                         |
| metribuzin                                  | dimoxystrobin                              |                         |
| mevinphos                                   | diniconazole                               |                         |
| monocrotophos                               | dinoseb                                    |                         |
| myclobutanil                                | dinotefuran                                |                         |
| napropamide                                 | diphenylamine                              |                         |
| nitrofen                                    | disulfoton                                 |                         |
| nitrothal-isopropyl                         | disulfoton sulfone                         |                         |
| ofurace                                     | disulfoton sulfoxide                       |                         |
| omethoate                                   | dithianon                                  |                         |
| oxadiazon                                   | diuron                                     |                         |
| oxadixyl                                    | DMF  |                         |
| oxychlorane                                 | DMPF                                       |                         |
| oxyfluorfen                                 | DMSA                                       |                         |
| paclobutrazol                               | dodine                                     |                         |
| paraoxon-methyl                             | emamectin benzoate                         |                         |
| parathion                                   | endosulfan (I)                             |                         |
| parathion-methyl                            | endosulfan (II)                            |                         |
| penconazole                                 | endosulfan-sulphate                        |                         |
| pendimethalin                               | endrin                                     |                         |
| pentachloroaniline                          | EPN  |                         |
| pentanochlor                                | epoxiconazole                              |                         |
| permethrin                                  | EPTC                                       |                         |
| 2-phenylphenol                              | esfenvalerate                              |                         |
| phenthoate                                  | ethiofencarb                               |                         |
| phosalone                                   | ethiofencarb sulfone                       |                         |
| phosmet                                     | ethiofencarb sulphoxide                    |                         |
| phosphamidon                                | ethion                                     |                         |
| piperonyl butoxide                          | ethiprole                                  |                         |
| pirimicarb                                  | ethirimol                                  |                         |
| pirimiphos ethyl                            | ethofumesate                               |                         |
| pirimiphos-methyl                           | ethoprophos                                |                         |
| prochloraz                                  | etofenprox                                 |                         |
| procymidone                                 | etoxazole                                  |                         |
| profenofos                                  | etridiazole                                |                         |
| prometryn                                   | etrimfos                                   |                         |
| propachlor                                  | ethylene oxide                             |                         |
| propanil                                    | famoxadone                                 |                         |
| propargite                                  | fenamidone                                 |                         |
| propetamphos                                | fenamiphos                                 |                         |
| propham                                     | fenamiphos sulfone                         |                         |
| propiconazole                               | fenamiphos sulfoxide                       |                         |



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| <b>FSG 154<br/>Ethyl acetate extraction</b> | <b>FSG 167<br/>Acetonitrile extraction</b> | <b>FSG 167 Rockwool</b> |
|---|--|-------------------------|
| propoxur                                    | fenarimol                                  |                         |
| propyzamide                                 | fenazaquin                                 |                         |
| prosulfocarb                                | fenbuconazole                              |                         |
| prothioconazole                             | fenbutatin oxide                           |                         |
| prothiofos                                  | fenchlorophos                              |                         |
| pyrazophos                                  | fenchlorophos-oxon                         |                         |
| pyridaben                                   | fenhexamid                                 |                         |
| pyridaphenthion                             | fenitrothion                               |                         |
| pyrifenox                                   | fenoprop                                   |                         |
| pyrimethanil                                | fenoxycarb                                 |                         |
| quinalphos                                  | fenpropathrin                              |                         |
| quinomethionate                             | fenpropidin                                |                         |
| quinoxifen                                  | fenpropimorph                              |                         |
| quintozene                                  | fenpyrazamine                              |                         |
| simazine                                    | fenpyroximate                              |                         |
| spirodiclofen                               | fensulfothion                              |                         |
| tebufenpyrad                                | fensulfothion sulfone                      |                         |
| tebuthiuron                                 | fensulfothion sulfoxide                    |                         |
| tecnazene                                   | fensulfothion-oxon                         |                         |
| tefluthrin                                  | fensulfothion-oxon-sulfone                 |                         |
| tepraloxydim                                | fenthion                                   |                         |
| terbutylazine                               | Fenthion-oxon                              |                         |
| terbutryn                                   | fenthion-oxon sulfone                      |                         |
| tetrachlorvinphos                           | fenthion-oxon sulfoxide                    |                         |
| tetraconazole                               | fenthion sulfone                           |                         |
| tetradifon                                  | fenthion sulfoxide                         |                         |
| tetramethrin                                | fentin acetate                             |                         |
| thiabendazole                               | fenvalerate                                |                         |
| Tolclofos-methyl                            | fipronil                                   |                         |
| tolyfluanid                                 | fipronil de-sulfinyl                       |                         |
| triadimefonacetochlor                       | fipronil-sulfone                           |                         |
| triallate                                   | fipronil sulphide                          |                         |
| triazophos                                  | flonicamid                                 |                         |
| trifloxystrobin                             | florasulam                                 |                         |
| trifluralin                                 | fluazifop (free acid)                      |                         |
| vinclozolin                                 | fluazifop-p-butyl                          |                         |
| <b>END OF LIST</b>                          | fluazinam                                  |                         |
|   | flubendiamide                              |                         |
|   | flucythrinate                              |                         |
|   | fludioxonil                                |                         |
|   | flufenacet                                 |                         |
|   | flufenoxuron                               |                         |
|   | flumethrin                                 |                         |
|   | fluopicolide                               |                         |
|   | fluopyram                                  |                         |
|   | fluorochloridone                           |                         |
|   | fluoxastrobin                              |                         |



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| FSG 154<br>Ethyl acetate extraction | FSG 167<br>Acetonitrile extraction | FSG 167 Rockwool |
|-------------------------------------|------------------------------------|------------------|
|                                     | flupyradifurone                    |                  |
|                                     | fluquinconazole                    |                  |
|                                     | flurochloridone                    |                  |
|                                     | fluroxypyr                         |                  |
|                                     | flusilazole                        |                  |
|                                     | flutolanil                         |                  |
|                                     | flutriafol                         |                  |
|                                     | fluvalinate                        |                  |
|                                     | fluxapyroxad                       |                  |
|                                     | folpet                             |                  |
|                                     | fonofos                            |                  |
|                                     | formetanate-HCl                    |                  |
|                                     | formothion                         |                  |
|                                     | fosthiazate                        |                  |
|                                     | fuberidazole                       |                  |
|                                     | furalaxyl                          |                  |
|                                     | furathiocarb                       |                  |
|                                     | furmecyclox                        |                  |
|                                     | halauxifen-methyl                  |                  |
|                                     | halofenozide                       |                  |
|                                     | halosulfuron-methyl                |                  |
|                                     | haloxyfop (free acid)              |                  |
|                                     | haloxyfop methyl                   |                  |
|                                     | HCH-alpha                          |                  |
|                                     | HCH-beta                           |                  |
|                                     | HCH-delta                          |                  |
|                                     | HCH-gamma                          |                  |
|                                     | HCH-epsilon mirex                  |                  |
|                                     | heptachlor                         |                  |
|                                     | heptachlor epoxide (cis)           |                  |
|                                     | heptachlor epoxide (trans)         |                  |
|                                     | heptenophos                        |                  |
|                                     | hexachlorobenzene                  |                  |
|                                     | hexaconazole                       |                  |
|                                     | hexazinone                         |                  |
|                                     | hexaflumuron                       |                  |
|                                     | hexythiazox                        |                  |
|                                     | imazalil                           |                  |
|                                     | imazamox                           |                  |
|                                     | imazethapyr                        |                  |
|                                     | imazapic                           |                  |
|                                     | imazaquin                          |                  |
|                                     | imidacloprid                       |                  |
|                                     | indoxacarb                         |                  |
|                                     | iodosulfuron-methyl sodium         |                  |
|                                     | ioxynil                            |                  |
|                                     | iprodione                          |                  |



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| FSG 154<br>Ethyl acetate extraction | FSG 167<br>Acetonitrile extraction | FSG 167 Rockwool |
|-------------------------------------|------------------------------------|------------------|
|                                     | iprovalicarb                       |                  |
|                                     | isazofos                           |                  |
|                                     | isocarbofos                        |                  |
|                                     | isofenphos                         |                  |
|                                     | isofenphos-methyl                  |                  |
|                                     | isoprocarb                         |                  |
|                                     | isoprothiolane                     |                  |
|                                     | isoproturon                        |                  |
|                                     | isopyrazam                         |                  |
|                                     | isoxaben                           |                  |
|                                     | isoxaflutole                       |                  |
|                                     | kresoxim-methyl                    |                  |
|                                     | isoflucypram                       |                  |
|                                     | lenacil                            |                  |
|                                     | linuron                            |                  |
|                                     | lufenuron                          |                  |
|                                     | malaoxon                           |                  |
|                                     | malathion                          |                  |
|                                     | mandipropamid                      |                  |
|                                     | matrine                            |                  |
|                                     | MCPA                               |                  |
|                                     | MCPB                               |                  |
|                                     | mecarbam                           |                  |
|                                     | mecoprop                           |                  |
|                                     | mefentrifluconazole                |                  |
|                                     | mepanipyrim                        |                  |
|                                     | mephosfolan                        |                  |
|                                     | mepronil                           |                  |
|                                     | mesosulfuron-methyl                |                  |
|                                     | mesotrione                         |                  |
|                                     | metaflumizone                      |                  |
|                                     | metalaxyl                          |                  |
|                                     | metamitron                         |                  |
|                                     | metazachlor                        |                  |
|                                     | metconazole                        |                  |
|                                     | methabenzthiazuron                 |                  |
|                                     | methacrifos                        |                  |
|                                     | methamidophos                      |                  |
|                                     | methidathion                       |                  |
|                                     | methiocarb                         |                  |
|                                     | methiocarb sulfoxide               |                  |
|                                     | methiocarb sulphone                |                  |
|                                     | methomyl                           |                  |
|                                     | methoxychlor                       |                  |
|                                     | methoxyfenozide                    |                  |
|                                     | metobromuron                       |                  |
|                                     | metolachlor                        |                  |



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| <b>FSG 154<br/>Ethyl acetate extraction</b> | <b>FSG 167<br/>Acetonitrile extraction</b> | <b>FSG 167 Rockwool</b> |
|---|--|-------------------------|
|   | metolcarb                                  |                         |
|   | metosulam                                  |                         |
|   | metoxuron                                  |                         |
|   | metrafenone                                |                         |
|   | metribuzin                                 |                         |
|   | metsulfuron-methyl                         |                         |
|   | mevinphos                                  |                         |
|   | molinate                                   |                         |
|   | monocrotophos                              |                         |
|   | monolinuron                                |                         |
|   | monuron                                    |                         |
|   | myclobutanil                               |                         |
|   | napropamide                                |                         |
|   | neburon                                    |                         |
|   | nicotine                                   |                         |
|   | nicosulfuron                               |                         |
|   | nitenpyram                                 |                         |
|   | nitrofen                                   |                         |
|   | nitrothal-isopropyl                        |                         |
|   | novaluron                                  |                         |
|   | nuarimol                                   |                         |
|   | octachlorodipropl ether                    |                         |
|   | ofurace                                    |                         |
|   | omethoate                                  |                         |
|   | oxadiargyl                                 |                         |
|   | oxadiazon                                  |                         |
|   | oxadixyl                                   |                         |
|   | oxamyl                                     |                         |
|   | oxasulfuron                                |                         |
|   | oxychlorthane                              |                         |
|   | oxydemeton-methyl                          |                         |
|   | oxyfluorfen                                |                         |
|   | oxymatrine                                 |                         |
|   | paclobutrazol                              |                         |
|   | paraoxon-ethyl                             |                         |
|   | paraoxon-methyl                            |                         |
|   | parathion-ethyl                            |                         |
|   | parathion-methyl                           |                         |
|   | penconazole                                |                         |
|   | pencycuron                                 |                         |
|   | pendimethalin                              |                         |
|   | penflufen                                  |                         |
|   | pentachloroanaline                         |                         |
|   | pentachlorophenol                          |                         |
|   | pentanochlor                               |                         |
|   | pentachlorothioanisole                     |                         |
|   | pentiopyrad                                |                         |



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| FSG 154<br>Ethyl acetate extraction | FSG 167<br>Acetonitrile extraction | FSG 167 Rockwool |
|-------------------------------------|------------------------------------|------------------|
|                                     | permethrin                         |                  |
|                                     | phenmedipham                       |                  |
|                                     | phenthoate                         |                  |
|                                     | phorate                            |                  |
|                                     | phorate sulfone                    |                  |
|                                     | phorate sulfoxide                  |                  |
|                                     | phosalone                          |                  |
|                                     | phosmet                            |                  |
|                                     | phosphamidon                       |                  |
|                                     | phoxim                             |                  |
|                                     | picloram                           |                  |
|                                     | picolinafen                        |                  |
|                                     | picoxystrobin                      |                  |
|                                     | piperonyl butoxide                 |                  |
|                                     | pirimicarb                         |                  |
|                                     | pirimicarb-desmethyl               |                  |
|                                     | pirimiphos-ethyl                   |                  |
|                                     | pirimiphos-methyl                  |                  |
|                                     | n-desmethyl pirimiphos-methyl      |                  |
|                                     | prochloraz                         |                  |
|                                     | procymidone                        |                  |
|                                     | profenofos                         |                  |
|                                     | promecarb                          |                  |
|                                     | prometryn                          |                  |
|                                     | propachlor                         |                  |
|                                     | propamocarb                        |                  |
|                                     | propanil                           |                  |
|                                     | propaquizafop                      |                  |
|                                     | propargite                         |                  |
|                                     | propetamphos                       |                  |
|                                     | propham                            |                  |
|                                     | propiconazole                      |                  |
|                                     | propoxur                           |                  |
|                                     | propyzamide                        |                  |
|                                     | proquinazid                        |                  |
|                                     | prosulfocarb                       |                  |
|                                     | prosulfuron                        |                  |
|                                     | prothioconazole-desthio            |                  |
|                                     | prothiofos                         |                  |
|                                     | pydiflumetofen                     |                  |
|                                     | pymetrozine                        |                  |
|                                     | pyraclostrobin                     |                  |
|                                     | pyraflufen-ethyl                   |                  |
|                                     | pyrazophos                         |                  |
|                                     | pyrethrins                         |                  |
|                                     | pyridaben                          |                  |



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| <b>FSG 154</b><br><b>Ethyl acetate extraction</b> | <b>FSG 167</b><br><b>Acetonitrile extraction</b> | <b>FSG 167 Rockwool</b> |
|---|--|-------------------------|
|   | pyridalyl  |                         |
|   | pyridaphenthion                                  |                         |
|   | pyridate   |                         |
|   | pyrifenoxy                                       |                         |
|   | primethanil                                      |                         |
|   | pyriproxyfen                                     |                         |
|   | pyroxsulam                                       |                         |
|   | quassia  |                         |
|   | quinalphos                                       |                         |
|   | quinmerac  |                         |
|   | quinochlorim                                     |                         |
|   | quinoxifen                                       |                         |
|   | quintozene                                       |                         |
|   | quizalofop-p                                     |                         |
|   | rimsulfuron                                      |                         |
|   | rotenone   |                         |
|   | saflufenacil                                     |                         |
|   | simazine   |                         |
|   | spinetoram                                       |                         |
|   | spinosad   |                         |
|   | spirodiclofen                                    |                         |
|   | spiromesifen                                     |                         |
|   | spirotriamat                                     |                         |
|   | spirotriamat-enol                                |                         |
|   | spirotriamat BY108330-<br>ketoxyfenoxy           |                         |
|   | spiroxamine                                      |                         |
|   | sulcotriene                                      |                         |
|   | sulfoxaflor                                      |                         |
|   | tebuconazole                                     |                         |
|   | tebufenozide                                     |                         |
|   | tebufenpyrad                                     |                         |
|   | tebupirimfos                                     |                         |
|   | tebuthiuron                                      |                         |
|   | tecnazene  |                         |
|   | teflubenzuron                                    |                         |
|   | tefluthrin                                       |                         |
|   | tepraloxydim                                     |                         |
|   | terbacil   |                         |
|   | terbufos   |                         |
|   | terbufos sulfone                                 |                         |
|   | terbufos sulfoxide                               |                         |
|   | terbumeton                                       |                         |
|   | terbuthylazine                                   |                         |
|   | terbutryn  |                         |
|   | tetrachlorvinphos                                |                         |
|   | tetraconazole                                    |                         |



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| <b>FSG 154<br/>Ethyl acetate extraction</b> | <b>FSG 167<br/>Acetonitrile extraction</b> | <b>FSG 167 Rockwool</b> |
|---|--|-------------------------|
|   | tetradifon                                 |                         |
|   | tetramethrin                               |                         |
|   | TFNA                                       |                         |
|   | TFNG                                       |                         |
|   | thiabendazole                              |                         |
|   | thiacloprid                                |                         |
|   | thiamethoxam                               |                         |
|   | thiodicarb                                 |                         |
|   | thiophanate-methyl                         |                         |
|   | tolclofos-methyl                           |                         |
|   | tolfenpyrad                                |                         |
|   | tolyfluanid                                |                         |
|   | triadimefon                                |                         |
|   | triadimefonfluometuron                     |                         |
|   | triadimenol                                |                         |
|   | triallate                                  |                         |
|   | triasulfuron                               |                         |
|   | triazamate (free acid)                     |                         |
|   | triazophos                                 |                         |
|   | trichlorfon                                |                         |
|   | triclopyr                                  |                         |
|   | tricyclazole                               |                         |
|   | trifloxystrobin                            |                         |
|   | triflumizole                               |                         |
|   | triflumuron                                |                         |
|   | trifluralin                                |                         |
|   | triflusulfuron-methyl                      |                         |
|   | triforine                                  |                         |
|   | 3-triasulfuron methyl                      |                         |
|   | triticonazole                              |                         |
|   | tritosulfuron                              |                         |
|   | vamidothion                                |                         |
|   | vinclozolin                                |                         |
|   | zoxamide                                   |                         |
|   | cyflumetofen                               |                         |
|   | Triflumizole metabolite FM-6-1             |                         |
|   | Pencycuron-PB-amine                        |                         |
|   | Carboxin sulfone                           |                         |
|   | <b>END OF LIST</b>                         |                         |



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**TABLE 2: PESTICIDES**

| <b>FSG 168</b><br><b>Solid phase extraction</b> | <b>FSG 173</b><br><b>Solid phase extraction</b> | <b>FSG 159</b><br><b>Detection/confirmation of Organophosphorus compounds</b> |
|---|---|---|
| 2,3,6-TBA                                       | 2-phenylphenol                                  | acephate  |
| 2,4,5-T   | aclonifen                                       | aldrin  |
| 2,4-D   | aldrin  | bifenthrin  |
| 2,4-DB  | atrazine  | bromophos-ethyl   |
| 2-aminoflubendazole                             | benalaxyl                                       | cadusafos   |
| 5-hydroxythiabendazole                          | benfluralin                                     | carbaryl  |
| Abamectin                                       | captan  | carbofuran  |
| Acetamiprid                                     | Carfentrazone-ethyl                             | chlordane (cis)   |
| Acetochlor                                      | chlordane (cis)                                 | chlordane (trans)   |
| acibenzolar-S-methyl                            | chlordane (trans)                               | chlorfenvinphos   |
| Alachlor  | chlorothalonil                                  | chlorobenzilate   |
| Albendazole                                     | chlorpropham                                    | chlorpropham  |
| Aldicarb  | chlorpyrifos                                    | chlorpyrifos  |
| aldicarb sulfone                                | clomazone                                       | chlorpyrifos-methyl   |
| aldicarb sulfoxide                              | cyanazine                                       | cyfluthrin  |
| Ametoctradin                                    | cyfluthrin                                      | cyhalothrin-lambda  |
| amidosulfuron                                   | cyhalothrin-lambda                              | cypermethrin  |
| Amisulbrom                                      | cypermethrin                                    | DDD-op  |
| Azoxystrobin                                    | DDD-op  | DDD-pp  |
| Bendiocarb                                      | DDE-pp  | DDE-op  |
| Bentazone                                       | DDT-op  | DDE-pp  |
| benthiavalicarb-isopropyl                       | DDT-pp  | DDT-op  |
| Bispyribac-sodium                               | deltamethrin                                    | DDT-pp  |
| Bromacil  | dieldrin  | deltamethrin  |
| Boscalid  | dimethenamid                                    | diazinon  |
| Bromoxynil                                      | endosulfan (I)                                  | dichlorvos  |
| bromuconazole                                   | endosulfan (II)                                 | dieldrin  |
| Bupimate  | endosulfan-sulfate                              | endosulfan (I)  |
| Butachlor                                       | endrin  | endosulfan (II)   |
| Cadusafos                                       | ethion  | endosulfan-sulphate   |
| Carbaryl  | etoxazole                                       | endrin  |
| Carbendazim                                     | etridazole                                      | ethoprophos   |
| Carbetamide                                     | fenitrothion                                    | etoxazole   |
| carbofuran                                      | fenvalerate                                     | fenitrothion  |
| carbofuran (3-hydroxy)                          | flutolanil                                      | fenpropathrin   |
| carboxin  | folpet  | fenvalerate   |
| carfentrazone-ethyl                             | HCH-alpha                                       | fluvalinate   |
| chlorantraniliprole                             | HCH-beta  | HCH-alpha   |
| chlorthalonil                                   | HCH-delta                                       | HCH-beta  |
| chlortoluron                                    | HCH-gamma                                       | HCH-delta   |
| chromafenozide                                  | heptachlor                                      | HCH-gamma   |
| cinidon-ethyl                                   | heptachlor epoxide (trans)                      | heptachlor  |
| clethodim                                       | hexachlorobenzene                               | heptachlor epoxide (cis)  |



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| <b>FSG 168</b><br><b>Solid phase extraction</b> | <b>FSG 173</b><br><b>Solid phase extraction</b> | <b>FSG 159</b><br><b>Detection/confirmation of Organophosphorus compounds</b> |
|---|---|---|
| clomazone                                       | hexachlorocyclopentadiene                       | heptachlor epoxide (trans)  |
| clothianidin                                    | malaoxon  | hexachlorobenzene   |
| cyazofamid                                      | malathion                                       | malaoxon  |
| cycloate  | methoxychlor                                    | malathion   |
| cycloxydim                                      | oxychlorthane                                   | methacrifos   |
| cyflufenamid                                    | paraoxon-methyl                                 | methamidophos   |
| cymoxanil                                       | parathion                                       | methidathion  |
| cyprodinil                                      | parathion-methyl                                | methoxychlor  |
| demeton S-methyl                                | pendimethalin                                   | nitrofen  |
| demeton S-methyl sulfone                        | permethrin                                      | omethoate   |
| desmedipham                                     | 2-phenylphenol                                  | oxychlorthane   |
| dicamba   | picloram iso-octyl ester                        | PCB 101   |
| dichlorprop                                     | propanil  | PCB 118   |
| dichlorvos                                      | prothiofoscarb                                  | PCB 138   |
| difenoconazole                                  | pirimiphos-methyl                               | PCB 153   |
| diflubenzuron                                   | pyridaben                                       | PCB 180   |
| diflufenican                                    | simazine  | PCB 28  |
| dimethenamid                                    | tefluthrin                                      | PCB 52  |
| dimethoate                                      | terbutylazine                                   | pendimethalin   |
| dimethomorph                                    | tetrahydrophthalimide                           | permethrin  |
| dimoxystrobin                                   | trifluralin                                     | pirimicarb  |
| diniconazole                                    | <b>END OF LIST</b>                              | pirimiphos-methyl   |
| disulfoton                                      |   | propetamphos  |
| disulfoton sulfone                              |   | propoxur  |
| disulfoton sulfoxide                            |   | pyridaben   |
| diuron  |   | quintozene  |
| EPTC  |   | resmethrin  |
| ethiprole                                       |   | tecnazene   |
| ethirimol                                       |   | tetrachlorvinphos   |
| famoxadone                                      |   | trifluralin   |
| fenamidone                                      |   | vinclozolin   |
| fenamiphos                                      |   | <b>END OF LIST</b>  |
| fenamiphos sulfone                              |   |   |
| fenamiphos sulfoxide                            |   |   |
| fenhexamid                                      |   |   |
| fenoprop  |   |   |
| fenoxaprop                                      |   |   |
| fenthion  |   |   |
| fenthion sulfone                                |   |   |
| fenthion sulfoxide                              |   |   |
| fentin acetate                                  |   |   |
| fipronil  |   |   |
| flazasulfuron                                   |   |   |
| flonicamid                                      |   |   |
| fluazifop-butyl (free acid)                     |   |   |



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| <b>FSG 168</b><br><b>Solid phase extraction</b> | <b>FSG 173</b><br><b>Solid phase extraction</b> | <b>FSG 159</b><br><b>Detection/confirmation of<br/>Organophosphorus<br/>compounds</b> |
|---|---|---|
| fluazinam                                       |   |   |
| fludioxonil                                     |   |   |
| flufenacet                                      |   |   |
| fluometuron                                     |   |   |
| fluopicolide                                    |   |   |
| fluopyram                                       |   |   |
| fluoxastrobin                                   |   |   |
| fluquinconazole                                 |   |   |
| flurochloridone                                 |   |   |
| fluroxypyr                                      |   |   |
| flutolanil                                      |   |   |
| flutriafol                                      |   |   |
| fluxapyroxad                                    |   |   |
| fosthiazate                                     |   |   |
| halosulfuron-methyl                             |   |   |
| haloxyfop-(free acid)                           |   |   |
| hexazinone                                      |   |   |
| imazalil  |   |   |
| imidacloprid                                    |   |   |
| indoxacarb                                      |   |   |
| iodosulfuron-methyl-sodium                      |   |   |
| ioxynil   |   |   |
| isoproturon                                     |   |   |
| isoxaflutole                                    |   |   |
| kresoxim-methyl                                 |   |   |
| lenacil   |   |   |
| linuron   |   |   |
| mandipropamid                                   |   |   |
| MCPA  |   |   |
| mecoprop  |   |   |
| mepronil  |   |   |
| mesosulfuron-methyl                             |   |   |
| metalaxyl                                       |   |   |
| metamitron                                      |   |   |
| metazachlor                                     |   |   |
| metconazole                                     |   |   |
| methiocarb                                      |   |   |
| methiocarb sulfone                              |   |   |
| methiocarb sulfoxide                            |   |   |
| methomyl  |   |   |
| methoxyfenozone                                 |   |   |
| metobromuron                                    |   |   |
| metolachlor                                     |   |   |
| metosulam                                       |   |   |
| metrafenone                                     |   |   |



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|---|---|---|
| metribuzin                                      |   |   |
| metsulfuron-methyl                              |   |   |
| molinate  |   |   |
| myclobutanil                                    |   |   |
| naled   |   |   |
| napropamide                                     |   |   |
| oxadiazon                                       |   |   |
| oxamyl  |   |   |
| oxathiapiprolin                                 |   |   |
| oxydemeton-methyl                               |   |   |
| penconazole                                     |   |   |
| pencycuron                                      |   |   |
| penflufen                                       |   |   |
| pentachlorophenol                               |   |   |
| phenmedipham                                    |   |   |
| phenthoate                                      |   |   |
| phorate   |   |   |
| phorate sulfone                                 |   |   |
| phorate sulfoxide                               |   |   |
| picoxystrobin                                   |   |   |
| piperonyl butoxide                              |   |   |
| pirimicarb                                      |   |   |
| propachlor                                      |   |   |
| prochloraz                                      |   |   |
| prochloraz metabolite BTS 44595                 |   |   |
| prochloraz metabolite BTS 44596                 |   |   |
| propamocarb                                     |   |   |
| propaquizafop                                   |   |   |
| propoxur  |   |   |
| propyzamide                                     |   |   |
| prosulfuron                                     |   |   |
| pyraclostrobin                                  |   |   |
| pyrafufen ethyl                                 |   |   |
| pyrethrins                                      |   |   |
| pyriproxyfen                                    |   |   |
| pymetrozine                                     |   |   |
| primethanil                                     |   |   |
| quassia   |   |   |
| quinmerac                                       |   |   |
| quizalofop                                      |   |   |
| rimsulfuron                                     |   |   |
| rotenone  |   |   |
| spinosad  |   |   |
| spirotetramat                                   |   |   |
| spirotetramat enol                              |   |   |



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|---|---|---|
| sulcotrione                                     |   |   |
| tebuconazole                                    |   |   |
| tebufenozide                                    |   |   |
| tebufenpyrad                                    |   |   |
| tebupirimfos                                    |   |   |
| tebuthiuron                                     |   |   |
| teflubenzuron                                   |   |   |
| terbacil  |   |   |
| terbufos  |   |   |
| terbufos sulfone                                |   |   |
| terbufos sulfoxide                              |   |   |
| terbutryn                                       |   |   |
| TFNA  |   |   |
| TFNG  |   |   |
| thiabendazole                                   |   |   |
| thiacloprid                                     |   |   |
| triadimefon                                     |   |   |
| triadimenol                                     |   |   |
| thiamethoxam                                    |   |   |
| thifensulfuron-methyl                           |   |   |
| triadimenol                                     |   |   |
| tribenuron-methyl                               |   |   |
| triallate                                       |   |   |
| triasulfuron                                    |   |   |
| triazamate (free acid)                          |   |   |
| trichlorfon                                     |   |   |
| triclopyr                                       |   |   |
| trifloxystrobin                                 |   |   |
| triflumuron                                     |   |   |
| triflusulfuron-methyl                           |   |   |
| triticonazole                                   |   |   |
| zoamide   |   |   |
| <b>END OF LIST</b>                              |   |   |



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**TABLE 3: VETERINARY DRUGS**

| FSG 357 (multiresidue)             | FSG370/ FSG380 (NSAIDS)    | FSG 348 (β-agonists - multiresidue) | FSG 308 (sulphonamides) |
|------------------------------------|----------------------------|-------------------------------------|-------------------------|
| <b>Anthelmintics:</b>              | Diclofenac                 | brombuterol                         | sulphachlorpyridazine   |
| Azamethiphos                       | Flunixin / hydroxyflunixin | cimaterol                           | sulphadiazine           |
| Difflubenzuron                     | Ibuprofen                  | cimbuterol                          | sulphadimethoxine       |
| Lufenuron                          | Ketoprofen                 | clenbuterol                         | sulphadoxine            |
| Teflubenzuron                      | Meloxicam                  | clenpenterol                        | sulphaguanidine         |
| <b>Coccidiostats:</b>              | Naproxen                   | clenproperol                        | sulphamerazine          |
| Clopidol                           | Niflumic acid              | hydroxymethylclenbuterol            | sulphamethazine         |
| decoquinat                         | Phenylbutazone             | isoxuprine                          | sulphamethizole         |
| diclazuril                         | Tolfenamic acid            | mabuterol                           | sulphamethoxazole       |
| dinitrocarbanilide                 | Vedaprofen                 | mapenterol                          | sulphamethoxypyridazine |
| halofuginone                       | END OF LIST                | ractopamine                         | sulphamonomethoxine     |
| imidocarb                          |                            | salbutamol                          | sulphamoxole            |
| lasalocid                          |                            | salmeterol                          | sulphapyridine          |
| maduramycin                        |                            | terbutaline                         | sulphaquinoxaline       |
| monensin                           |                            | tulobuterol                         | sulphathiazole          |
| narasin                            |                            | zilpaterol                          | sulphisoxazole          |
| robenidine                         |                            | <b>END OF LIST</b>                  | <b>END OF LIST</b>      |
| salinomycin                        |                            |                                     |                         |
| semduramicin                       |                            |                                     |                         |
| toltrazuril sulfone                |                            |                                     |                         |
| <b>Nitrimidazoles:</b>             |                            |                                     |                         |
| dimetridazole                      |                            |                                     |                         |
| hydroxydimetridazole               |                            |                                     |                         |
| hydroxyipronidazole                |                            |                                     |                         |
| hydroxymetronidazole               |                            |                                     |                         |
| ipronidazole                       |                            |                                     |                         |
| metronidazole                      |                            |                                     |                         |
| ronidazole                         |                            |                                     |                         |
| <b>Quinolones/Fluoroquinolones</b> |                            |                                     |                         |
| ciprofloxacin                      |                            |                                     |                         |
| danofloxacin                       |                            |                                     |                         |
| difloxacin                         |                            |                                     |                         |
| enrofloxacin                       |                            |                                     |                         |
| flumequine                         |                            |                                     |                         |
| marbofloxacin                      |                            |                                     |                         |
| nalidixic acid                     |                            |                                     |                         |
| norfloxacin                        |                            |                                     |                         |
| oxolinic acid                      |                            |                                     |                         |
| sarafloxacin                       |                            |                                     |                         |
| <b>Sulphonamides</b>               |                            |                                     |                         |
| sulphaguanidine                    |                            |                                     |                         |
| sulphachlorpyridazine              |                            |                                     |                         |
| sulphadiazine                      |                            |                                     |                         |
| sulphadimethoxine                  |                            |                                     |                         |



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| FSG 357 (multiresidue)  | FSG370/ FSG380 (NSAIDS) | FSG 348 (β-agonists - multiresidue) | FSG 308 (sulphonamides) |
|-------------------------|-------------------------|-------------------------------------|-------------------------|
| sulphadoxine            |                         |                                     |                         |
| sulphamerazine          |                         |                                     |                         |
| sulphamethazine         |                         |                                     |                         |
| sulphamethizole         |                         |                                     |                         |
| sulphamethoxazole       |                         |                                     |                         |
| sulphamethoxypyridazine |                         |                                     |                         |
| sulphamonomethoxine     |                         |                                     |                         |
| sulphamoxole            |                         |                                     |                         |
| sulphapyridine          |                         |                                     |                         |
| sulphaquinoxaline       |                         |                                     |                         |
| sulphathiazole          |                         |                                     |                         |
| sulphisoxazole          |                         |                                     |                         |
| <b>Dyes</b>             |                         |                                     |                         |
| crystal violet          |                         |                                     |                         |
| azure B                 |                         |                                     |                         |
| brilliant green         |                         |                                     |                         |
| ethyl violet            |                         |                                     |                         |
| leucocrystal violet     |                         |                                     |                         |
| leucomalachite green    |                         |                                     |                         |
| malachite green         |                         |                                     |                         |
| methylene blue          |                         |                                     |                         |
| new methylene blue      |                         |                                     |                         |
| nile blue A             |                         |                                     |                         |
| pararosaniline base     |                         |                                     |                         |
| rhodamine 6G            |                         |                                     |                         |
| victoria blue B         |                         |                                     |                         |
| victoria blue R         |                         |                                     |                         |
| victoria pure blue BO   |                         |                                     |                         |
| <b>Macrolides</b>       |                         |                                     |                         |
| 3-O-acetyltylosin       |                         |                                     |                         |
| dapsone                 |                         |                                     |                         |
| erythromycin            |                         |                                     |                         |
| gamithromycin           |                         |                                     |                         |
| josamycin               |                         |                                     |                         |
| lincomycin              |                         |                                     |                         |
| pirimycin               |                         |                                     |                         |
| rifampicin              |                         |                                     |                         |
| spiramycin              |                         |                                     |                         |
| tildipirosin            |                         |                                     |                         |
| tilmicosin              |                         |                                     |                         |
| tulathromycin           |                         |                                     |                         |
| tylosin                 |                         |                                     |                         |
| virginiamycin M1        |                         |                                     |                         |
| 3-O-acetyltylosin       |                         |                                     |                         |
| <b>Tranquillisers</b>   |                         |                                     |                         |
| acepromazine            |                         |                                     |                         |
| azaperol                |                         |                                     |                         |



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| FSG 357 (multiresidue)                   | FSG370/ FSG380 (NSAIDS) | FSG 348 (β-agonists - multiresidue) | FSG 308 (sulphonamides) |
|--|-------------------------|-------------------------------------|-------------------------|
| azaperone                                |                         |                                     |                         |
| carazolol                                |                         |                                     |                         |
| chlorpromazine                           |                         |                                     |                         |
| haloperidol                              |                         |                                     |                         |
| propionylpromazine                       |                         |                                     |                         |
| xylazine                                 |                         |                                     |                         |
| <b>Phenolic Anthelmintics</b>            |                         |                                     |                         |
| closantel                                |                         |                                     |                         |
| nitroxynil                               |                         |                                     |                         |
| oxyclozanide                             |                         |                                     |                         |
| rafoxinide                               |                         |                                     |                         |
| <b>Benzimidazoles</b>                    |                         |                                     |                         |
| albendazole                              |                         |                                     |                         |
| 2-aminoflubendazole                      |                         |                                     |                         |
| 5-hydroxythiabendazole                   |                         |                                     |                         |
| albendazole sulfone                      |                         |                                     |                         |
| albendazole sulfoxide                    |                         |                                     |                         |
| albendazole-2-aminosulfone               |                         |                                     |                         |
| clorsulon                                |                         |                                     |                         |
| cyromazine                               |                         |                                     |                         |
| derquantel                               |                         |                                     |                         |
| dicyclanil                               |                         |                                     |                         |
| febantel                                 |                         |                                     |                         |
| fenbendazole                             |                         |                                     |                         |
| fenbendazole sulfone                     |                         |                                     |                         |
| firocoxib                                |                         |                                     |                         |
| flubendazole                             |                         |                                     |                         |
| hydroxymebendazole                       |                         |                                     |                         |
| ketotriclabendazole                      |                         |                                     |                         |
| levamisole                               |                         |                                     |                         |
| mebendazole                              |                         |                                     |                         |
| mebendazole amine                        |                         |                                     |                         |
| monepantel sulfone                       |                         |                                     |                         |
| oxfendazole                              |                         |                                     |                         |
| oxibendazole                             |                         |                                     |                         |
| thiabendazole                            |                         |                                     |                         |
| triclabendazole                          |                         |                                     |                         |
| triclabendazole sulfone                  |                         |                                     |                         |
| 2,4,6-triamino-pyrimidine-5-carbonitrile |                         |                                     |                         |
| <b>END OF LIST</b>                       |                         |                                     |                         |



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**TABLE 4: VETERINARY DRUGS**

| <b>FSG 377<br/>Penicillins &amp;<br/>Cephalosporins</b> | <b>FSG 375 Tetracyclines</b>  | <b>FSG 373<br/>Steroids 1</b> | <b>FSG 385<br/>Antimicrobials</b> |
|---|-------------------------------|-------------------------------|-----------------------------------|
| cefalexin   | chlortetracycline             | α-boldenone                   | 3-O-Acetyltylosin                 |
| cefalonium  | 4-epichlortetracycline        | β-boldenone                   | Amoxicillin                       |
| cefapirin   | combined<br>chlortetracycline | α-trenbolone                  | Ampicillin                        |
| desacetylcefapirin                                      | oxytetracycline               | 17β- trenbolone               | Cefalexin                         |
| cefoperazone  | 4-epioxytetracycline          | dienestrol                    | Cefalonium                        |
| cefquinome  | combine oxytetracycline       | diethylstilbestrol            | Cefapirin                         |
| cefazolin   | tetracycline                  | hexestrol                     | Cefazolin                         |
| amoxicillin   | 4-epitetracycline             | hydroxystanozolol             | Cefoperazone                      |
| ampicillin  | combined tetracycline         | methyltestosterone            | Cefquinome                        |
| benzylpenicillin  | doxycycline                   | 17α-19-nortestosterone        | Ceftiofur                         |
| penicillin V  | <b>END OF LIST</b>            | 17β-19-nortestosterone        | Chlortetracycline                 |
| cloxacillin   |                               | Taleranol                     | Ciprofloxacin                     |
| dicloxacillin   |                               | zeranol                       | Cloxacillin                       |
| oxacillin   |                               | zearalenone                   | Danofloxacin                      |
| nafcillin   |                               | oestradiol                    | Dapsone                           |
| <b>END OF LIST</b>                                      |                               | testosterone                  | Desacetyl-cepharine               |
|   |                               | <b>END OF LIST</b>            | Dicloxacillin                     |
|   |                               |                               | Difloxacin                        |
|   |                               |                               | Doxycycline                       |
|   |                               |                               | Enrofloxacin                      |
|   |                               |                               | 4-Epichlortetracycline            |
|   |                               |                               | 4-Epioxytetracycline              |
|   |                               |                               | 4-Epitetracycline                 |
|   |                               |                               | Erythromycin A                    |
|   |                               |                               | Flumequine                        |
|   |                               |                               | Gamithromycin                     |
|   |                               |                               | Josamycin                         |
|   |                               |                               | Marbofloxacin                     |
|   |                               |                               | Nafcillin                         |
|   |                               |                               | Nalidixic acid                    |
|   |                               |                               | Nitovin                           |
|   |                               |                               | Norfloxacin                       |
|   |                               |                               | Oxacillin                         |
|   |                               |                               | Oxolinic acid                     |
|   |                               |                               | Oxytetracycline                   |
|   |                               |                               | Penicillin G                      |
|   |                               |                               | Penicillin V                      |
|   |                               |                               | Pirlimycin                        |
|   |                               |                               | Rifampicin                        |
|   |                               |                               | Sarafloxacin                      |
|   |                               |                               | Spiramycin                        |
|   |                               |                               | Sulfachloropyridazine             |
|   |                               |                               | Sulfadiazine                      |



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| <b>FSG 377<br/>Penicillins &amp;<br/>Cephalosporins</b> | <b>FSG 375 Tetracyclines</b> | <b>FSG 373<br/>Steroids 1</b> | <b>FSG 385<br/>Antimicrobials</b> |
|---|------------------------------|-------------------------------|-----------------------------------|
|   |                              |                               | Sulfadimethoxine                  |
|   |                              |                               | Sulfadoxine                       |
|   |                              |                               | Sulfaguanidine                    |
|   |                              |                               | Sulfamerazine                     |
|   |                              |                               | Sulfamethazine                    |
|   |                              |                               | Sulfamethizole                    |
|   |                              |                               | Sulfamethoxazole                  |
|   |                              |                               | Sulfamethoxyipyridazine           |
|   |                              |                               | Sulfamonomethoxine                |
|   |                              |                               | Sulfamoxole                       |
|   |                              |                               | Sulfanilamide                     |
|   |                              |                               | Sulfapyridine                     |
|   |                              |                               | Sulfaquinoxaline                  |
|   |                              |                               | Sulfathiazole                     |
|   |                              |                               | Sulfiisoxazole                    |
|   |                              |                               | Tetracycline                      |
|   |                              |                               | Tildipirosin                      |
|   |                              |                               | Tilmicosin                        |
|   |                              |                               | Trimethoprim                      |
|   |                              |                               | Tulathromycin                     |
|   |                              |                               | Tylosin                           |
|   |                              |                               | Tylvasolin (Aivlosin)             |
|   |                              |                               | Valnemulin                        |
|   |                              |                               | Virginiamycin M1                  |
|   |                              |                               | <b>END OF LIST</b>                |



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**TABLE 5: DIOXINS AND PAHS**

| FSG<br>407/409/412/413<br>Polychlorinated<br>dibenzo-p-dioxins<br>(PCDDs) & Sum of<br>WHO TEQ | FSG 408/409<br>ICES 6 / Non-Dioxin<br>Like Polychlorinated<br>biphenyls (NDL -<br>Indicator PCBs) | FSG 410<br>Polycyclic aromatic<br>hydrocarbons (PAHs) | FSG 412/413<br>Polybrominated<br>biphenyls (PBBs)<br>(Non-ortho and ortho) |
|---|---|---|--|
| 1,2,3,4,6,7,8-HpCDD   | PCB-28  | acenaphthene  | PBB-77   |
| 1,2,3,4,6,7,8-HpCDF   | PCB-52  | 5-methylchrysene                                      | PBB-126  |
| 1,2,3,4,7,8-HxCDD   | PCB-101   | acenaphthylene  | PBB-169  |
| 1,2,3,4,7,8- HxCDF  | PCB-138   | anthanthrene  | PBB-15   |
| 1,2,3,4,7,8,9- HpCDF  | PCB-153   | anthracene  | PBB-49   |
| 1,2,3,6,7,8-HxCDD   | PCB-180   | benz [a] anthracene (PAH 4)                           | PBB-52   |
| 1,2,3,6,7,8- HxCDF  | PCB-77  | benzo-[a]-pyrene (PAH 4)                              | PBB-80   |
| 1,2,3,7,8-PeCDF   | PCB-81  | benzo-[b]-fluoranthene (PAH 4)                        | PBB-101  |
| 1,2,3,7,8,9-HxCDF   | PCB-126   | benzo (b) naphtha (2,1-d)thiophene                    | PBB-153  |
| 1,2,3,7,8,9-HxDD  | PCB-169   | benzo (c) fluorene                                    |  |
| 2,3,4,6,7,8- HxCDF  | PCB-105   | benzo-(e)-pyrene                                      | <b>Polybrominated<br/>diphenyl ethers<br/>(PBDEs)</b>                      |
|   | PCB-114   | benzo[ghi]fluoranthene                                | PBDE-17  |
| 2,3,7,8-TCDD  | PCB-118   | benzo-(g,h,i)perylene                                 | PBDE-28  |
| 2,3,7,8-TCDF  | PCB-123   | benzo-[j]-fluoranthene                                | PBDE-47  |
| OCDD  | PCB-156   | benzo-[k]-fluoranthene                                | PBDE-49  |
| OCDF  | PCB-157   | chrysene (PAH 4)                                      | PBDE-66  |
| 1,2,3,7,8-PeCDD   | PCB-167   | coronene  | PBDE-71  |
|   | PCB-189   | cyclopenta[c,d]pyrene                                 | PBDE-77  |
|   |   | dibenz-[ah]-anthracene                                | PBDE-85  |
|   |   | dibenzo[a,e]pyrene                                    | PBDE-99  |
|   |   | dibenzo[a,h]pyrene                                    | PBDE-100   |
| <b>Polybrominated<br/>dibenzo-p-dioxins<br/>(PBDDs)</b>                                       | <b>Additional<br/>Polychlorinated<br/>biphenyls (PCBs)</b>  | dibenzo[a,i]pyrene                                    | PBDE-119   |
| 2,3,7-T <sub>3</sub> BDD  | PCB-18  | dibenzo[a,l]pyrene                                    | PBDE-126   |
| 2,3,7,8-TBDD  | PCB-31  | fluoranthene  | PBDE-153   |
| 1,2,3,7,8-PeBDD   | PCB-33  | fluorene  | PBDE-138   |
| 1,2,3,4,7,8-HxBDD/<br>1,2,3,6,7,8-HxBDD   | PCB-37  | indeno-[1,2,3-cd] pyrene                              | PBDE-154   |
| 1,2,3,6,7,8-HxBDD   | PCB-41  | phenanthrene  | PBDE-183   |
| 1,2,3,7,8,9-HxBDD   | PCB-44  | pyrene  | <b>END OF LIST</b>   |
|   | PCB-47  | <b>END OF LIST</b>                                    |  |
|   | PCB-49  |   |  |
| <b>Polybrominated<br/>dibenzofurans<br/>(PBDFs)</b>   |   |   |  |
|   | PCB-51  |   |  |
| 2,3,8-T <sub>3</sub> BDF  | PCB-56/60   |   |  |
| 2,3,7,8-TBDF  | PCB-61/74   |   |  |
| 1,2,3,7,8-PeBDF   | PCB-66  |   |  |
| 2,3,4,7,8-PeBDF   | PCB-87  |   |  |



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| FSG<br>407/409/412/413<br>Polychlorinated<br>dibenzo-p-dioxins<br>(PCDDs) & Sum of<br>WHO TEQ | FSG 408/409<br>ICES 6 / Non-Dioxin<br>Like Polychlorinated<br>biphenyls (NDL -<br>Indicator PCBs) | FSG 410<br>Polycyclic aromatic<br>hydrocarbons (PAHs) | FSG 412/413<br>Polybrominated<br>biphenyls (PBBs)<br>(Non-ortho and ortho) |
|---|---|---|--|
| 1,2,3,4,7,8-HxBDF   | PCB-99  |   |  |
| 1,2,3,4,6,7,8-HpBDF   | PCB-110   |   |  |
| <b>END OF LIST</b>  | PCB-128   |   |  |
|   | PCB-129   |   |  |
|   | PCB-141   |   |  |
|   | PCB-149   |   |  |
|   | PCB-151   |   |  |
|   | PCB-170   |   |  |
|   | PCB-183   |   |  |
|   | PCB-185   |   |  |
|   | PCB-187   |   |  |
|   | PCB-191   |   |  |
|   | PCB-193   |   |  |
|   | PCB-194   |   |  |
|   | PCB-201   |   |  |
|   | PCB-202   |   |  |
|   | PCB-203   |   |  |
|   | PCB-206   |   |  |
|   | PCB-208   |   |  |
|   | PCB-209   |   |  |
|   | <b>END OF LIST</b>  |   |  |



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**Table 6: GMO screening assays**

| PLH/899 Screening Assay | DNA sequence(s) detected                    |
|-------------------------|---|
| Maize (MHMG)            | Taxon detection for maize                   |
| Soya (LEC)              | Taxon detection for soya                    |
| Brassica (CCF)          | Taxon detection for <i>Brassica spp.</i>    |
| Potato (UDPPG)          | Taxon detection for potato                  |
| Rice (PLD)              | Taxon detection for rice                    |
| Plant (Chloroplast)     | Generic detection of plant material         |
| p35S                    | GM element detection for CaMV 35S promotor  |
| CRY1Ab/Ac               | GM element detection for CRY1Ab/Ac gene     |
| PAT                     | GM element detection for PAT gene           |
| BAR                     | GM element detection for BAR gene           |
| CP4-EPSPS               | GM construct detection for CTP2-CP4 epsps   |
| tNOS                    | GM element detection for NOS terminator     |
| CV127                   | GM event (soya) detection for CV127         |
| MON87769                | GM event (soya) detection for MON87769      |
| MON87708                | GM event (soya) detection for MON87708      |
| DAS-40278               | GM event (maize) detection for DAS-40278    |
| 73496                   | GM event (oilseed rape) detection for 73496 |
| <b>End of Table 6</b>   |   |

**Table 7: Ergot alkaloids and Fusarium multi-mycotoxins**

| FSG/601 Ergot alkaloids | FSG/825 Cyanogenic glycosides | FSG/818 Fusarium multi-mycotoxins |
|-------------------------|-------------------------------|-----------------------------------|
| Ergocornine             | Amygdalin                     | 3-Acetyldeoxynivalenol            |
| Ergocristinine          | Linamarin                     | 15-Acetyldeoxynivalenol           |
| a+b-Ergocryptine        | Linustatin                    | Deoxynivalenol                    |
| Ergometrinine           | Lotaustralin                  | Deoxynivalenol-3-glucoside        |
| Ergotamine              | Neolinustatin                 | Diacetoxyscirpenol                |
| Ergocorninine           | Prunasin                      | Fusarenon X                       |
| a-Ergocryptine          | <b>END OF LIST</b>            | HT-2 toxin                        |
| a+b-Ergocryptinine      |                               | Neosolaniol                       |
| Ergosine                |                               | Nivalenol                         |
| Ergotaminine            |                               | T-2 toxin                         |
| Ergocristine            |                               | T-2 toxin-β3-glucoside            |
| b-Ergocryptine          |                               | α-Zearalenol                      |
| Ergometrine             |                               | β-Zearalenol                      |
| Ergosinine              |                               | α-Zearalenol-14-glucoside         |
| <b>END OF LIST</b>      |                               | β-Zearalenol-14-glucoside         |
|                         |                               | Zearalenone                       |
|                         |                               | Zearalenone-14-glucoside          |
|                         |                               | <b>END OF LIST</b>                |



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**Table 8: Pyrrolizidine Alkaloids**

|                             |                               |                                |
|-----------------------------|-------------------------------|--------------------------------|
| Echimidine (Em)             | Echimidine-N-oxide (Em-ox)    | Erucifoline (Er)               |
| Erucifoline-N-oxide (Er-ox) | Europine (Eu)                 | Europine-N-oxide (Eu)          |
| Heliotrine (Ht)             | Heliotrine-N-oxide (Ht-ox)    | Intermedine (Im)               |
| Intermedine-N-oxide (Im-ox) | Jacobine (Jb)                 | Jacobine-N-oxide (Jb-ox)       |
| Lasiocarpine (Lc)           | Lasiocarpine-N-oxide (Lc-ox)  | Lycopsamine (Ly)               |
| Lycopsamine-N-oxide (Ly-ox) | Monocrotaline (Mc)            | Monocrotaline-N-oxide (Mc-ox)  |
| Retrorsine (Rt)             | Retrorsine-N-oxide (Rt-ox)    | Senecionine (Sn)               |
| Senecionine-N-oxide (Sn-ox) | Seneciphylline (Sp)           | Seneciphylline-N-oxide (Sp-ox) |
| Senecivernine (Sv)          | Senecivernine-N-oxide (Sv-ox) | Senkirkine (Sk)                |
| Trichodesmine (Td)          |                               |                                |
| <b>End of Table 8</b>       |                               |                                |

**Table 9 Analysis of Cannabinoids (FSG/788)**

|  |                                |                                       |
|--|--------------------------------|---------------------------------------|
| Cannabichromene (CBC)                            | Cannabidiol (CBD)              | Cannabidiolic Acid (CBD-A)            |
| Cannabigerol (CBG)                               | Cannabinol (CBN)               | $\Delta$ 9-Tetrahydrocannabinol (THC) |
| $\Delta$ 9-Tetrahydrocannabinolic acid A (THC-A) | 8-Tetrahydrocannabinol (8-THC) | 9-Tetrahydrocannabivarin (THCV)       |
| 9-Tetrahydrocannabivarinic acid (THCV-A)         | Cannabidivarin (CBDV)          | Cannabidivarinic acid (CBDV-A)        |
| Cannabigerolic acid (CBG-A)                      | Cannabichromene acid (CBC-A)   |                                       |
| <b>End of Table 9</b>                            |                                |                                       |



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**Table 10**

**Per and polyfluoroalkyl substances (PFAS)**

|  |                      |
|--|----------------------|
| Perfluoro-n-butanoic acid  | PFBA                 |
| Perfluoro-n-pentanoic acid   | PFPeA                |
| Perfluoro-n-hexanoic acid  | PFHxA                |
| Perfluoro-n-heptanoic acid   | PFHpA                |
| Perfluoro-n-octanoic acid  | PFOA                 |
| Perfluoro-n-nonanoic acid  | PFNA                 |
| Perfluoro-n-decanoic acid  | PFDA                 |
| Perfluoro-n-undecanoic acid  | PFUdA                |
| Perfluoro-n-dodecanoic acid  | PFDoA                |
| Perfluoro-n-tridecanoic acid   | PFTrDA               |
| Perfluoro-n-tetradecanoic acid                                       | PFTeDA               |
| Perfluoro-1-butanefulfonamide  | FBSA                 |
| Perfluoro-1-hexanesulfonamide  | FHxSA                |
| Perfluoro-1-octanesulfonamide  | FOSA                 |
| 2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoroproxy)propanoic acid | HFPO-DA              |
| N-methylperfluorooctanesulfonamidoacetic acid                        | N-MeFOSAA (Linear)   |
| N-methylperfluorooctanesulfonamidoacetic acid                        | N-MeFOSAA (Branched) |
| N-ethylperfluorooctanesulfonamidoacetic acid                         | N-EtFOSAA (Linear)   |
| N-ethylperfluorooctanesulfonamidoacetic acid                         | N-EtFOSAA (Branched) |
| Potassium perfluoro-1-butanefulfonate                                | L-PFBS               |
| Sodium perfluoro-1-pentanesulfonate                                  | L-PFPeS              |
| Potassium perfluorohexanesulfonate                                   | PFHxS (Linear)       |
| Potassium perfluorohexanesulfonate                                   | PFHxS (Branched)     |
| Sodium perfluoro-1-heptanesulfonate                                  | L-PFHpS              |
| Potassium perfluorooctanesulfonate                                   | PFOSK (Linear)       |
| Potassium perfluorooctanesulfonate                                   | PFOSK (Branched)     |
| Sodium perfluoro-1-nonanesulfonate                                   | L-PFNs               |
| Sodium perfluoro-1-decanesulfonate                                   | L-PFDs               |
| Sodium 1H,1H,2H,2H-perfluorohexanesulfonate                          | 4:2 FTS              |
| Sodium 1H,1H,2H,2H-perfluorooctanesulfonate                          | 6:2 FTS              |
| Sodium 1H,1H,2H,2H-perfluorodecanesulfonate                          | 8:2 FTS              |
| Sodium dodecafluoro-3H-4,8-dioxanonanoate                            | NaDONA               |
| Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate             | 9Cl-PF3ONS           |
| Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate            | 11Cl-PFOUdS          |
| Sum of PFAS  |                      |
| <b>End of Table</b>  |                      |