### ANNEX I

## Additives referred to in Article 1(1)

PART A

Feed additives to be withdrawn for all species and categories of animals

| Identification Number           | Additive  | Species or category of animals |
|---------------------------------|---|--------------------------------|
| Preservatives                   |   |                                |
| E 201                           | Sodium sorbate  | All species                    |
| E 203                           | Calcium sorbate   | All species                    |
| E 261                           | Potassium acetate   | All species                    |
| E 283                           | Potassium propionate  | All species                    |
| E 333                           | Calcium citrates  | All species                    |
| E 334                           | L-Tartaric acid   | All species                    |
| E 335                           | Sodium L-tartrates  | All species                    |
| E 336                           | Potassium L-tartrates   | All species                    |
| E 337                           | Potassium sodium L-tartrate   | All species                    |
| E 507                           | Hydrochloric acid   | All species                    |
| E 513                           | Sulphuric acid  | All species                    |
| Antioxidants                    |   |                                |
| E 308                           | Synthetic gamma tocopherol  | All species                    |
| E 309                           | Synthetic delta tocopherol  | All species                    |
| E 311                           | Octyl gallate   | All species                    |
| E 312                           | Dodecyl gallate   | All species                    |
| Binders, anti-caking agents     | and coagulants  |                                |
| E 330                           | Citric acid   | All species                    |
| Colourants, including pigm      | ents  |                                |
| Other colourants                |   |                                |
| [ <sup>F1</sup> Relevant number | Colouring agents authorised for colouring foodstuffs by Community rules, with the exception of: E150b, E150c and E150d Caramel colours; E 141 Chlorophyllin Copper Complex; E 172 Iron Oxide Red, Black & Yellow; E 171 Titanium dioxide (anatase & rutile structure); E 153 Carbon black | All species]                   |

| E 142   | Acid brilliant green BS/<br>(Lissamine green)  | All species |  |
|---|--|-------------|--|
| Emulsifying and stabilizing agents, thickeners and gelling agents |  |             |  |
| E322  | Lecithins (only as stabilizing agents, thickeners and gelling agents)  | All species |  |
| E 400   | Alginic acid   | All species |  |
| E 402   | Potassium alginate   | All species |  |
| E 404   | Calcium alginate   | All species |  |
| E 405   | Propane-1,2-diol alginate (Propyleneglycol alginate)   | All species |  |
| E 432   | Polyoxyethylene (20)-<br>sorbitan monolaurate  | All species |  |
| E 434   | Polyoxyethylene (20)-<br>sorbitan monopalmitate  | All species |  |
| E 435   | Polyoxyethylene (20)-<br>sorbitan monostearate   | All species |  |
| E 436   | Polyoxyethylene (20)-<br>sorbitan tristearate  | All species |  |
| E 465   | Ethylmethylcellulose   | All species |  |
| E 473   | Sucrose esters of fatty acids (esters of saccharose and edible fatty acids)                                  | All species |  |
| E 474   | Sucroglycerides (mixture of esters of saccharose and mono- and di-glycerides of edible fatty acids)          | All species |  |
| E 475   | Polyglycerol esters of non-<br>polymerised edible fatty<br>acids   | All species |  |
| E 477   | Mono-esters of propane-1,2-diol (propyleneglycol) and edible fatty acids, alone or in mixtures with diesters | All species |  |
| E 480   | Stearoyl 2-lactylic acid   | All species |  |
| E 481   | Sodium stearoyl 2-lactylate  | All species |  |
| E 482   | Calcium stearoyl 2-lactylate   | All species |  |
| E 483   | Stearyl tartrate   | All species |  |
| E 486   | Dextrans   | All species |  |
| E 491   | Sorbitan monostearate  | All species |  |
| E 492   | Sorbitan tristearate   | All species |  |

| E 494                         | Sorbitan monooleate   | All species              |
|-------------------------------|---|--------------------------|
|                               |   | _                        |
| E 495                         | Sorbitan monopalmitate  | All species              |
| E 496                         | Polyethyleneglycol 6000   | All species              |
| E 497                         | Polyoxypropylene-<br>polyoxyethylene polymers<br>(M.W. 6 800-9 000) | All species              |
| Trace elements                |   |                          |
| E 1                           | <b>Iron</b> — <b>Fe</b> , Ferrous chloride, tetrahydrate            | All species              |
| E 1                           | <b>Iron</b> — <b>Fe</b> , Ferrous citrate, hexahydrate              | All species              |
| E 1                           | <b>Iron</b> — <b>Fe</b> , Ferrous lactate, trihydrate               | All species              |
| E 2                           | <b>Iodine</b> — <b>I</b> , Calcium iodate, hexahydrate              | All species              |
| E 2                           | Iodine — I, Sodium iodide   | All species              |
| E 4                           | Copper — Cu, Cupric methionate                                      | All species              |
| E 5                           | Manganese — Mn,<br>Manganic oxide                                   | All species              |
| E 5                           | Manganese — Mn,<br>Manganomanganic oxide                            | All species              |
| E 5                           | Manganese — Mn,<br>Manganous carbonate                              | All species              |
| E 5                           | Manganese — Mn,<br>Manganous hydrogen<br>phosphate, trihydrate      | All species              |
| E 5                           | Manganese — Mn,<br>Manganous sulphate,<br>tetrahydrate              | All species              |
| E 6                           | Zinc — Zn, Zinc carbonate   | All species              |
| E 6                           | Zinc — Zn, Zinc chloride monohydrate                                | All species              |
| E 6                           | Zinc — Zn, Zinc lactate, trihydrate                                 | All species              |
| E 7                           | Molybdenum — Mo,<br>Ammonium molybdate                              | All species              |
| E 8                           | Selenium — Se, Sodium selenate                                      | All species              |
| Vitamins, provitamins and che | emically well-defined substance                                     | es having similar effect |

| Betaine. All forms with<br>the exception of betaine<br>anhydrous and betaine<br>hydrochloride                              | All species |
|--|-------------|
| Biotin. All forms with the exception of D-(+)-biotin   | All species |
| Carnitine. All forms with the exception of L carnitine and L carnitine L-tartrate  | All species |
| Choline. All forms with the exception of choline chloride  | All species |
| Folate. All forms of folate with the exception of folic acid   | All species |
| Niacin. All forms of niacin with the exception of niacin 99 % and niacinamide  | All species |
| Omega-3 Essential<br>Unsaturated Fatty acids   | All species |
| Omega-6 Essential<br>Unsaturated Fatty acids<br>(all with exception of<br>octadecadienoic acid)                            | All species |
| Pantothenic acid. All forms with the exception of Calcium-D-pantothenate and D-panthenol                                   | All species |
| Para-amino benzoic acid (PABA)   | All species |
| Thiamine. All forms with<br>the exception of thiamine<br>hydrochloride and thiamine<br>mononitrate                         | All species |
| Vitamin A. All forms with<br>the exception of retinyl<br>acetate, retinyl palmitate and<br>retinyl propionate              | All species |
| Vitamin B <sub>6</sub> . All forms with the exception of pyridoxine hydrochloride  | All species |
| <br>Vitamin C. All forms with the exception of ascorbic acid, sodium ascorbyl phosphate, sodium calcium ascorbyl phosphate | All species |

|                             | Vitamin E. All forms with the exception of all-rac-alpha-tocopheryl acetate, RRR-alpha-tocopheryl acetate and RRR alpha tocopherol                          | All species        |
|-----------------------------|---|--------------------|
|                             | Vitamin K. All forms of Vitamin K with the exception of Vitamin K <sub>3</sub> as menadione nicotinamide bisulphite and as [FI menadione sodium bisulphite] | All animal species |
| Amino acids, their salts an | d analogues   |                    |
| 3.1.3.                      | Methionine/Methionine-zinc, technically pure  | All species        |
| 3.2.1.                      | Lysine/L-lysine, technically pure   | All species        |
| 3.4.2.                      | DL-Tryptophan, technically pure   | All species        |
| Silage additives            |   |                    |
| Enzymes                     |   |                    |
|                             | Xylanase EC 3.2.1.8 from <i>Trichoderma</i> longibrachiatum rifar IMI SD185   | All species        |
| Microorganisms              |   |                    |
|                             | Enterococcus faecium BIO 34   | All species        |
|                             | Lactobacillus salivarius<br>CNCM I-3238/ATCC 11741  | All species        |
|                             | Pediococcus pentosaceus<br>NCIMB 30089  | All species        |
| Substances                  |   |                    |
|                             | Formaldehyde  | All species        |
|                             | Sodium bisulphate   | All species        |
|                             |   |                    |
| Flavouring and appetising   |   |                    |
| Natural products — botani   |   | A 11 ama ai aa     |
| Ni-41 1 1                   | Birch tincture CoE 88   | All species        |
| Natural products and corre  | sponding synthetic products   | A 11 ama ais -     |
|                             | CAS No 16630-52-7/3-<br>(Methylthio)butanal/Flavis<br>No 12.056   | All species        |

| CAS No 2179-60-4/Methyl propyl disulfide/Flavis No 12.019   | All species |
|---|-------------|
| CAS No 36431-72-8/<br>Theaspirane/Flavis No<br>13.098   | All species |
| CAS No 3738-00-9/1,5,5,9-<br>Tetramethyl-13-oxatricyclo<br>[8.3.0.0.(4.9)]tridecane/Flavis<br>No 13.072 | All species |
| CAS No 40789-98-8/3-<br>Mercaptobutan-2-one/Flavis<br>No 12.047   | All species |
| CAS No 43040-01-3/3-<br>Methyl-1,2,4-trithiane/Flavis<br>No 15.036                                      | All species |
| CAS No 495-62-5/1,4(8),12-Bisabolatriene/Flavis No 01.016   | All species |
| CAS No 516-06-3/D,L-<br>Valine/Flavis No 17.023   | All species |
| CAS No 5756-24-1/Dimethyl tetrasulfide/Flavis No 12.116   | All species |
| CAS No 6028-61-1/Dipropyl trisulfide/Flavis No 12.023   | All species |
| CAS No 689-67-8/6,10-<br>Dimethyl-5,9-undecadien-2-<br>one/Flavis No 07.216                             | All species |
| CAS No 78-98-8/2-<br>Oxopropanal/Flavis No 7.001  | All species |

### **Textual Amendments**

**F1** Substituted by Commission Implementing Regulation (EU) 2018/353 of 9 March 2018 correcting Implementing Regulation (EU) 2017/1145 on the withdrawal from the market of certain feed additives authorised pursuant to Council Directives 70/524/EEC and 82/471/EEC and repealing the obsolete provisions authorising those feed additives (Text with EEA relevance).

# PART B Feed additives to be withdrawn for certain species or categories of animals

| Identification Number | Additive | Species or category of animals |
|-----------------------|----------|--------------------------------|
|-----------------------|----------|--------------------------------|

| Preservatives                  |  |  |
|--------------------------------|--|--|
| E 214                          | Ethyl 4-hydroxybenzoate                        | Pets   |
| E 215                          | Sodium ethyl 4-<br>hydroxybenzoate             | Pets   |
| E 216                          | Propyl 4-hydroxybenzoate                       | Pets   |
| E 217                          | Sodium propyl 4-<br>hydroxybenzoate            | Pets   |
| E 218                          | Methyl 4-hydroxybenzoate                       | Pets   |
| E 219                          | Sodium methyl 4-<br>hydroxybenzoate            | Pets   |
| E 222                          | Sodium bisulphite                              | Dogs; Cats   |
| E 223                          | Sodium metabisulphite                          | Dogs; Cats   |
| E 285                          | Methylpropionic acid                           | Ruminants, at the beginning of rumination  |
| Acidity regulators             |  |  |
| E 210                          | Benzoic acid                                   | Pigs for fattening   |
| E 340(iii)                     | Tripotassium orthophosphate                    | Cats; Dogs   |
| E 350(i)                       | Sodium malate (Salt of DL-<br>or L-Malic Acid) | Cats; Dogs   |
| E 507                          | Hydrochloric acid                              | Cats; Dogs   |
| E 513                          | Sulphuric acid                                 | Cats; Dogs   |
| Binders, anti-caking agents ar | nd coagulants                                  |  |
| E 567                          | Clinoptilolite of volcanic origin              | Rabbits  |
| E 598                          | Synthetic calcium aluminates                   | Dairy cows; Cattle for fattening; Calves; Lambs; Kids; Poultry; Rabbits; Pigs  |
| Colourants, including pigmen   |  | ,  |
| Carotenoids and xanthophylls   | T .  | T  |
| E 161b                         | Lutein   | Cats & dogs  |
| E 160c                         | Capsanthin                                     | Turkeys  |
| E 161c                         | Cryptoxanthin                                  | Poultry  |
| E 160e                         | Beta-apo-8'-carotenal                          | Poultry  |
| E 161g                         | Canthaxanthin                                  | All species and uses with the exception of:  — Chickens for fattening and minor poultry species for fattening for uses belonging |

|                        |   | to the functional group 2 (a) (ii)  Laying poultry and poultry reared for laying for uses belonging to the functional group 2 (a) (ii).  Ornamental birds and ornamental fish for uses belonging to the functional group 2 (a) (iii) |
|------------------------|---|--|
| [ <sup>F1</sup> E 161j | Astaxanthin   | All species with the exception of:  — Fish and crustaceans for uses belonging to the functional group 2(a) (ii)  — Ornamental fish for uses belonging to the functional group 2(a) (iii)]  |
| E 161z                 | Astaxantin-rich <i>Phaffia Rhodozyma</i> (ATCC 74219)   | Salmon; Trout  |
| Other colourants       |   |  |
| [F1 E 155              | Brown HT  | Dogs and cats  |
| E 104                  | Quinoline yellow  | All species except non-food producing animals for uses belonging to the functional group 2(a) (i)  |
| E 122                  | Azorubine (carmoisine)  | All species with the exception of dogs and cats for uses belonging to the functional group 2(a) (i)  |
| Relevant number        | Colouring agents authorised for colouring foodstuffs by Community rules, with the exception of: |  |
|                        | E 102 Tartrazine.   | All species except except dogs and cats  |
|                        | E 160b Bixin.   | All species except except dogs and cats.   |
|                        | E 110 Sunset yellow FCF   | All species except except dogs and cats.   |

|                                | E 120 Carmine (Carmine<br>Lake WSP 50 %)          | All species except except dogs and cats  |
|--------------------------------|---|--|
|                                | E 124 Ponceau 4 R                                 | All species except except dogs and cats  |
|                                | E 127 Erythrosine                                 | All species except except dogs, cats and reptiles  |
|                                | E 129 Allura red                                  | All species except except dogs and cats  |
|                                | E 132 Indigotine                                  | All species except except dogs and cats  |
|                                | E 133 Brilliant blue                              | All species except except dogs and cats  |
| E 160 b                        | Bixin as a colouring agent                        | Ornamental fish  |
| E 102                          | Tartrazine as a colouring agent                   | All species except ornamental fish, grain-eating ornamental birds and small rodents                      |
| E 131                          | Patent Blue V as a colouring agent                | All species except non-food producing animals for uses belonging to the functional group 2(a) (i)        |
| E 124                          | Ponceau 4 R as a colouring agent                  | All species except ornamental fish   |
| E 127                          | Erythrosine as a colouring agent                  | All species except ornamental fish.  |
| E 132                          | Indigotine as a colouring agent                   | All species except ornamental fish   |
| E 141                          | Chlorophyllin copper complex as a colouring agent | All species except ornamental fish, grain-eating ornamental birds and small rodents                      |
| E 110                          | Sunset yellow FCF as a colouring agent            | All species except ornamental fish, grain-eating ornamental birds and small rodents                      |
| E 153                          | Carbon black as a colouring agent                 | All species except ornamental fish]  |
| Emulsifying and stabilizing ag | gents, thickeners and gelling age                 | ents   |
| E 401                          | Sodium alginate                                   | All species with the exception of Fish; Pets and other non-food producing animals (non-food fur animals) |
| E 403                          | Ammonium alginate                                 | All species or categories of animals with the exception of aquarium fish                                 |

| E 406   | Agar  | All species with the exception of Pets and other non-food producing animals (non-food fur animals) |
|---------|---|--|
| E 407   | Carrageenan   | All species with the exception of Pets and other non-food producing animals (non-food fur animals) |
| E 418   | Gellan gum  | Dogs; cats   |
| E 488   | Polyoxyethylated glyceride of tallow fatty acids  | Calves   |
| E 489   | Ether of polyglycerol and of alcohols obtained by the reduction of oleic and palmitic acids   | Calves   |
| E 498   | Partial polyglycerol esters of polycondensed fatty acids of castor oil  | Dogs   |
| Enzymes |   |  |
| E 1600  | 3-Phytase/EC 3.1.3.8 produced by <i>Aspergillus</i> niger (CBS 114.94)  | Piglets; Pigs for fattening;<br>Sows; Chickens for fattening;<br>Laying hens                       |
| E 1600  | 3-Phytase/EC 3.1.3.8 produced by <i>Aspergillus</i> niger (CBS 114.94)  | Turkeys for fattening  |
| E 1605  | Endo-1,4-beta-xylanase/<br>EC 3.2.1.8 produced by<br>Aspergillus niger (CBS<br>520.94)  | Chickens for fattening   |
| E 1608  | Endo-1,4-beta-xylanase/<br>EC 3.2.1.8/Endo-1,4-<br>beta-glucanase/EC 3.2.1.4<br>produced by <i>Humicola</i><br><i>insolens</i> (DSM 10442)                                      | Chickens for fattening   |
| E 1609  | Endo-1,4-beta-xylanase/<br>EC 3.2.1.8/Endo-1,4-<br>beta-glucanase/EC 3.2.1.4<br>produced by <i>Aspergillus</i><br><i>niger</i> (CBS 600.94) (coated,<br>solid and liquid forms) | Chickens for fattening;<br>Turkeys for fattening; Piglets<br>(weaned)                              |
| E 1609  | Endo-1,4-beta-xylanase/<br>EC 3.2.1.8/Endo-1,4-<br>beta-glucanase/EC 3.2.1.4<br>produced by <i>Aspergillus</i>  | Chickens for fattening;<br>Turkeys for fattening; Piglets<br>(weaned)                              |

|        | niger (CBS 600.94)<br>(granulate form)   |  |
|--------|--|--|
| E 1610 | Endo-1,4-beta-glucanase/<br>EC 3.2.1.4/Endo-1,4-<br>beta-xylanase/EC 3.2.1.8<br>produced by <i>Aspergillus</i><br><i>niger</i> (CBS 600.94)  | Chickens for fattening   |
| E 1611 | Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106)/Endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (IMI SD 135)/Polygalacturonase/EC 3.2.1.15 produced by <i>Aspergillus aculeatus</i> (CBS 589.94) | Pigs for fattening   |
| E 1614 | 6-Phytase/EC 3.1.3.26<br>produced by <i>Aspergillus</i><br>oryzae (DSM 11857)  | Chickens for fattening;<br>Laying hens; Turkeys for<br>fattening; Piglets; Pigs for<br>fattening; Sows |
| E 1615 | Endo-1,3(4)-beta-<br>glucanase/EC 3.2.1.6<br>produced by <i>Trichoderma</i><br><i>longibrachiatum</i> (CNCM<br>MA 6-10 W)  | Chickens for fattening   |
| E 1618 | Endo-1,4-beta-xylanase/<br>EC 3.2.1.8 produced by<br>Aspergillus niger (CBS<br>270.95)   | Chickens for Fattening;<br>Turkeys for Fattening   |
| E 1619 | Alpha-amylase/EC 3.2.1.1/<br>Endo-1,3(4)-beta-glucanase/<br>EC 3.2.1.6 produced by<br>Bacillus amyloliquefaciens<br>(DSM 9553)   | Chickens for fattening   |
| E 1622 | Endo-1,3(4)-beta-glucanase/<br>EC 3.2.1.6/Endo-1,4-<br>beta-xylanase/EC 3.2.1.8<br>produced by <i>Trichoderma</i><br><i>longibrachiatum</i> (CBS<br>357.94)  | Chickens for fattening   |
| E 1623 | Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106), endo-1,4-beta-   | Chickens for fattening   |

|        | xylanase/EC 3.2.1.8<br>produced by <i>Trichoderma</i><br><i>longibrachiatum</i> (ATCC<br>2105) and subtilisin/EC<br>3.4.21.62 produced by<br><i>Bacillus subtilis</i> (ATCC<br>2107)   |                    |
|--------|--|--------------------|
| E 1624 | Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106), endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (IMI SD 135) and alpha-amylase/EC 3.2.1.1 produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553)  | Piglets (weaned)   |
| E 1625 | Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106), endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (IMI SD 135), alpha-amylase/EC 3.2.1.1 produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553) and polygalacturonase/EC 3.2.1.15 produced by <i>Aspergillus aculeatus</i> (CBS 589.94) | Piglets (weaned)   |
| E 1626 | Endo-1,4-beta-xylanase/<br>EC 3.2.1.8 produced<br>by <i>Trichoderma</i><br>longibrachiatum (ATCC<br>2105) and subtilisin/<br>EC 3.4.21.62 produced<br>by <i>Bacillus subtilis</i><br>(ATCC 2107)   | Piglets (weaned)   |
| E 1627 | Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106) and endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma</i>  | Pigs for fattening |

|        | longibrachiatum (ATCC 2105)   |  |
|--------|---|--|
| E 1628 | Endo-1,4-beta-xylanase/<br>EC 3.2.1.8 produced<br>by <i>Trichoderma</i><br><i>longibrachiatum</i> (ATCC<br>2105)  | Piglets (weaned); Pigs for fattening; Chickens for fattening       |
| E 1629 | Endo-1,4-beta-xylanase/<br>EC 3.2.1.8 produced<br>by <i>Trichoderma</i><br>longibrachiatum (ATCC<br>2105) and endo-1,3(4)-<br>beta-glucanase/EC 3.2.1.6<br>produced by <i>Trichoderma</i><br>longibrachiatum (ATCC<br>2106)   | Chickens for fattening   |
| E 1630 | Endo-1,4-beta-xylanase/ EC 3.2.1.8 produced by <i>Trichoderma</i> longibrachiatum (ATCC 2105) and subtilisin/ EC 3.4.21.62 produced by <i>Bacillus subtilis</i> (ATCC 2107)   | Chickens for fattening   |
| E 1631 | Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106) and endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (IMI SD 135)  | Chickens for fattening   |
| E 1632 | 3-Phytase/EC 3.1.3.8<br>produced by <i>Trichoderma</i><br>reesei (CBS 528.94)   | Chickens for fattening;<br>Piglets (weaned); Pigs for<br>fattening |
| E 1633 | Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106), endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105) and subtilisin/EC 3.4.21.62 produced by <i>Bacillus subtilis</i> (ATCC 2107) | Chickens for fattening   |

| E 1634 | Endo-1,3(4)-beta-glucanase/<br>EC 3.2.1.6 produced by<br>Aspergillus niger (MUCL<br>39199)   | Chickens for fattening   |
|--------|--|--|
| E 1635 | Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106)   | Chickens for fattening   |
| E 1636 | Endo-1,3(4)-beta-glucanase produced by <i>Trichoderma</i> reesei (CBS 526.94/EC 3.2.1.6)   | Piglets (weaned); Chickens for fattening   |
| E 1637 | Endo-1,4-beta-xylanase produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105)/EC 3.2.1.8 and Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 and alpha-amylase produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553)/EC 3.2.1.1; subtilisin produced by <i>Bacillus subtilis</i> (ATCC 2107)/EC 3.4.21.62 and polygalacturonase produced by <i>Aspergillus aculeatus</i> (CBS 589.94)/EC 3.2.1.15 | Chickens for fattening   |
| E 1638 | Endo-1,3(4)-beta-glucanase/EC 3.2.1.6 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2106), endo-1,4-beta-xylanase/EC 3.2.1.8 produced by <i>Trichoderma longibrachiatum</i> (ATCC 2105) and alpha-amylase/EC 3.2.1.1 produced by <i>Bacillus amyloliquefaciens</i> (DSM 9553)   | Piglets (weaned)   |
| E 1639 | 3-Phytase produced by<br>Hansenula polymorpha (DSM 15087)  | Chickens for fattening;<br>Turkeys for fattening; Laying<br>hens; Piglets; Pigs for<br>fattening; Sows |
| E 1640 | 6-Phytase produced by<br>Schizosaccharomyces pombe<br>(ATCC 5233)/EC 3.1.3.26  | Chickens for fattening   |
| E 1641 | Endo-1,4-beta-xylanase produced by <i>Trichoderma</i>  | Chickens for fattening   |

|                                      | longibrachiatum (MUCL 39203)/EC 3.2.1.8   |   |  |  |
|--------------------------------------|---|---|--|--|
| Micro-organisms                      |   |   |  |  |
| E 1704                               | Saccharomyces cerevisiae<br>CBS 493.94  | Calves  |  |  |
| E 1706                               | Enterococcus faecium<br>DSM 7134, Lactobacillus<br>rhamnosus DSM 7133             | Piglets (weaned)  |  |  |
| E 1709                               | Enterococcus faecium ATCC 53519, Enterococcus faecium ATCC 55593 (In a 1/1 ratio) | Chickens for fattening  |  |  |
| E 1714                               | Lactobacillus farciminis<br>CNCM MA 67/AR   | Piglets (weaned)  |  |  |
| Chemically well-defined subs         | tances having a similar biologic  | al effect to vitamins   |  |  |
| 3a900                                | Inositol  | All species with the exception of fish and crustacean   |  |  |
|                                      | Omega-6 Essential<br>Unsaturated Fatty acids (as<br>octadecadienoic acid)         | All species with the exception of Pigs for fattening; Sows for reproduction; Sows, in order to have benefit in piglets; Cows for reproduction; Dairy cows for milk production |  |  |
| 3a370                                | Taurine   | All species with the exception of canidae, felidae mustelidae and carnivorous fish  |  |  |
| E 670                                | Vitamin D <sub>2</sub>  | Pigs; Piglets; Bovines;<br>Ovines; Calves; Equines;<br>Other species or categories of<br>animals with the exception of<br>poultry and fish                                    |  |  |
| Urea and its derivatives             |   |   |  |  |
| 2.1.2.                               | Biuret, technically pure  | Ruminants from the beginning of rumination  |  |  |
| 2.1.3.                               | Urea-phosphate, technically pure  | Ruminants from the beginning of rumination  |  |  |
| 2.1.4.                               | Diureidoisobutane,<br>technically pure  | Ruminants from the beginning of rumination  |  |  |
| Flavouring and appetising substances |   |   |  |  |
| Natural products and correspondence  | onding synthetic products   |   |  |  |
|                                      | CAS No 134-20-3/Methyl anthranilate/Flavis No 09.715                              | Avian species   |  |  |

| CAS No 85-91-6/Methyl N-methylanthranilate/Flavis<br>No 09.781          | Avian species    |
|---|------------------|
| CAS No 93-28-7/Eugenyl acetate/Flavis No 09.020                         | Poultry and fish |
| CAS No 97-53-0/Eugenol/<br>Flavis No 04.003                             | Fish             |
| CAS No 107-85-7/3-<br>Methylbutylamine/Flavis No 11.001                 | Laying hens      |
| CAS No 75-50-3/<br>Trimethylamine/Flavis No 11.009                      | Laying hens      |
| CAS No 6627-88-9/4-<br>Allyl-2,6-dimethoxyphenol/<br>Flavis No 04.051   | Fish and poultry |
| CAS No 593-81-7/<br>Trimethylamine<br>hydrochloride/Flavis No<br>11.024 | Laying hens      |

## **Changes to legislation:**

There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2017/1145, ANNEX I.