

CODEX ALIMENTARIUS COMMISSION



Food and Agriculture
Organization of the
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World Health
Organization

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JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON PESTICIDE RESIDUES

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**REVISION OF THE CLASSIFICATION OF FOOD AND FEED:
CLASS B: PRIMARY FOOD COMMODITIES OF ANIMAL ORIGIN AND
CLASS E – PROCESSED FOODS OF ANIMAL ORIGIN**

(AT STEP 4)

(Prepared by the Electronic Working Group chaired by the United States of America
and co-chaired by the Netherlands)

Codex members and observers wishing to submit comments at Step 3 on this document
should do so as instructed in CL 2023/34-PR available on the Codex webpage¹

BACKGROUND

1. Background on the discussion of the revision of the *Classification of Food and Feed* (CXA 4-1989) can be found in the reports of the 36th – 53rd sessions of the Codex Committee on Pesticide Residues (CCPR) including relevant sessions of the Codex Alimentarius Commission (CAC) held from 2004 to 2022.²

Revision of the Classification of Food and Feed: Working principles and general decisions agreed to by CCPR
All commodities (food and feed)

2. The practice adopted by CCPR in the revision of the Classification is to retain the revision of the commodity groups (e.g. fruit commodity groups, vegetable commodity groups, etc.) waiting for the final compilation of the related commodity groups and the corresponding tables on examples of representative commodities for inclusion in the *Classification of Food and Feed* and the *Principles and Guidance on the Selection of Representative Commodities for the Extrapolation of Maximum Residue Limits for Pesticides to Commodity Groups* (CXG 84-2012) respectively.³
3. All commodity groups pertaining to one type and the corresponding examples of representative commodities for commodity groups of the said type⁴ should be finalized together in order to send a single document for final adoption by the Codex Alimentarius Commission and inclusion in the *Classification of Food and Feed* (CXA 4-1989) and the *Guidance on the Selection of Representative Commodities for the Extrapolation of Maximum Residue Limits for Pesticides to Commodity Groups* (CXG 84-2012).⁵

¹ Codex webpage/Circular Letters:
<http://www.fao.org/fao-who-codexalimentarius/resources/circular-letters/en/>.

Codex webpage/CCCF/Circular Letters:

<https://www.fao.org/fao-who-codexalimentarius/committees/committee/related-circular-letters/tr/?committee=CCPR>

² Reports of CCPR and CAC meetings are available at:
<http://www.fao.org/fao-who-codexalimentarius/committees/committee/en/?committee=CCPR>

<http://www.fao.org/fao-who-codexalimentarius/committees/cac/meetings/en/>

³ ALINORM 10/33/24, para. 96, ALINORM 07/30/24 para. 150

⁴ Types may refer to fruit commodity groups, vegetable commodity groups, etc.

⁵ ALINORM 10/33/24, para. 96, ALINORM 07/30/24 para. 150

4. In addition, when revising the groups and subgroups under the given type, the following should be observed: (i) to include a commodity only in one group or subgroup to avoid confusion of having two different CXLs⁶ for the same commodity; (ii) to include the same commodity with different plant parts in different groups to allow consideration of plant parts when describing a commodity; (iii) to include cross-referencing where commodities (without a code number) can be listed in a group, but with reference to its primary classification; (iv) to include the word “subgroup” to the description of all subgroups to prevent misinterpretation between subgroups and individual commodities that share the same or similar name.⁷
5. No changes would be made to existing CXLs until such time as the Joint FAO/WHO Meeting on Pesticide Residues (JMPR) reviews were completed as per current procedures for the establishment of Codex schedules and priority list of pesticides. The Committee agreed that the same approach would be taken when reviewing other commodity groups in the database following the adoption of revised commodity groups in the Classification”.⁸

WORK PROCESS AND GENERAL CONSIDERATIONS

6. CCPR53 (2022) agreed to re-establish the EWG on the revision of the Classification, chaired by USA and co-chaired by The Netherlands to continue consideration of Class B, Primary Food Commodities of Animal Origin and Class E, Processed Foods of Animal Origin.⁹

Consideration of Class B

7. The EWG considered Class B for CCPR53. Additional groups, subgroups and commodities were proposed for inclusion in Class B.
8. The EWG again considered Class B for CCPR54. The current Class B includes 5 types, 16 groups, 2 reserved groups and no subgroups. Based on discussions and comments from the EWG, the revised Class B includes 6 types, 18 groups, no reserved groups and 65 subgroups. The additional groups include groups for Amphibians and Reptiles (replaces reserved Group 046) and Invertebrate animals group (replaces reserved Group 047). Numerous commodities have also been added to the respective groups/subgroups. The revised Class B can be found in Appendix I.

Consideration of Class E

9. The EWG considered Class E for CCPR53. Additional groups, subgroups and commodities were proposed for inclusion in Class E.
10. The EWG again considered Class E for CCPR54. The current Class E includes 4 Types, 8 groups (and 1 reserved groups) and no subgroups. Based on discussions and comments from the EWG, the revised Class E includes 10 groups with Group 081 Dried muscle and other avian products replacing Reserved Group 081. Group 083 Secondary invertebrate food commodities of animal origin has also been added. Additional subgroups (13) have been added along with numerous commodities. The proposed revised Class E can be found in Appendix II.

DISCUSSION

11. For Class B, discussion in the EWG for CCPR54 included comments by China to include the addition of a number of freshwater fish, marine fish, crustaceans, amphibians, reptiles, mollusc, and other invertebrates. Australia proposed the use for the harmonized definition (JECFA/CCRVDF) for edible offal for meat, muscle, and fat and to change the term “meat” to “muscle”. Thailand proposed changing “poultry” to “avian” given the addition of avian species. Thailand also proposed the addition of a number of invertebrate commodities. No reaction was received to Japan’s proposal to adjust the introductory text for Group 044, so no adjustment has been made.

For Class E, discussion in the EWG for CCPR 54 included comments from Germany and Iran regarding avian products and Thailand proposed a number of additional fish and insect commodities. China proposed a number of dried fish products.

⁶ CXLs or [Codex] MRLs or [existing] MRLs (= Codex maximum residue limits for pesticides as adopted by the Codex Alimentarius Commission)

⁷ REP17/PR49, para. 112

⁸ REP13/PR45, para. 109; REP16/PR, para. 119

⁹ REP22/PR53 para. 178.

CONCLUSIONS

12. The revised Class B includes an additional type, two new groups and subgroups were added to several existing groups. Additional groups include groups for Amphibians and Reptiles (replaces reserved Group 046) and Invertebrate animals group (replaces reserved Group 047). A new type 'MISCELLANEOUS PRIMARY FOOD COMMODITIES OF ANIMAL ORIGIN' was added (proposed Type 10a) for the inclusion of honey and other bee product. To add the new groups, the existing numbering had to be adjusted and new group numbers were added in types 8, 9 and 10. For the new subgroups in Class B, the codes from 3700 have been used. As far as possible, for the new products a number in the same range as the existing products in a group has been used.
13. The revised Class E includes two additional groups including Dried avian muscle and other avian products which replaces 081 Reserved and Group 083 Secondary invertebrate food commodities of animal origin. Additional subgroups were added to groups 080, 083 and 085.

RECOMMENDATIONS

14. This paper should be read in conjunction with CX/PR 23/54/7 (Agenda Item 7b).
15. CCPR is invited to consider the revised Class B (Appendix I) and revised Class E (Appendix II), based on the above conclusions and comments received in reply to the circular letter.

APPENDIX I

**REVISION OF THE CLASSIFICATION OF FOOD AND FEED:
CLASS B: PRIMARY FOOD COMMODITIES OF ANIMAL ORIGIN**

CLASS B PRIMARY FOOD COMMODITIES OF ANIMAL ORIGIN

For the purpose of the Codex Alimentarius the term “primary food commodity” means the product in or nearly in its natural state, intended for processing into food for sale to the consumer or intended for sale to the consumer as a food without further processing. It includes irradiated primary food commodities and products after removal of certain parts of the animal tissue, e.g. bones.

Food commodities of animal origin are parts of domesticated or wild animals, including their eggs and mammary secretions.

TYPE 6 MAMMALIAN PRODUCTS

Mammalian products are derived from the edible parts of various mammals, primarily herbivorous, slaughtered for food. These mammals are usually domesticated, or to a lesser extent obtained as game animals. This type does not include edible products from marine mammals, for which see Group 044.

Muscle (from mammals other than marine mammals)

Class B

Type 6 Mammalian products Group 030 Group Letter Code MM

Group 030. Muscle, including adhering fatty tissues such as intramuscular, intermuscular, and subcutaneous fat from animal carcasses or cuts of these as prepared for wholesale or retail distribution in a “fresh” state. The cuts offered to the consumer may include bones, connective tissues, and tendons as well as nerves and lymph nodes.

The commodity description of “fresh” muscle includes muscle which has been quick-frozen or quick-frozen and thawed.

The Group does not include edible offal as defined in Group 032.

Exposure to pesticides is through animal metabolism following oral intake with feed or through dermal intake as a consequence of external use of pesticides against ectoparasites.

The entire commodity except bones may be consumed.

Muscle is the skeletal tissue of an animal carcass or cuts of these tissues from an animal carcass that contains interstitial and intramuscular fat. The muscular tissue may also include bone, connective tissue, tendons as well as nerves and lymph nodes in natural portions. It does not include edible offal or trimmable fat.

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity (without bones). For fat-soluble pesticides a portion of adhering fat is analysed and MRLs apply to the fat. For those commodities where the adhering fat is insufficient to provide a suitable sample, the whole commodity (without bone) is analysed and the MRL applies to the whole commodity (e.g. rabbit muscle) (ref. ALINORM 87/24, Appendix IV, paragraph 6).**

Eight subgroups are defined:

Subgroup 030A Bovine muscle

Subgroup 030B Camelid muscle

Subgroup 030C Caprine muscle

Subgroup 030D Cervine muscle

Subgroup 030E Equine muscle

Subgroup 030F Ovine muscle

Subgroup 030G Swine muscle

Subgroup 030H Various other mammalian muscles

Group 030 Muscle (from mammals other than marine mammals)

Code No.

Commodity

MM 0095

Group of muscle (from mammals other than marine mammals)

(includes all commodities in Group 030)

Subgroup 030A Bovine muscle

<u>Code No.</u>	<u>Commodity</u>
MM 3700	Subgroup of bovine muscle (includes all commodities in Subgroup 030A)
-	Banteng, muscle See cattle muscle, MM 0812 <i>Bos javanicus</i> d'Alton
MM 0810	Buffalo, muscle <i>Bubalus bubalis</i> L. <i>Syncerus caffer</i> Sparrman <i>Bison bison</i> L. <i>Bison bonasus</i> L.
-	Buffalo, African, muscle , see Buffalo, muscle MM 0810 <i>Syncerus caffer</i> Sparrman
-	Buffalo, American, muscle , see Buffalo, muscle, MM 0810 <i>Bison bison</i> L.
-	Buffalo, Cape, muscle , see Buffalo, muscle, MM 0810
-	Buffalo, water, muscle , see Buffalo, muscle, MM 0810 <i>Bubalus bubalis</i> L.; syn: <i>Bubalis buffalus</i> Blum; <i>Bos bubalis</i> Brise; <i>Bubalis bos</i> Wall.
-	Bison, European, muscle , see Buffalo, muscle, MM 0810 <i>Bison bonasus</i> L.
-	Calf, muscle , see Cattle, muscle, MM 0812
MM 0812	Cattle, muscle Breeds and interbreeds of among others <i>Bos taurus</i> L.; <i>B. indicus</i> L.; <i>B. grunniens</i> L.; breeds of <i>B. javanicus</i> d'Alton <i>Bos frontalis</i> Lam.
-	Gayal, muscle , See Cattle, muscle, MM 0812 <i>Bos frontalis</i> Lam.
-	Veal, muscle , see Cattle, muscle, MM 0812
-	Water buffalo, muscle , see Buffalo, muscle, MM 0810 <i>Bubalus bubalis</i> L.
-	Yak, muscle , see Cattle, muscle, MM 0812 <i>Bos grunniens</i> L.
-	Zebu, muscle , see Cattle muscle, MM 0812 <i>Bos indicus</i> L.

Subgroup 030B Camelid muscle

<u>Code No.</u>	<u>Commodity</u>
MM 3701	Subgroup of camelid muscle (includes all commodities in Subgroup 030B)
MM 0811	Camel, muscle <i>Camelus bactrianus</i> L.; <i>C. dromedarius</i> L.; <i>Lama glama</i> L.; <i>Lama pacos</i> L.
-	Alpaca, muscle See Camel, muscle, MM 0811 <i>Lama pacos</i> L.
-	Camel, Bactrian, muscle , see Camel, muscle, MM 0811 <i>Camelus bactrianus</i> L.
-	Dromedary, muscle , see Camel, muscle, MM 0811 <i>Camelus dromedarius</i> L.
-	Llama or lama, muscle , see Camel, muscle, MM 0811 Breeds of <i>Lama glama</i> L.; <i>Lama pacos</i> L.

Subgroup 030C Caprine muscle

<u>Code No.</u>	<u>Commodity</u>
MM 3702	Subgroup of caprine muscle (includes all commodities in Subgroup 030C)
MM 0814	Goat, muscle Breeds of <i>Capra hircus</i> L.; other <i>Capra</i> spp., several breeds.

Subgroup 030D Cervine muscle

<u>Code No.</u>	<u>Commodity</u>
MM 3703	Subgroup of cervine muscle (includes all commodities in Subgroup 030D)
MM 0813	Deer, muscle among others <i>Cervus elaphus germanicus</i> Desmarest; <i>Dama dama dama</i> L.; syn: <i>Cervus dama</i> Corbet & Hill; other <i>Cervus</i> spp. and ssp.
-	Deer, fallow, muscle , see Deer, muscle, MM 0813 <i>Dama dama dama</i> L.; syn: <i>Cervus dama</i> Corbet & Hill
-	Deer, red, muscle , see Deer, muscle, MM 0813 <i>Cerphus elaphus</i> L.; other <i>Cerphus</i> spp., several ssp.
MM 0824	Elk, muscle <i>Alces alces</i> (L.)
-	Moose, European, muscle , see Elk, muscle, MM 0824 <i>Alces alces</i> L.
MM 0820	Reindeer, muscle <i>Rangifer tarandus</i> (L.) (dom.)
MM 0821	Roe, muscle <i>Capreolus capreolus capreolus</i> (L.)

Subgroup 030E Equine muscle

<u>Code No.</u>	<u>Commodity</u>
MM 3704	Subgroup of equine muscle (includes all commodities in Subgroup 030E)
MM 0825	Donkey, muscle <i>Equus asinus</i> L. Syn: <i>Asinus vulgaris</i> Gray <i>Equus asinus asinus</i> L. <i>Equus asinus palaestinae</i> Ducos <i>Equus africanus asinus</i> L.
MM X0826	Hinny, muscle <i>Equus caballus</i> L. x <i>Equus asinus</i> L.
MM 0816	Horse, muscle Several breeds of <i>Equus caballus</i> L.
MM 0827	Mule, muscle <i>Equus asinus</i> L. x <i>Equus caballus</i> L.

Subgroup 030F Ovine muscle

<u>Code No.</u>	<u>Commodity</u>
MM 3705	Subgroup of ovine muscle (includes all commodities in Subgroup 030F)
-	Lamb, muscle , see Sheep, muscle, MM 0822
-	Mouflon, muscle , see Sheep, muscle, MM 0822 <i>Ovis musimon</i> (Pallas); syn: <i>Aegoceros musimon</i> Pallas
MM 0822	Sheep, muscle Several breeds of <i>Ovis aries</i> L.; other <i>Ovis</i> spp.

Subgroup 030G Swine muscle

<u>Code No.</u>	<u>Commodity</u>
MM 3706	Subgroup of swine muscle (includes all commodities in Subgroup 030G)
MM 0818	Pig, muscle among other <i>Sus domesticus</i> Erxleben and breeds; <i>Sus</i> spp. and ssp.
MM 0823	Wild boar, muscle <i>Sus scrofa scrofa</i> L.

Subgroup 030H Various other mammalian muscles

Code No.	Commodity
MM 3707	Subgroup of various other mammalian muscles (includes all commodities in Subgroup 030H)
MM 0828	Capybara, muscle <i>Hydrochoerus hydrochaeris</i> L.
MM 0829	Dog, muscle <i>Canis familiaris</i> L.
MM 0830	Guinea pig, muscle <i>Cavia porcellus</i> L.
MM 0815	Hare, muscle <i>Lepus europaeus</i> Pallas, several ssp. and var.; <i>L. timidus</i> L., several var.; other <i>Lepus</i> spp.
MM 0817	Kangaroo, muscle Genera of the family <i>Macropodinae</i>
MM 0831	Peccary, collared, muscle <i>Pecari tajacu</i> L.
MM 0832	Possum, muscle several species of the zoological suborder <i>Phalangeriformes</i>
MM 0833	Rat, muscle <i>Rattus</i> spp.
MM 0819	Rabbit, muscle <i>Oryctolagus cuniculus</i> L.; <i>O. cuniculus fodiens</i> (Gray); <i>Lepus cuniculus</i> L.; <i>Sylvilagus</i> spp.
-	Wallaby muscle , see Kangaroo, muscle, MM 0817

Mammalian fats (except fat from marine mammals)**Class B****Type 6 Mammalian products Group 031 Group Letter Code MF**

Group 031. Mammalian fats, excluding milk fats are derived from the fatty tissues of animals (not processed). For processed animal fats see Group 085.

Exposure to pesticides is through animal metabolism following oral intake with feed or through dermal intake as a consequence of external use of the pesticides against ectoparasites.

The entire commodity may be consumed.

Fat is the food-based tissue that is trimmable from an animal carcass or cuts from an animal carcass. It may include subcutaneous, omental or perirenal fat. It does not include interstitial or intramuscular carcass fat or milk fat.

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity.**

The scientific species names of the relevant animals are not repeated for this group of commodities. For these names see Group 030 Muscle (from mammals other than marine mammals).

Eight subgroups are defined

Subgroup 031A Bovine fat

Subgroup 031B Camelid fat

Subgroup 031C Caprine fat

Subgroup 031D Cervine fat

Subgroup 031E Equine fat

Subgroup 031F Ovine fat

Subgroup 031G Swine fat

Subgroup 031H Various other mammalian fats

Group 031 Mammalian fats

<u>Code No.</u>	<u>Commodity</u>
MF 0100	Group of Mammalian fats (except milk fats) (includes all commodities in Group 031)
Subgroup 031A	Bovine fat
<u>Code No.</u>	<u>Commodity</u>
MF 3700	Subgroup of bovine fat (includes all commodities in Subgroup 031A, (see Subgroup 030A for species included in the group of bovine))
MF 0810	Buffalo, fat
MF 0812	Cattle, fat
Subgroup 031B	Camelid fat
<u>Code No.</u>	<u>Commodity</u>
MF 3701	Subgroup of camelid fat (includes all commodities in Subgroup 031B, (see Subgroup 030B for species included in the group of camelid))
MF 0811	Camel, fat
Subgroup 031C	Caprine fat
<u>Code No.</u>	<u>Commodity</u>
MF 3702	Subgroup of caprine fat (includes all commodities in Subgroup 031C(see Subgroup 030C for species included in the group of caprine)))
MF 0814	Goat, fat

Subgroup 031D	Cervine, fat
Code No.	Commodity
MF 3703	Subgroup of cervine fat (includes all commodities in Subgroup 031D, (see Subgroup 030D for species included in the group of cervine))
Subgroup 031E	Equine fat
Code No.	Commodity
MF 3704	Subgroup of equine fat (includes all commodities in Subgroup 031E, (see Subgroup 030E for species included in the group of equine))
MF 0816	Horse, fat
Subgroup 031F	Ovine fat
Code No.	Commodity
MF 3705	Subgroup of ovine fat (includes all commodities in Subgroup 031F, (see Subgroup 030F for species included in the group of ovine))
MF 0822	Sheep, fat
Subgroup 031G	Swine fat
Code No.	Commodity
MF 3706	Subgroup of swine fat (includes all commodities in Subgroup 031G, (see Subgroup 030G for species included in the group of swine))
MF 0818	Pig, fat
MF 0823	Wild boar, fat
Subgroup 031H	Various other mammalian fats
Code No.	Commodity
MF 3707	Subgroup of various other mammalian fats (includes all commodities in Subgroup 031H, (see Subgroup 030H for species included in the group of various other mammals))
MF 0828	Capybara, fat
MF 0829	Dog, fat
MF 0830	Guinea pig, fat
MF 0815	Hare, fat
MF 0817	Kangaroo, fat
MF 0831	Peccary, collared, fat
MF 0832	Possum, fat
MF 0833	Rat, fat
MF 0819	Rabbit, fat

Edible offal (Mammalian)**Class B****Type 6 Mammalian products Group 032 Group Letter Code MO**

Group 032. Edible offal are those parts of an animal, apart from the skeletal muscle, fat and attached skin, that are considered fit for human consumption.

Examples: liver, kidney, tongue, heart, stomach, sweetbread (thymus gland), brain, etc.

The group name and definitions are in conformity with those recorded in the Codex Standards 89-1981 and 98-1981, Codex Standard for luncheon meat and Codex Standard for cooked cured chopped meat respectively: "Edible offal" means such offal's as have been passed as fit for human consumption, but not including lungs, ears, scalp, snout (including lips and muzzle), mucous membranes, sinews, genital system, udders, intestines and urinary bladder". In the former Classification of Food and Food Groups in the Guide to Codex Maximum Limits for Pesticide Residues 1978: CAC/PR 1-1978 the name Meat by-products was used for this group.

Exposure to pesticides is through animal metabolism following oral intake with feed or through dermal intake as a consequence of external use of pesticides on livestock animals against ectoparasites.

The entire commodity may be consumed.

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity.**

The scientific species names of the relevant animals are not repeated for this group of commodities. For these names see Group 030 Muscle (from mammals other than marine mammals).

Eight subgroups are defined

- Subgroup 032A Bovine edible offal
- Subgroup 032B Camelid edible offal
- Subgroup 032C Caprine edible offal
- Subgroup 032D Cervine edible offal
- Subgroup 032E Equine edible offal
- Subgroup 032F Ovine edible offal
- Subgroup 032G Swine edible offal
- Subgroup 032H Various other mammalian edible offal

Group 032 Edible offal (Mammalian)

<u>Code No.</u>	<u>Commodity</u>
MO 0105	Group of Edible offal (Mammalian) (includes all commodities of Group 032)
Subgroup 032A	Bovine edible offal
<u>Code No.</u>	<u>Commodity</u>
MO 3700	Subgroup of bovine edible offal (includes all commodities in Subgroup 032A, (see Subgroup 030A for species included in the group of bovine))
MO 0810	Buffalo, edible offal of
MO 1282	Buffalo, kidney
MO 1283	Buffalo, liver
MO 0812	Cattle, edible offal of
MO 1280	Cattle, kidney
MO 1281	Cattle, liver

Subgroup 032B	Camelid edible offal
<u>Code No.</u>	<u>Commodity</u>
MO 3701	Subgroup of camelid edible offal (includes all commodities in Subgroup 032B, (see Subgroup 030A for species included in the group of camelid))
MO 0811	Camel, edible offal of
MO 1286	Camel, kidney
MO 1287	Camel, liver
Subgroup 032C	Caprine edible offal
<u>Code No.</u>	<u>Commodity</u>
MO 3702	Subgroup of caprine edible offal (includes all commodities in Subgroup 032C, (see Subgroup 030C for species included in the group of caprine))
MO 0814	Goat, edible offal of
MO 1290	Goat, liver
MO 1291	Goat, kidney
Subgroup 032D	Cervine edible offal
<u>Code No.</u>	<u>Commodity</u>
MO 3703	Subgroup of cervine edible offal (includes all commodities in Subgroup 032D, (see Subgroup 030D for species included in the group of cervine))
MO 0813	Deer, edible offal of
MO 1294	Deer, kidney
MO 1295	Deer, liver
Subgroup 032E	Equine edible offal
<u>Code No.</u>	<u>Commodity</u>
MO 3704	Subgroup of equine edible offal (includes all commodities in Subgroup 032E, (see Subgroup 030E for species included in the group of equine))
MO 0825	Donkey, edible offal of
MO 1296	Donkey, kidney
MO 1297	Donkey, liver
MO 0816	Horse, edible offal of
MO 1292	Horse, kidney
MO 1293	Horse, liver
Subgroup 032F	Ovine edible offal
<u>Code No.</u>	<u>Commodity</u>
MO 3705	Subgroup of ovine edible offal (includes all commodities in Subgroup 032F, (see Subgroup 030F for species included in the group of ovine))
MO 0822	Sheep, edible offal of
MO 1288	Sheep, kidney
MO 1289	Sheep, liver

Subgroup 032G	Swine edible offal
<u>Code No.</u>	<u>Commodity</u>
MO 3706	Subgroup of swine edible offal (includes all commodities in Subgroup 032G, (see Subgroup 030G for species included in the group of swine))
MO 0818	Pig, edible offal of
MO 1284	Pig, kidney
MO 1285	Pig, liver
MO 1298	Pig, skin
MO 0823	Wild boar, edible offal of
Subgroup 032H	Various other mammalian edible offal
<u>Code No.</u>	<u>Commodity</u>
MO 3707	Subgroup of various other mammalian edible offal (includes all commodities in Subgroup 032H, (see Subgroup 030H for species included in the group of various other mammals))
MO 0815	Hare, edible offal of
MO 1299	Hare, kidney
MO 1300	Hare, liver
MO 0817	Kangaroo, edible offal of
MO 1301	Kangaroo, kidney
MO 1302	Kangaroo, liver
MO 1303	Possum, edible offal of
MO 1304	Possum, kidney
MO 1305	Possum, liver
MO 0819	Rabbit, edible offal of
MO 1306	Rabbit, kidney
MO 1307	Rabbit, liver

Milks**Class B****Type 6 Mammalian products Group 033 Group Letter Code ML**

Group 033. Milks are the mammary secretions of various species of lactating herbivorous ruminant animals, usually domesticated.

In conformity with the Codex Alimentarius Code of Principles concerning Milk and Milk products the term "Milk" shall mean exclusively the normal mammary excretion obtained from one or more milkings without either addition thereto or extraction therefrom.

Notwithstanding the provisions in the preceding paragraph, "the term "Milk" may be used for milk treated without altering its composition, or for milk, the fat content of which has been standardised under domestic legislation".

The entire commodity may be consumed.

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity.**

The scientific species names of the relevant animals are not repeated for this group of commodities. For these names see Group 030 Muscle (from mammals other than marine mammals).

Eight subgroups are defined

Subgroup 033A Bovine milk

Subgroup 033B Camelid milk

Subgroup 033C Caprine milk

Subgroup 033D Cervine milk

Subgroup 033E Equine milk

Subgroup 033F Ovine milk

Group 033 Milks**Code No.****Commodity**

ML 0106

Group of milks

(includes all commodities in Group 033)

Subgroup 033A Bovine milk**Code No.****Commodity**

ML 3700

Subgroup of bovine milk

(includes all commodities of Subgroup 033A, (see Subgroup 030A for species included in the group of bovine))

ML 0810

Buffalo, milk

ML 0812

Cattle, milk**Subgroup 033B Camelid milk****Code No.****Commodity**

ML 3701

Subgroup of camelid milk

(includes all commodities of Subgroup 033B, (see Subgroup 030A for species included in the group of camelid))

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Camel, Bacterian, milk See Camel, milk, ML 0811

ML 0811

Camel, milk**Subgroup 033C Caprine milk****Code No.****Commodity**

ML 3702

Subgroup of caprine milk

(includes all commodities of Subgroup 033C, (see Subgroup 030C for species included in the group of caprine))

ML 0814

Goat, milk

Subgroup 033D Cervine milk

<u>Code No.</u>	<u>Commodity</u>
ML 3703	Subgroup of cervine milk (includes all commodities of Subgroup 033D, (see Subgroup 030D for species included in the group of cervine))
ML 0824	Elk, milk
ML 0820	Reindeer, milk

Subgroup 033E Equine milk

<u>Code No.</u>	<u>Commodity</u>
ML 3704	Subgroup of equine milk (includes all commodities of Subgroup 033E, (see Subgroup 030E for species included in the group of equine))
ML 0825	Donkey, milk
ML 0816	Horse, milk

Subgroup 033F Ovine milk

<u>Code No.</u>	<u>Commodity</u>
ML 3705	Subgroup of ovine milk (includes all commodities of Subgroup 033F (see Subgroup 030F for species included in the group of ovine))
ML 0822	Sheep, milk

TYPE 7 AVIAN PRODUCTS**Class B****Type 7 Avian products Group 036 Group Letter Code PM**

Group 036.

Muscle is the skeletal tissue of an animal carcass or cuts of these tissues from an animal carcass that contains interstitial and intramuscular fat. The muscular tissue may also include bone, connective tissue, tendons as well as nerves and lymph nodes in natural portions. It does not include edible offal or trimmable fat.

Exposure to pesticides may result from external treatment of animals or poultry houses or through animal metabolism following oral intake of pesticides with feed.

The entire product may be consumed.

Portion of the commodity to which the MRL applies (and which is analysed): Whole commodity (without bones): For fat-soluble pesticides a portion of adhering fat is analysed and MRLs apply to the avian fat.

Group 036	Avian muscle
Code No.	Commodity
PM 0110	Group of avian muscle (includes all commodities in Group 036)
PM 0840	Chicken, muscle Several breeds of <i>Gallus gallus</i> L. and other <i>Gallus</i> spp.
PM 0841	Duck, muscle Breeds of <i>Anas platyrhynchos</i> L. and other <i>Anas</i> spp.
PM 0852	Duck, Muscovy, muscle <i>Cairina moschata</i> L.
-	Dove, collared, muscle , see Pigeon, muscle PM 0846 <i>Streptopelia</i> spp.
-	Dove, turtle, muscle , see Pigeon, muscle PM 0846 <i>Streptopelia</i> spp.
PM 0850	Emu, muscle <i>Dromaius novaehollandiae</i>
PM 0842	Goose, muscle <i>Anser anser</i> L.; other <i>Anser</i> spp.
PM 0853	Grouse, muscle <i>Tetraonini</i> tribe species
PM 0843	Guinea-fowl, muscle Breeds of <i>Numida meleagris</i>
PM 0851	Ostrich, muscle <i>Struthio camelus</i> L.
PM 0844	Partridge, muscle <i>Perdrix</i> spp. and <i>Alectoris</i> spp.
PM 0854	Peafowl, green, muscle <i>Pavo muticus</i> L.
PM 0845	Pheasant, muscle Breeds of <i>Phasianus colchicus</i> and other <i>Phasianus</i> spp. and ssp.
PM 0846	Pigeon, muscle Breeds of <i>Columba livia</i> Gmelin: other <i>Columba</i> spp.; <i>Streptopelia</i> spp.
PM 0847	Quail, muscle <i>Coturnix coturnix</i> L.; <i>Colinus virginianus</i> ; <i>Lophotyx californicus</i> ; <i>Coturnix japonica</i> L.
-	Quail,bobwhite muscle , see Quail, muscle, PM 0847 <i>Colinus virginianus</i>
-	Quail, California muscle , see Quail, muscle, PM 0847 <i>Lephotyx californicus</i>
-	Quail, Japanese, muscle see Quail, muscle, PM 0847 <i>Coturnix japonica</i> L.
PM 0838	Rhea, American, muscle <i>Rhea americana</i> L.
PM 0839	Swan, mute, muscle <i>Cygnus olor</i> Gmelin
PM 0848	Turkey, muscle Breeds of <i>Meleagris gallopavo</i> L.

Avian fats**Class B****Type 7 Avian products Group 037 Group Letter Code PF**

Fat is the lipid-based tissue that is trimmable from an animal carcass or cuts from an animal carcass. It may include subcutaneous, omental or perirenal fat. It does not include interstitial or intramuscular carcass fat or milk fat. Exposure to pesticides may result from external treatment of animals or poultry houses or through animal metabolism following oral intake of pesticides with feed.

The entire product may be consumed.

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity.**

The scientific species names of the relevant animals are not repeated for this group of commodities. For these names see Group 036 Avian muscle.

Group 037 Avian fats**Code No. Commodity**

PF 0111	Group of avian fats (includes all commodities in Group 037)
PF 0840	Chicken, fat
PF 0841	Duck, fat
PF 0850	Emu, fat
PF 0842	Goose, fat
PF 0851	Ostrich, fat
PF 0848	Turkey, fat

Avian, Edible offal of**Class B****Type 7 Avian products Group 038 Group Letter Code PO**

Edible offal are those parts of an animal, apart from the skeletal muscle, fat and attached skin, that are considered fit for human consumption. Examples: liver, gizzard, heart, skin etc. In the former Classification of Food and Food Groups in the Guide to Codex Maximum Limits for Pesticide Residues 1978: CAC/PR 1-1978 the name Poultry by-products was used for this group.

Exposure to pesticides is through animal metabolism following oral intake of pesticides with feed or may result from external treatment of animals or poultry houses.

The entire product may be consumed.

Portion of the commodity to which the MRL applies (and which is analysed): **Whole Commodity.**

Group 038 Avian, Edible offal of**Code No. Commodity**

PO 0111	Group of avian, Edible offal of (includes all commodities in Group 038)
PO 0113	Poultry skin
PO 0840	Chicken, edible offal of
PO 0841	Duck, edible offal of
PO 0850	Emu, edible offal of
PO 0842	Goose, edible offal of
PO 0849	Goose, liver
PO 0851	Ostrich, edible offal of
PO 0848	Turkey, edible offal of

Eggs**Class B****Type 7 Avian products Group 039 Group Letter Code PE**

Group 039. Eggs are the fresh edible portion of the body produced by female birds, especially domestic fowl.

The edible portion includes egg yolk and egg white after removal of the shell.

Portion of the commodity to which the MRL applies (and which is analysed): Whole egg whites and yolks combined after removal of shell.

The scientific species names of the relevant animals are not repeated for this group of commodities. For these names see Group 036 Avian muscles.

Group 039 Eggs

<u>Code No.</u>	<u>Commodity</u>
PE 0112	Group of eggs (includes all commodities in Group 039)
PE 0840	Chicken, eggs
PE 0841	Duck, eggs
PE 0850	Emu, eggs
PE 0842	Goose, eggs
PE 0843	Guinea-fowl, eggs
PE 0851	Ostrich, eggs
PE 0847	Quail, eggs
PE 0838	Rhea, American, eggs
PE 0848	Turkey, eggs

TYPE 8 AQUATIC ANIMAL PRODUCTS

Aquatic animal products re derived from the edible parts of various aquatic animals, usually wild, harvested for food.

Group 040-042 Fish

Group 040-042 Fish are gilled, aquatic vertebrate and/or cartilaginous animals of various zoological families and species, usually wild, as caught and prepared for wholesale and retail distribution. Exposure to pesticides is through animal metabolism or through water pollution. The fleshy parts of the animals and, to a lesser extent, milt and roe are consumed.

Portion of the commodity to which the MRL applies (and which is analysed). **Whole commodity (in general after removing the digestive tract).**

Group 040 Freshwater fish**Class B****Type 8 Aquatic animal products Group 040 Group Letter Code WF**

The freshwater fishes generally remain lifelong, including the spawning period, in fresh water (lakes, ponds, rivers and brooks).

Several species of freshwater fish are domesticated and bred in fish farms. Exposure of the latter species to pesticides is mainly through compounded fish feed and can also be through water pollution.

Six subgroups of freshwater fishes are defined

Subgroup 040A Barbs

Subgroup 040B Carps

Subgroup 040C Catfishes

Subgroup 040D Perches

Subgroup 040E Tilapias

Subgroup 040F Various other freshwater fishes

Group 040 Freshwater fish

<u>Code No.</u>	<u>Commodity</u>
WF 0115	Group of freshwater fish (includes all commodities in Group 040)

Subgroup 040A Barbs

<u>Code No.</u>	<u>Commodity</u>
WF 3710	Subgroup of Barbs (includes all commodities in Subgroup 040A)
WF 0855	Barbs <i>Puntius</i> spp.; syn: <i>Barbus Cuvier</i> spp.
-	Barb, silver see Barbs, WF 0855 <i>Barbonymus gonionotus</i> Bleeker
WF 0871	Bulatmai barbel <i>Luciobarbus capitoi</i> Güldenstädt
WF 0872	Spinubarbus hollandi <i>Spinibarbus hollandi</i> Ōshima
WF 0873	Qingbo fish <i>Spinibarbus sinensis</i> Bleeker

Subgroup 040B Carps

Code No.	Commodity
WF 3711	Subgroup of Carps (includes all commodities in Subgroup 040B)
WF 0858	Bream <i>Abramis brama</i> L.; other <i>Abramis</i> spp.
WF 0874	Bream, black <i>Megalobrama mantschuricus</i> Basilewsky
WF 0875	Bream, Wuchang <i>Megalobrama amblycephala</i> P. L. Yih
WF 0859	Carps <i>Cyprinus carpio</i> L.; <i>Ctenopharyngodon idella</i> ; other spp. of the family <i>Cyprinidae</i>
WF 0876	Carp, bighead <i>Aristichthys nobilis</i> J. Richardson
WF 0877	Carp, black <i>Mylopharyngodon piceus</i> J. Richardson
-	Carp, Chinese , see Carp, WF 0859
-	Carp, common , see Carps, WF 0859 <i>Cyprinus carpio</i> L.
-	Carp, Crucian see Carps, WF 0859 <i>Carassius Carassius</i>
-	Carp, grass , see Carps, WF 0859 <i>Ctenopharyngodon Idella</i>
WF 0860	Carp, Indian <i>Labeo rohita</i> ; <i>L. calbassa</i> ; <i>Catla catla</i> ; <i>Cirrhinus mrigala</i>
WF 0878	Carp, predatory <i>Chanodichthys erythropterus</i> Basilewsky
-	Carp, silver see Carps, WF 0859 <i>Hypophthalmichthys molitrix</i>
WF 0879	Gobies, freshwater <i>Gobio gobio</i> L.; syn: <i>G. fluviatilis</i> Agass; other freshwater spp. of the family <i>Gobiidae</i>
-	Rhinofishes , see Carp, Indian, WF 0860 <i>Labeo</i> spp. among other <i>Labeo rohita</i> <i>Labeo calbassa</i>
WF 0867	Roaches <i>Rutilus rutilus</i> L.; syn: <i>Leuciscus rutilus</i> L.; other <i>Rutilus</i> (syn: <i>Leuciscus</i>) spp.

Subgroup 040C Catfishes

<u>Code No.</u>	<u>Commodity</u>
WF 3712	Subgroup of Catfishes (includes all commodities in Subgroup 040C)
WF 0861	Catfishes (freshwater) <i>Ictalurus punctatus</i> and other <i>Ictalurus</i> spp. (North America); <i>Bagrus</i> spp. (Africa); <i>Kryptopterus</i> spp. (Asia); <i>Clarias</i> spp. (Africa/Asia); <i>Silurus glanis</i> L. (Europe, Russia); <i>Tandanus tandanus</i> (Australia)
-	Basa , see Pangasius, WF 0882 <i>Pangasius bocourti</i> Sauvage
-	Catfish, Clarias see Catfishes (freshwater), WF 0861 <i>Clarias</i> spp.
-	Channel catfish , see Catfishes (freshwater), WF 0861 <i>Ictalurus punctatus</i>
WF 0880	Catfish, yellow <i>Pelteobagrus fulvidraco</i> J. Richardson
WF 0881	Catfish, Chinese longsnout <i>Leiocassis longirostris</i> Günther
WF 0882	Pangasius <i>Pangasius</i> spp.
-	Shark, iridescent see Pangasius, WF 0882 <i>Pangasianodon hypophthalmus</i> Sauvage Syn: <i>Pangasius hypophthalmus</i> Sauvage

Subgroup 040D Perches

Code No.	Commodity
WF 3713	Subgroup of Perches (includes all commodities in Subgroup 040D)
WF 0856	Black bass <i>Micropterus salmonides</i> ; <i>Micropterus</i> spp.
WF 0857	Bluegill sunfish (or Bluegill bream) <i>Lepomis macrochirus</i>
WF 0869	Cod, Murray <i>Maccullochella peelii</i> (Australia)
WF 0883	Goby, marble <i>Oxyeleotris marmorata</i> Bleeker
WF 0863	Gourami (Asia) <i>Osphronemus goramy</i> ; <i>Trichogaster pectoralis</i> ; <i>Helostoma temmincki</i>
WF 0864	Perch <i>Perca fluviatilis</i> L.; <i>P. flavescens</i> ; <i>Aspledinotus grunniens</i>
-	Perch, American yellow , see Perch, WF 0864 <i>Perca flavescens</i>
WF 0884	Perch, Chinese <i>Perca chuatsi</i> Basilewsky
WF 0885	Perch, climbing <i>Anabas testudineus</i> Bloch
-	Perch, European , see Perch, WF 0864 <i>Perca fluviatilis</i> L.
WF 0870	Perch, golden <i>Macquaria ambigua</i> (Australia)
-	Perch, white , see Perch, WF 0864 <i>Aspledinotus grunniens</i> ; syn: <i>Pomoxis annularis</i> Raf.
WF 0866	Pikeperch <i>Sander lucioperca</i> L.; syn: <i>Lucioperca sandra</i> Cuv
WF 0886	Snakehead, northern <i>Channa argus</i> Cantor
WF 0887	<i>Channa striata</i> Bloch
-	White perch , see Perch, WF 0864
-	White crappie , see Perch, WF 0864
-	Zander , see pikeperch, WF 0866

Subgroup 040E Tilapias

<u>Code No.</u>	<u>Commodity</u>
WF 3714	Subgroup of Tilapias (includes all commodities in Subgroup 040E)
WF 0868	Tilapias <i>Oreochromis mossambicus</i> ; syn: <i>Sarotherodon mossambicus</i> ; <i>Tilapia mossambicus</i> . Other <i>Oreochromis</i> (<i>Sarotherodon</i> or <i>Tilapia</i> species)
-	Tilapia, blue see Tilapia, WF 0868 <i>Oreochromis aureus</i>
-	Tilapia, Nile see Tilapia, WF 0868 <i>Oreochromis niloticus</i>
-	Mozambique tilapia , see Tilapias, WF 0868

Subgroup 040F Various other freshwater fishes

<u>Code No.</u>	<u>Commodity</u>
WF 3715	Subgroup of Various other freshwater fishes (includes all commodities in Subgroup 040F)
-	Amur pike , see Pike, WF 0865 <i>Esox reicherti</i>
WF 0888	Eel, Swamp, Asian <i>Monopterus albus</i> Zuiew
-	Northern pike , see Pikes, WF 0865 <i>Esox lucius</i> L.
WF 0889	Osbeck's grenadier anchovy <i>Coilia mystus</i> L.
WF 0902	Pirapitinga <i>Piaractus brachypomus</i> G. Cuvier
WF 0865	Pike <i>Esox lucius</i> L.; <i>E. reicherti</i>
WF 0903	Pond loach <i>Misgurnus anguillicaudatus</i> Cantor
WF 0904	Salangid Includes species belonging to the Salangidae family

Group 041 Diadromous fish**Class B**

Type 8 Aquatic animal products Group 041 Group Letter Code WD

The diadromous fishes in general migrate from the sea to brackish and/or fresh water and in the opposite direction.

The anadromous species spawn in fresh water (streams, small rivers and brooks) e.g. several salmon species, whereas eels spawn in the ocean. Some species, such as trout, are domesticated and do not migrate. they are bred in fish farms in ponds, mountain streams etc. The latter species especially may be exposed to pesticides through compounded fish feed and also through water pollution.

The fleshy parts of the animals and, to a lesser extent, roe and milt are consumed.

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity (in general after removing the digestive tract).**

Six subgroups of diadromous fish are defined:

Subgroup 041A	Atlantic Salmons
Subgroup 041B	Pacific Salmons
Subgroup 041C	Eels
Subgroup 041D	Smelts
Subgroup 041E	Trouts
Subgroup 041F	Various other diadromous fishes

Group 041 Diadromous fish

<u>Code No.</u>	<u>Commodity</u>
WD 0120	Group of diadromous fish (includes all commodities 041)
Subgroup 041A	Atlantic Salmons
Code No.	Commodity
WD 3720	Subgroup of Atlantic Salmons (includes all commodities in Subgroup 041A)
WD 0893	Salmon, Atlantic <i>Salmo salar</i> L.; syn: <i>Trutta salar</i> L.

Subgroup 041B	Pacific Salmons
Code No.	Commodity
WD 3721	Subgroup of Pacific Salmons (includes all commodities in Subgroup 041B)
-	Cherry salmon , see Salmon, Pacific, WD 0121 <i>Oncorhynchus masou</i>
-	Chinook salmon , see Salmon, Pacific, WD 0121 <i>Oncorhynchus tshawytscha</i>
-	Chum salmon , see Salmon, Pacific, WD 0121 <i>Oncorhynchus keta</i>
-	Coho salmon , see Salmon, Pacific, WD 0121 <i>Oncorhynchus kisutch</i>
-	Keta salmon , see Salmon, Pacific,, WD 0121 <i>Oncorhynchus keta</i>
-	King salmon , see Salmon, Pacific, WD 0121 <i>Oncorhynchus tshawytscha</i>
-	Medium red salmon , see Salmon, Pacific, WD 0121 <i>Oncorhynchus kisutch</i>
-	Pink salmon , see Salmon, Pacific, WD 0121 <i>Oncorhynchus gorbuscha</i>
WD 0121	Salmon, Pacific according to Codex Stan. 36 and 37, 1981, includes <i>Oncorhynchus gorbuscha</i> ; <i>O. keta</i> ; <i>O. kisutch</i> ; <i>O. masou</i> ; <i>O. nerka</i> ; <i>O. tshawytscha</i>
-	Silver salmon , see-Salmon, Pacific, WD 0121 <i>Oncorhynchus kisutch</i>
-	Sockeye salmon , see Salmon, Pacific, WD 0121 <i>Oncorhynchus nerka</i>
-	Spring salmon , see Salmon, Pacific, WD 0121 <i>Oncorhynchus tshawytscha</i>
Subgroup 041C	Eels
Code No.	Commodity
WD 3722	Subgroup of Eels (includes all commodities in Subgroup 041C)
WD 0890	Eels <i>Anguilla anguilla</i> (L.); <i>A. japonica</i> ; <i>A. rostrata</i> ; <i>A. australis</i> ; <i>A. reinhardtii</i>
-	Eel, American , see Eels, WD 0890 <i>Anguilla rostrata</i>
-	Eel, Australian , see Eels, WD 0890 <i>Anguilla australis</i> ; <i>A. reinhardtii</i>
-	Eel, European , see Eels, WD 0890 <i>Anguilla anguilla</i> L.
-	Eel, Japanese , see Eels, WD 0890 <i>Anguilla japonica</i>

Subgroup 041D	Smelts
<u>Code No.</u>	<u>Commodity</u>
WD 3723	Subgroup of Smelts (includes all commodities in Subgroup 041D)
WD 0895	Smelt <i>Osmerus eperlanus</i> L.; <i>O. mordax</i> ; other <i>Osmerus</i> spp.
-	Smelt, European , see Smelt, WD 0895 <i>Osmerus eperlanus</i> L.
WD 0899	Smelt, pond <i>Hypomesus olidus</i> Pallas
-	Smelt, rainbow , see Smelt, WD 0895 <i>Osmerus mordax</i>
Subgroup 041E	Trouts
<u>Code No.</u>	<u>Commodity</u>
WD 3724	Subgroup of Trouts (includes all commodities in Subgroup 041E)
-	Arctic char , see Trout, WD 0123
-	Brook trout , see Trout, WD 0123 <i>Salvelinus</i> sp.
-	Brown trout , see Trout, WD 0123 <i>Salmo trutta</i> L.; syn: <i>Trutta trutta</i> L.
-	Char , see Trout, WD 0123
-	Cutthroat trout , see trout, WD 0123 <i>Salmo clarki</i>
-	German trout , see Trout, WD 0123 <i>Salmo trutta</i> L.; syn: <i>Trutta trutta</i> L.
-	Lake trout , see Trout, WD 0123 <i>Salvelinus namaycush</i>
-	Rainbow trout , see Trout, WD 0123 <i>Oncorhynchus mykiss</i> Walbaum syn: <i>S. irrideus</i> Gibbons, <i>Salmo gairdneri</i> ;
WD 0123	Trout <i>Salmo clarki</i> , <i>S. gairdneri</i> ; syn: <i>S. irrideus</i> Gibbons; <i>S. trutta</i> L.; syn: <i>Trutta trutta</i> L.; <i>Salvelinus namaycush</i> ; <i>S. alpinus</i> ; <i>S. salvelinus</i> L.

Subgroup 041F	Various other diadromous fishes
Code No.	Commodity
WD 3725	Subgroup of various other diadromous fishes (includes all commodities in Subgroup 041F)
WD 0898	Barramundi <i>Lates calcarifer</i> (Australia, Indo-Pacific)
-	Giant sea perch , see Barramundi, WD 0898
WD 0891	Milkfish <i>Chanos chanos</i>
WD 0897	Nile perch <i>Lates niloticus</i>
WD 0892	Paddle fish <i>Polyodon spathula</i> ; other species of the family <i>Polyodontidae</i>
WD 0900	River lamprey, European <i>Lampetra fluviatilis</i> L.
WD 0894	Shad <i>Alosa</i> spp.; <i>Hilsa</i> spp.
-	Sturgeon, Amur see Sturgeon WD 0896
WD 0896	Sturgeon <i>Acipenser sturio</i> L.; other spp. of the family <i>Acipenseridae</i>
-	Sturgeon, Russian see Sturgeon WD 0896
WD 0901	Whitefishes <i>Coregonus</i> spp.

Group 042 Marine fish**Class B**

Type 8 **Aquatic animal products** **Group 042** **Group Letter Code WS**

The marine fishes generally live in open seas. They are all or nearly all wild species, caught and prepared (often deep-frozen) for wholesale and retail distribution. Exposure to pesticides is mainly through water pollution and animal metabolism.

Especially the fleshy parts of the animals and to a lesser extent roe and milt are consumed.

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity (in general, after removing the digestive tract).**

Seven subgroups are defined

Subgroup 042A Cod and Cod-like fishes

Subgroup 042B Flat-fishes

Subgroup 042C Mackerel and Mackerel-like fishes

Subgroup 042D Tunas and Bonitos

Subgroup 042E Herring like fishes

Subgroup 042F Sharks

Subgroup 042G Various other Marine fishes

Group 042 **Marine fish**

Code no.**Commodity**

WS 0125

Group of marine fish

(includes of all commodities in Group 042)

Subgroup 042A Cod and Cod-like fishes

<u>Code no.</u>	<u>Commodity</u>
WS 0126	Subgroup of Cod and Cod-like fishes (includes all commodities in Subgroup 042A)
-	Coalfish , see Pollack, WS 0946 <i>Pollachius virens</i> L.; syn: <i>Gadus virens</i> L.
WS 0927	Cod According to Codex Stan. 50-1981 includes <i>Gadus morhua</i> L.; syn: <i>G. callarius</i> L.; <i>G. ogac</i> Richardson; <i>G. macrocephalus</i>
-	Cod, Atlantic , see Cod, WS 0927 <i>Gadus morhua</i> L.; syn: <i>G. callarius</i> L.
-	Cod, Greenland , see Cod, WS 0927 <i>Gadus ogac</i> Richardson
-	Cod, Pacific , see Cod, WS 0927 <i>Gadus macrocephalus</i>
WS 0934	Haddock <i>Gadus aeglefinus</i> L.; syn: <i>Melanogrammus aeglefinus</i> L.
WS 0935	Hakes <i>Merlucius merlucius</i> (L.); other <i>Merlucius</i> spp.
WS 0946	Pollack <i>Polachius polachius</i> L.; syn: <i>Gadus polachius</i> L.
WS 0905	Pollack, Alaska <i>Gadus chalcogrammus</i> Pallas
WS 0954	Whiting <i>Gadus merlangus</i> L.
WS 0906	Whiting, blue <i>Micromesistius poutassou</i> A. Risso

Subgroup 042B Flat-fishes

<u>Code no.</u>	<u>Commodity</u>
WS 0127	Subgroup of Flat-fishes (includes all commodities in Subgroup 042B)
-	Brill , see Turbot, WS 0953 <i>Scophthalmus rhombus</i> (L.); syn: <i>Rhombus laevis</i> Rondelet
WS 0929	Dab or common dab <i>Limanda limanda</i> L.
WS 0932	Flounders <i>Platichthys flesus</i> (L.); syn: <i>Pleuronectes flesus</i> L.; <i>Atheresthes evermanni</i> ; <i>A. stomias</i> ; <i>Glyptocephalus cynoglossus</i> L.; <i>Limanda ferruginea</i>
WS 0907	Flounder, olive <i>Paralichthys olivaceus</i> Temminck & Schlegel
WS 0936	Halibut <i>Hippoglossus hippoglossus</i> L.; <i>H. stenolepis</i> ; <i>Reinhardtius hippoglossoides</i> Walbaum
-	Halibut, Atlantic , see Halibut, WS 0936 <i>Hippoglossus hippoglossus</i> L.
-	Halibut, Greenland , see Halibut, WS 0936 <i>Reinhardtius hippoglossoides</i> Walbaum
-	Halibut, Pacific , see Halibut, WS 0936 <i>Hippoglossus stenolepis</i>
WS 0945	Plaice <i>Pleuronectes platessa</i> L.; <i>P. quadrituberculata</i>
-	Plaice, Alaska , see Plaice WS 0945 <i>Pleuronectes quadrituberculata</i>
-	Plaice, European , see Plaice WS 0945 <i>Pleuronectes platessa</i> L.
WS 0951	Sole <i>Solea solea</i> L.; syn: <i>S. vulgaris</i> Quensel
WS 0908	Sole, tongue <i>Cynoglossus semilaevis</i> Günther
WS 0953	Turbot <i>Scophthalmus maximus</i> L.; syn: <i>Rhombus maximus</i> (L.)
-	Witch flounder , see Flounders WS 0932 <i>Glyptocephalus cynoglossus</i> L.
WS 0909	Yellowfin sole <i>Limanda aspera</i> Pallas
-	Yellowtail flounder , see Flounders, WS 0932 <i>Limanda ferruginea</i>

Subgroup 042C Mackerel and Mackerel-like fishes

Code no.	Commodity
WS 0128	Subgroup of Mackerel and Mackerel-like fishes (includes all commodities in Subgroup 042C)
-	Horse mackerel , see Jack Mackerel, WS 0938 <i>Trachurus spp.</i> ; several spp. see also Subgroup Mackerel and Jack Mackerel
-	Indian mackerel , see Mackerel, WS 0941 <i>Rastrelliger kanagurta</i> ; other <i>Rastrelliger spp.</i>
WS 0938	Jack mackerel According to Codex Stan. 119-1981 Jack Mackerel includes species of the following families and genera: <i>Carangidae</i> ; <i>Trachurus spp.</i> ; <i>Decapterus spp.</i>
WS 0939	King mackerel <i>Scomberomorus spp.</i> , including <i>S. cavalla</i> ; <i>S. comerson</i> ; <i>S. guttatus</i>
WS 0941	Mackerel According to Codex Stan. 119-1981 Mackerel includes species of the following families and genera: <i>Scombridae</i> ; <i>Scomber spp.</i> ; <i>Rastrelliger spp.</i> Such as: <i>Scomber, scombrus L.</i> ; <i>Scomber japonicus</i> ; other <i>Scomber spp.</i> ; <i>Rastrelliger kanagurta</i> ; <i>R. brachysoma</i> ; other <i>Rastrelliger spp.</i>
-	Mackerel, Atlantic , see Mackerel, WS 0941 <i>Scomber Scombrus L.</i>
-	Mackerel, Chub , see Mackerel, WS 0941 <i>Scomber japonicus</i>
-	Mackerel, Indian , see Mackerel, WS 0941 <i>Rastrelliger kanagurta</i>
-	Mackerel, short , see Mackerel, WS 0941 <i>Rastrelliger brachysoma</i>
WS 0910	Pompano <i>Trachinotus ovatus L.</i>
-	Scad , see Jack Mackerel, WS 0938 <i>Decapterus spp.</i>
-	Spanish mackerel , see King mackerel, WS 0939 <i>Scomberomorus spp.</i> ; among others <i>S. maculates</i> ; <i>Sc. Tritor</i> ; <i>Sc. niphonius</i>
-	Seerfish , see King mackerel, WS 0939 <i>Scomberomorus spp.</i>

Subgroup 042D Tunas and Bonitos

<u>Code no.</u>	<u>Commodity</u>
WS 0132	Subgroup of Tunas and Bonitos (includes all commodities in Subgroup 042D)
-	Albacore , see Tuna, WS 0952 <i>Thunnus alalunga</i> (Bonnaterre)
-	Bigeye tuna , see Tuna, WS 0952
-	Blackfin tuna , see Tuna, WS 0952
WS 0924	Bonito According to Codex Stan. 70-1981 Bonito includes: <i>Sarda sarda</i> (Bloch); <i>S. chiliensis</i> ; <i>S. orientalis</i> ; <i>S. velox</i>
-	Bonito, Atlantic , see Bonito, WS0924 <i>Sarda sarda</i> (Bloch)
-	Bonito, eastern Pacific , see Bonito, WS 0952 <i>Sarda chiliensis</i>
-	Longtail tuna , see Tuna, Longtail
-	Northern bluefin tuna , see Tuna, WS 0952 <i>Thunnus thynnus thynnus</i> L.
-	Skipjack tuna , see Tuna, Skipjack
-	Southern bluefin tuna , see Tuna, WS 0952 <i>Thunnus thynnus maccoyii</i> syn: <i>Thunnus maccoyii</i> ;
WS 0952	Tuna According to Codex Stan. 70-1981 Tuna includes: <i>Thunnus alalunga</i> (Bonnaterre); <i>Th. Albacares</i> ; <i>Th. Atlanticus</i> ; <i>Th. Obesus</i> ; <i>Th. thynnus maccoyii</i> ; <i>Th. thynnus orientalis</i> ; <i>Th. thynnus thynnus</i> L.; <i>Th. Tongoll</i> ; <i>Euthynnus affinus</i> ; <i>Eu. Alletteratus</i> ; <i>Eu. Lineatus</i> ; <i>Eu. pelamis</i> L.; syn: <i>Katsuwonus pelumis</i> L.
-	Tuna, bigeye , see Tuna, WS 0952 <i>Thunnus obesus</i>
-	Tuna, blackfin , see Tuna, WS 0952 <i>Thunnus atlanticus</i>
-	Tuna, bluefin , see Tuna, WS 0952 <i>Thunnus thynnus</i> L.; <i>Th. Maccoyii</i>
WS0911	Tuna, bullet <i>Auxis rochei</i> Risso
-	Tuna, longtail , see Tuna, WS 0952 <i>Thunnus Tongoll</i>
-	Tuna, skipjack , see Tuna, WS 0952 <i>Euthynnus pelamis</i> L.; syn: <i>Katsuwonis pelamis</i> L.
-	Tuna, yellowfin , see Tuna, WS 0952 <i>Thunnus albacares</i>
-	Yellowfin tuna , see Tuna, WS 0952

Subgroup 042E Herring like fishes

Code no.	Commodity
WS 0129	Subgroup of herring like fishes (includes all commodities in this subgroup)
WS 0920	Anchovies <i>Engraulis encrasicolus</i> (L.); <i>E. japonicus</i> ; <i>E. mordax</i> ; <i>E. capensis</i> For Argentine anchovy and Peruvian anchovy see Sardines and Sardine-type fishes, WS 0130
-	European sardine , see Sardines and Sardine type fishes <i>Sardina pilchardus</i> (Walbaum) WS 0130
WS 0937	Herring <i>Clupea harengus</i> L.; <i>C. pallasii</i> ; other <i>Clupea</i> spp. N.B. For small fishes of these species see also Sardines and Sardine-type fishes
-	Herring, Atlantic , see Herring WS 0937 <i>Clupea harengus</i> L.
-	Herring, Pacific , see Herring WS 0937 <i>Clupea pallasii</i>
WS 0942	Menhaden <i>Brevoortia</i> spp.
-	Oil sardine , see Sardines and Sardine type fishes, WS 0130 <i>Sardinella</i> spp.
-	Sardinella see-Sardines and Sardine-type fishes, WS 0130 <i>Sardinella</i> spp
WS 0130	Sardines and Sardine-type fishes According to Codex Stan. 94-1981 small fishes of the following species: <i>Sardina pilchardus</i> (Walbaum) (European Sardine); <i>Sardinops melanosticta</i> ; <i>S. neopilchardus</i> ; <i>S. ocellata</i> ; <i>S. sagax</i> ; <i>S. caerulea</i> (Pilchards); <i>Sardinella aurita</i> Valenciennes; syn: <i>S. anchovia</i> ; <i>S. brasiliensis</i> ; <i>S. maderensis</i> (Sardinella's or oil-sardines); <i>Clupea harengus</i> L. (Atlantic herring, small fishes); <i>Clupea antipodum</i> ; <i>C. bassensus</i> ; <i>C. fuengensis</i> ; <i>Sprattus sprattus phalericus</i> (Risso), Syn: <i>Clupea sprattus</i> L. (Sprat); <i>Hyperlophus vittatus</i> ; <i>Nematolosa vlaminghi</i> ; <i>Etrumeus microps</i> ; <i>Ethmidium maculatus</i> ; <i>Engraulis achoita</i> (Argentine anchovy); <i>E. ringens</i> (Peruvian anchovy)
-	Sardine, European see-Sardines and Sardine-type fishes, WS 0130 <i>Sardina pilchardus</i> Walbaum

Subgroup 042F Sharks

<u>Code no.</u>	<u>Commodity</u>
WS 3726	Subgroup of sharks (includes all commodities in this subgroup)
-	Liveroil shark , see Sharks, WS 0131 <i>Galeorhinus galeus</i> L.; other <i>Galeorhinus</i> spp.
-	Porbeagle , see Sharks, WS 0131 <i>Lamna nasus</i> (Bonaterre)
WS 0948	Rays Spp. of the family <i>Rajidae</i>
-	Requiem shark , see Sharks, WS 0131 spp. of the family <i>Carcharinidae</i> of the Order of <i>Selachii</i>
WS 0131	Sharks Includes: <i>Mustelus</i> spp., <i>Squalis</i> spp., <i>Lamna nasus</i> (Bonaterre), <i>Galeorhinus</i> spp., and <i>Carcharinidae</i> spp.
-	Shark, blue , see Sharks, WS 0131 <i>Prionace glauca</i> L.
-	Smooth hounds , see Sharks, WS 0131 <i>Mustelus</i> spp.
-	Spiny dogfish , see Sharks, WS 0131 <i>Squalis acanthias</i> L.; other <i>Squalis</i> spp.

Subgroup 042G Various other Marine fishes

Code no.	Commodity
WS 3727	Subgroup of various other marine fishes (includes all commodities in this subgroup)
WS 0912	Amberjack, Yellowtail <i>Seriola lalandi</i> Valenciennes
WS 0913	Alfonsinos <i>Beryx</i> spp.
WS 0921	Barracudas <i>Sphyraena</i> spp.
WS 0922	Bluefish <i>Pomatomus saltatrix</i>
WS 0923	Bogue <i>Boops boops</i> (L.); syn: <i>Box boops</i> Bonaparte
WS 0914	Bream, gilt-head <i>Sparus aurata</i> L.
WS 0915	Bream, golden threadfin <i>Nemipterus virgatus</i> Houttuyn
WS 0956	Bream, silver <i>Acanthopagrus australis</i> (Australia)
WS 0916	Bream, threadfin
WS 0925	Butterfish Species of the family <i>Stromateidae</i>
WS 0926	Capelin <i>Mallotus villosus</i> Müller
WS 0917	Catfish, Ariid <i>Ariidae</i> family
-	Catfish, Sea , see Wolffish
WS 0918	Cobia <i>Rachycentron canadum</i> L.
WS 0928	Conger or Conger eel <i>Conger conger</i> (L.); <i>C. oceanicus</i> ; <i>C. orbignyanus</i> ; <i>Astroconger myriaster</i>
-	Conger, European , see Conger <i>Conger conger</i> (L.); syn: <i>C. vulgaris</i> Cuv.
-	Croaker, baby , See Drums, WS 0931 <i>Collichthys niveatus</i> Jordan & Starks
-	Croaker, big head See Drums, WS 0931 <i>Collichthys lucidus</i> Richardson
-	Croaker, yellow See Drums, WS 0931 <i>Larimichthys crocea</i> Richardson
-	Croaker, Mi-iuy , See Drums, WS 0931 <i>Miichthys miiuy</i> Basilewsky

WS 0919	Cusk <i>Brosme brosme</i> Ascanius
WS 0958	Cusk-eels <i>Ophidiidae</i> family
WS 0959	Cutlassfishes <i>Trichiuridae</i> family
WS 0960	Dentex Dentex spp.
WS 0930	Dolphinfish <i>Coryphaena hippurus</i> L.
-	Dorado , see Dolphinfish WS 0930
WS 0961	Dories, true <i>Zeidae</i> family
WS 0931	Drums Species of the family <i>Sciaenidae</i>
WS 0962	Elongate ilisha <i>Ilisha elongate</i> Bennett
WS 0933	Garfish <i>Belone belone</i> (L.); syn: <i>B. acus</i> Risso
WS 0963	Groupers <i>Epinephelus</i> spp.
WS 0940	Ling <i>Molva molva</i> L.; <i>M. byrkelange</i> Walbaum; syn: <i>M. dipterygia</i> ; <i>M. elongata</i> Otto
-	Maigre, spotted , See Drums, WS 0931 <i>Nibea albiflora</i> Richardson
WS 0964	Monkfishes <i>Lophius</i> spp.
WS 0943	Mullets (among others Mullet, red; Mullet, striped) <i>Mugil cephalus</i> <i>Mullus surmeletus</i> L.; other spp of the family <i>Mugilidae</i>
WS 0965	Norway pout <i>Trisopterus esmarkii</i> Nilsson
WS 0944	Ocean perch According to Codex Stan. 51-1981 includes <i>Sebastes marinus</i> L.; <i>S. mentella</i> ; <i>S. viviparus</i> Kroyer; <i>S. alutus</i> ; <i>Scorpaena dactyloptera</i> Delaroche; <i>Helicolenus maculatus</i>
WS 0947	Pomfret, Atlantic <i>Brama brama</i> ; syn: <i>B. raii</i> Bloch

WS 0966	Rabbit fish <i>Siganus argenteus</i> Quoy & Gaimard
WS 0967	Rockfish, Korean <i>Sebastes schlegelii</i> Hilgendorf
-	Salema , see Boque WS 0923 <i>Boops salpa</i> (L.); syn: <i>Sarpa salpa</i> L.
WS 0968	Salmon, Australian <i>Arripis trutta</i> Forster
WS 0957	Salmon, threadfin <i>Polydactylus sheridani</i> (Australia)
WS 0969	Salmon-bass <i>Argyrosomus regius</i> Asso
WS 0980	Saury <i>Cololabis adocetus</i> Böhlke
WS 0981	Saury, Pacific <i>Cololabis saira</i> Brevoort
WS 0982	Scraper, black Species belonging to the genus <i>Thamnaconus</i>
WS 0983	Sandlace, Pacific <i>Ammodytes personatus</i> Girard
WS 0984	Seabream, black <i>Spondyliosoma cantharus</i> L.
WS 0985	Seabream, red <i>Pagrus major</i> Temminck & Schlegel
WS 0986	Snapper, crimson <i>Lutjanus erythropterus</i> Bloch
WS 0987	Tilefish <i>Branchiostegus argentatus</i> Cuvier
WS 0988	Toothfish <i>Dissostichus</i> spp
WS 0989	Yellowtail kingfish <i>Seriola lalandi</i> Valenciennes
WS 0994	Snappers <i>Lutjanus</i> spp.
-	Scorpion fishes , see Ocean Perch, WS 0944 <i>Scorpaena dactyloptera</i> Delaroche; syn: <i>Helicolenus dactylopterus</i> (Delaroche) other spp. of the family <i>Scorpaenidae</i>
WS 0949	Sea bass <i>Morone labrax</i> L; syn: <i>Dicentrarchus labrax</i> (L.); <i>M. saxatilis</i> ; other <i>Morone</i> spp.
WS 0950	Sea bream <i>Pagellus centrodontus</i> (Delaroche); <i>P. erythrinus</i> (L.); other <i>Pagellus</i> spp.
-	Sea catfish , see Wolffish, WS 0955 <i>Anarichas</i> spp.

WS 0995	Swordfish <i>Xiphias gladius</i> L.
-	Tailor (Australia) , see Bluefish, WS 0922
WS 0996	Threadfins <i>Polynemidae</i> (family)
WS 0955	Wolffish <i>Anarhichas lupus</i> L.; <i>A. minor</i> Olafsson
WS 0997	Yellow croaker <i>Larimichthys polyactis</i> Bleeker

Fish roe (including milt = soft roe) and edible offal of fish**Class B****Type 8 Aquatic animal products Group 043****Group Letter Code WR for the roe****Group Letter Code WL for liver and other edible fish offal**

Fish roes are the edible reproductive bodies of several species of fish. Of some of these only the "hard roe", the female reproductive body, is used whereas both the "hard" and "soft" roe (milt) of other species is marketed.

The term roe used in the commodity description includes if relevant both types of roe.

The liver of some species is used as such for human consumption or for production of liver oils (e.g. cod liver oil).

Exposure to pesticides is through animal metabolism.

Portion of the commodity to which the MRL applies (and which is analysed): Whole commodity.

See for scientific species or family names and subgroup description Group 040-042. The relevant group is indicated after the commodity name with (f) freshwater fishes, (d) diadromous fishes and (m) marine fishes.

Group 043 is divided in two subgroups:

Subgroup 043A Fish roe (including milt= soft roe)

Subgroup 043B Edible offal of fish

Group 043 Fish roe (including milt = soft roe) and edible offal of fish

<u>Code No.</u>	<u>Commodity</u>
WR 0140	Group of Fish roe (including milt= soft roe) and edible offal of fish (includes all commodities in Group 043)

Subgroup 043A Fish roe (including milt= soft roe)

<u>Code No.</u>	<u>Commodity</u>
WR 3730	Subgroup of Fish roe (including milt= soft roe) (includes all commodities in Subgroup 043A)
WR 0121	Salmon roe, Pacific (d)
WR 0922	Bluefish, roe (m)
WR 0927	Cod, roe (m)
WR 0930	Dolphinfish, roe (m)
WR 0932	Flounder, roe (m)
WR 0937	Herring, roe (m)
WR 0941	Mackerel, roe (m)
WR 0943	Mullet, roe (m)
WR 0893	Salmon roe, Atlantic (d)
WR 0894	Shad, roe (d)
WR 0896	Sturgeon, roe (d)

wSubgroup 043B Edible offal of fish

<u>Code No.</u>	<u>Commodity</u>
WL 3731	Subgroup of edible offal of fish (includes all commodities in Subgroup 043B)
WL 0927	Cod, liver (m)
WL 1310	Fish, skin
WL 1311	Fish, swim bladder
WL 0131	Shark, liver (m)

Marine mammals**Class B**

Type 8 Aquatic animal products Group 044 Group Letter Code WM

The muscle and other product originating from various species of marine mammals are still consumed in some areas of the world. However, by a majority of countries around the world, the hunting of sea mammals is considered controversial and a ban on commercial whaling is recognized.

Exposure to pesticides is by consumption of contaminated prey or through water pollution.

The entire commodity except the bones and other inedible parts may be consumed.

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity as marketed, without bones. For fat-soluble pesticides a portion of the fat is analysed and MRLs apply to the fat.**

Two subgroups are defined:

Subgroup 044A Marine mammalian muscle

Subgroup 044B Fat of marine mammals, unprocessed

Group 044 Marine mammalian products

<u>Code No.</u>	<u>Commodity</u>
WM 0141	Group of Marine mammalian products (includes all commodities in Group 044)

Subgroup 044A Marine mammalian muscle

<u>Code No.</u>	<u>Commodity</u>
WM 3740	Subgroup of Marine mammalian muscle (includes all commodities in Subgroup 044A)
WM 0970	Dolphins, muscle spp. of the family <i>Dolphinidae</i>
-	Dolphin, bottlenose, muscle , see Dolphins,, WM 0970 <i>Tursiops truncatus</i> (Mont.)
-	Dolphin, humpback, muscle , see Dolphins, WM 0970
-	Dolphin, spinner, muscle , see Dolphins, WM 0970 <i>Stenella longirostris</i>
-	Porpoise, muscle , see Whales, WM 0972 <i>Phocaena phocaena</i>
-	Sea-lions, muscle , see Seals, WM 0971 <i>Otaria</i> spp.; <i>Eumetopius</i> spp.; <i>Zalophus</i> spp. (all Pacific Ocean)
WM 0971	Seals, muscle spp. of the families <i>Otariidae</i> , <i>Phocidae</i> and <i>Trichechidae</i> . syn: <i>Odobenidae</i>
-	Seal, common, muscle , see Seals, WM 0971 <i>Phoca vitulina</i>
-	Seals, eared, muscle , see Seals, WM 0971 <i>Otariidae</i> spp.
-	Seals, earless, muscle , see Seals, WM 0971 <i>Phocidae</i> spp.
-	Seals, fur, muscle , see Seals, WM 0971 <i>Arctocephalus pusillus</i> (South Africa); <i>A. australis</i> (South America, Australia); <i>Callorhinus ursinus</i> (North Atlantic)

- **Seal, grey, muscle**, see Seals, WM 0971
Halichoerus grypus (North Atlantic)
- **Seal, harp, muscle**, see Seals WM 0971
Pagophilus groenlandicus (North Atlantic)
- **Seal, hooded, muscle**, see Seals, WM 0971
Cystophora cristata (North Atlantic)
- **Seal, ringed, muscle**, see Seals, WM 0971
Phoca hispida (North Atlantic)
- WM 0972 **Whales, muscle**
spp. of the zoological order of the *Cetacae*
- **Whales, Baleen, muscle**, see Whales WM 0972
spp. of the family *Balaenopteridae* (Sub-order *Mystacoceti*)
- **Whale, blue, muscle**, see Whales, WM 0972
Balaenoptera musculus
- **Whale, false killer, muscle**, see Whales, WM 0972
Pseudorca crassidens
- **Whale, fin, muscle**, see Whales, WM 0972
Balaenoptera physalus
- **Whale, humpback, muscle**, see whales, WM 0972
Megaptera novaeangliae
- **Whale, killer, muscle**, see Whales, WM 0972
Orcinus orca
- **Whale, Minke, muscle**, see Whales, WM 0972
Balaenoptera acutorostrata
- **Whale, Sei, muscle**, see Whales, WM 0972
Balaenoptera borealis
- **Whale, short-finned pilot, muscle**, see Whales, WM 0972
Globicephala macrorhynchus
- **Whale, sperm, muscle**, see Whales, WM 0972
Physeter catodon
- **Whales, toothed, muscle**, see Whales, WM 0972
spp. of the families *Physeteridae*, *Ziphiidae* and *Orcinus orca* (family *Delphinidae*)

Subgroup 044B Fat of marine mammals

<u>Code No.</u>	<u>Commodity</u>
WM 3741	Subgroup of fat of marine mammals, unprocessed (includes all commodities in Subgroup 044B)
WM 1312	Dolphins, fat, unprocessed
WM 1313	Seals, fat, unprocessed
WM 1314	Whales, fat, unprocessed

Crustaceans**Class B****Type 8 Aquatic animal products Group 045 Group Letter Code WC**

Crustaceans are aquatic animals of various species, wild or cultivated, which have an inedible chitinous outer shell.

A small number of species live in fresh water, but most of species live in brackish water and/or in the sea.

Exposure to pesticides is through animal metabolism or water pollution.

Crustaceans are prepared for wholesale or retail distribution at a "raw" stage, often still live, "raw" and deep-frozen, or cooked directly after catching and deep-frozen. Shrimps or prawns may also be parboiled and thereafter deep-frozen.

Although the cooked or parboiled crustaceans should be regarded as processed foods, the animals of this group are primarily classified in the Chapter on Primary food commodities, type 8: Aquatic animal products, since several crustaceans are also marketed in a "raw" form, i.e. not exposed to temperatures sufficiently high to coagulate the protein at the surface. A short reference to processed Crustaceans is given at type 17: Derived edible products of animal origin, Group 084 Crustaceans, processed.

The entire commodity except the shell may be consumed: the "raw" commodities, in general, after cooking.

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity (especially with the small sized species) or the meat without the outer shell, as prepared for wholesale and retail distribution.**

Group 045 Crustaceans

<u>Code No.</u>	<u>Commodity</u>
WC 0143	Group of Crustaceans (includes all commodities of Group 045)
WC 0973	Barnacles <i>Cirripedia</i> subclass
WC 0146	Crabs According to Codex Stan. 90-1981 edible species of the sub-order <i>Brachyura</i> of the order of the <i>Decapoda</i> and the species of the family <i>Lithodidae</i> (= King Crabs), <i>Scylla</i> spp. (Mud Crabs)
--	Freshwater crabs , see crabs, WO 0146 Sub-order <i>Brachyura</i>
-	Crab, Chinese mitten , see crabs, WO 0146 <i>Eriocheir sinensis</i> Milne-Edwards
-	Crab, blue , see crabs, WO 0146 <i>Callinectes sapidus</i> Rathbun
-	Crab, edible , see crabs, WO 0146 <i>Cancer pagurus</i> L.
-	Crab, tanner , see crabs, WO 0146 <i>Chionoecetes</i> spp.
-	Crab, mud , see crabs, WO 0146 <i>Scylla</i> spp.
-	Crab, red King , see crabs WO 0146 <i>Paralithodes camtschaticus</i> Tilesius
-	Crab, swimming , see crabs WO 0146 Species belong to the <i>Portunidae</i> family
WC 0976	Freshwater crayfishes <i>Astacus</i> spp. (Europe); <i>Procambarus</i> spp. (USA); <i>Eustacus</i> spp. (Australia)

- WC 0144 **Freshwater crustaceans**
 Astacus spp. (Europe),
 Procambarus spp. (USA);
 Macrobrachium spp. (Asia, Australia, South and Middle America);
 species of the family *Palaemonidae*
- WC 0977 **Freshwater shrimps or prawns, see note 2**
 Palaemon spp.; *Macrobrachium* spp.; *Cherax* spp.
- **Langouste, see Spiny Lobster**
- WC 0978 **Lobsters**
 According to Codex Stan. 95-1981 include
 Homarus spp., family of *Nephropsidae* and spp. of the families *Palinuridae* and *Scyllaridae*,
 i.e., Spiny lobsters and Slipper lobsters
- **Lobster, American, see Lobsters, WC 0978**
 Homarus americanus
- **Lobster, European, see Lobsters, WC 0978**
 Homarus gammarus L.;
 syn: *Cancer gammarus* L.
- **Lobster, Norway, see Lobsters, WC 0978**
 Nephrops norvegicus L.;
 syn: *Cancer norvegicus* L. see also note 1
- WC 0145 **Marine crustaceans**
 All species mentioned in this group, except those recorded as Freshwater Crustaceans
- **Prawns, see Shrimps or Prawns, WC 0979**
- **Prawn, banana, see Shrimps or Prawns, WC 0979**
 Penaeus merguensis (Australia, Indo-Pacific)
- **Prawn, brown tiger, see Shrimps or Prawns, WC 0979**
 Penaeus esculentus (Australia)
- **Prawn, caramote, see Shrimps or Prawns, WC 0979**
 Penaeus kerathurus Forskal (Mediterranean)
- **Prawn, Chinese, see Shrimps or Prawns, WC 0979**
 Fenneropenaeus chinensis Osbeck
- **Prawn, common, see Shrimps or Prawns, WC 0979**
 Palaemon serratus Pennant (Europe, Mediterranean)
- **Prawn, eastern king, see Shrimps or Prawns, WC 0979**
 Penaeus plebejus (Australia, Indo-Pacific)
- **Prawn, endeavour, see Shrimps or Prawns, WC 0979**
 Penaeus endeavouri (Australia)
- **Prawn, giant tiger, see Shrimps or Prawns, WC 0979**
 Penaeus monodon (Australia, Indo-Pacific)
- **Prawn, green tiger, see Shrimps or Prawns, WC 0979**
 Penaeus semisulcatus (Indo-Pacific)
- **Prawn, Japanese king, see Shrimps or Prawns, WC 0979**
 Penaeus japonicus (Asia)
- **Prawn, Kuruma, see Shrimps or Prawns, WC 0979**
- **Prawn, northern, see Shrimps or Prawns, WC 0979**
 Penaeus borealis (Northern Atlantic)

- **Prawn, Oriental**, see Shrimps or Prawns, WC 0979
Exopalaemon carinicauda Holthuis
 - **Prawn, western king**, see Shrimps or Prawns, WC 0979
Penaeus latisulcatus (Australia, Indo-Pacific)
 - **Rock lobster**, see Lobsters, WC 0978
Jasus spp. (family *Palinuridae*)
 - WC 0979 **Shrimps or Prawns**, see note 2
According to Codex Stan. 37-1981 and 92-1981 include spp. of the families *Crangonidae*
Palaemonidae, see note 3, *Pandalidae* and *Penaidae*
 - **Shrimp, common**, see Shrimps or Prawns, WC 0979
Crangon crangon L.;
syn: *C. vulgaris* Fabr. (Europe, Mediterranean)
 - **Shrimp, deepwater rose**, see Shrimps or Prawns,, WC 0979
Parapenaeus longirostris Lucas (Atlantic)
 - WS 0974 **Shrimp, mantis**
Species belonging to the order of Stomatopoda
 - **Shrimp, Metapenaeus**, see Shrimps or Prawns, WC 0979
Metapenaeus spp.
 - **Shrimp, northern brown**, see Shrimps or Prawns, WC 0979
Penaeus aztecus (USA)
 - **Shrimp, northern pink**, see Shrimps or Prawns, WC 0979
Penaeus notialis;
syn: *P. duorarum* (USA, West Africa)
 - **Shrimp, northern white**, see Shrimps or Prawns, WC 0979
Penaeus sertiferus (USA)
 - **Shrimp, white**, see Shrimps or Prawns, WC 0979
Penaeus vannamei Boone
 - **Slipper lobster**, see Lobsters, WC 0978
spp. of the family *Scyllaridae*
 - **Spiny lobster**, see Lobsters, WC 0978
Palinurus vulgaris Latreille, other *Palinurus* spp.
 - WC 0975 **Squat lobster**
Cervimunida spp.
- Note 1:** In some countries, species such as the Norway lobster (*Nephrops norvegicus* L.) are included in the commodity "Prawns" with some qualifying designation, such as Dublin Bay Prawn or Prawn of Bantry Bay (both Ireland). The Codex Stan. 92-1981 on Quick Frozen Shrimps and Prawns does not prevent this practice, provided that the designation on the label ensures that the consumer will not be misled.
- Note 2:** There is no clear-cut distinction between Shrimps and Prawns. In several countries the commodity name Shrimps is used for the small species whereas the slightly larger ones are called Prawns. However, a species marked in certain regions of the world as "Prawn" may be called in the local English language in other areas a shrimp and visa versa, e.g., *Pandalus borcalis* is called Northern prawn or Deepwater prawn in the United Kingdom and the same species is named Pink shrimp in Canada. In Australia only the name Prawn is used for animals included in this commodity.
- Note 3:** Not including the freshwater species of the *Palaemonidae*.

TYPE 9 AMPHIBIANS AND REPTILES**Frogs, lizards, snakes and turtles****Class B****Type 9 Amphibians and reptiles Group 046 Group Letter Code AR**

Frog, lizard, snake, crocodile and turtle products are the edible parts from various animal species of the zoological classes Amphibia and Reptilia, usually wild, harvested for food. Some frog species are cultivated in a few European and Asian countries and to a small extent in the USA and marked in the form of deep-frozen frog legs. The wild species are marketed in the same manner.

A few turtle species are raised from eggs or hatchlings in some tropical countries, especially the Green Turtle.

Exposure to pesticides is through animal metabolism.

The entire product, except the bones and the bony or horny outer shell (turtles), may be consumed.

Portion of the commodity to which the MRL applies (and which is analysed): Whole commodity as marketed without bones or the outer shell.

Five subgroups are defined

Subgroup 046A Crocodiles

Subgroup 046B Frogs

Subgroup 046C Lizards

Subgroup 046D Snakes

Subgroup 046E Turtles

Group 046 Amphibians and reptiles

<u>Code No.</u>	<u>Commodity</u>
AR 0148	Group of Amphibians and reptiles (includes all commodities in Group 046)

Subgroup 046A Crocodiles

<u>Code No.</u>	<u>Commodity</u>
AR 0989	Subgroup of Crocodiles (includes all commodities in Subgroup 046A) <i>Crocodylus</i> spp.

Subgroup 046B Frogs

<u>Code No.</u>	<u>Commodity</u>
AR 0990	Subgroup of Frogs (includes all commodities in Subgroup 046B) <i>Rana</i> spp.; especially <i>Rana catesbeiana</i> ; <i>R. esculenta</i> L.; <i>R. dactyla</i> Lesson; <i>R. ridibunda</i> Pall.; <i>R. tigrina</i> other spp. of the family <i>Ranidae</i>
-	Bullfrog , see Subgroup of Frogs, AR 0990 <i>Rana catesbeiana</i> ; <i>R. tigrina</i>
-	Bullfrog, Indian , see Subgroup of Frogs, AR 0990 <i>Rana tigrina</i>
-	Frog, agile , see Subgroup of Frogs, AR 0990 <i>Rana dalmatina</i> Bonap.
-	Frog, common , see Subgroup of Frogs, AR 0990 <i>Rana temporaria</i> L.
-	Frog, edible , see Subgroup of Frogs, AR 0990 <i>Rana esculenta</i> L.
-	Frog, marsh , see Subgroup of Frogs, AR 0990 <i>Rana ridibunda</i> Pall.
-	Frog, pool , see Subgroup of Frogs, AR 0990 <i>Rana lessonae</i> Camer

Subgroup 046C Lizards

<u>Code No.</u>	<u>Commodity</u>
AR 0991	Subgroup of Lizards (includes all commodities in Subgroup 046C) Species of the zoological suborder <i>Lacertilia</i>

Subgroup 046D Snakes

<u>Code No.</u>	<u>Commodity</u>
AR 0992	Subgroup of Snakes (includes all commodities in Subgroup 046D) Several spp. of the zoological clade <i>Ophidia</i>

Subgroup 046E Turtles

<u>Code No.</u>	<u>Commodity</u>
AR 0993	Subgroup of Turtles (includes all commodities in Subgroup 046E) Species of the zoological clade <i>Testudines</i>
-	Turtle, green , see Subgroup of Turtles, AR 0993 <i>Chelone midas</i> L.; syn: <i>Ch. viridis</i> Schneid.
-	Turtle, hawksbill , see Subgroup of Turtles, AR 0993 <i>Eretmochelys imbricata</i>
-	Turtle, loggerhead , see Subgroup of Turtles, AR 0993 <i>Caretta caretta</i> L.; syn: <i>Thalassochelys caretta</i> L.
-	Turtle, soft-shelled , see Subgroup of Turtles, AR 0993 <i>Pelodiscus sinensis</i> Wiegmann

TYPE 10 INVERTEBRATE ANIMALS

Invertebrate animals are cold-blooded animals without a vertebral column, or spine. Invertebrate animals can live on land or in water.

Molluscs and various other invertebrate animals**Class B****Type 10 Invertebrate animals Group 047 Group Letter Code IM**

Molluscs are aquatic or land animals of various species, wild or cultivated, which have an inedible outer or inner shell. The edible aquatic Molluscs live mainly in brackish water or in the sea; several species are cultivated. A few edible species of land snails are cultivated.

Exposure to pesticides is through animal metabolism: the aquatic species also through water contamination.

The entire commodity except the outer or inner shell may be consumed.

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity after removal of shell.**

Four subgroups are defined:

Subgroup 047A	Bivalves
Subgroup 047B	Cephalopods
Subgroup 047C	Sea and freshwater snails
Subgroup 047D	Snails and slugs
Subgroup 047E	Various other invertebrate animals

Group 047 Molluscs and various other invertebrate animals

<u>Code No.</u>	<u>Commodity</u>
IM 0150	Group of Molluscs and various other invertebrate animals (includes all commodities in Group 047)

Subgroup 047A Bivalves

<u>Code No.</u>	<u>Commodity</u>
IM 0151	Subgroup of bivalves (includes all commodities in Subgroup 047A)
IM 1000	Clams Species of the families <i>Arcidae; Mactridae; Veneridae</i>
-	Clam, ark, see Clams IM 1000 Species of the <i>Arcidae</i> family
IM 1011	Clam, razor <i>Solen marginatus</i> T. Pennant
IM 1001	Cockles <i>Cardium edule</i> L.; other <i>Cardium</i> spp.
-	Cockle, common, see Cockles IM 1001 <i>Cardium edule</i> L
IM 1012	Geoduck, Pacific <i>Panopea generosa</i> Gould
IM 1003	Mussels <i>Mytilus edulis</i> L. (Europe); <i>M. galloprovincialis</i> Lam. (Mediterranean); <i>M. smaragdinus</i> (Asia); other <i>Mytilus</i> spp.
IM 1013	Mussels, freshwater Species belonging to the <i>Unionidae</i> family

- IM 1004 **Oysters (including Cupped oysters)**
 Ostrea edulis L.; other *Ostrea* spp.; *Crassostrea angulata* Lam.;
 syn: *Gryphaea angulata* Lam.; *Crassostrea gigas*;
 C. virginica; other *Crassostrea* spp.
- **Oyster, American cupped**, see Oysters IM 1004
 Crassostrea virginica (American)
- **Oyster, European**, see Oysters IM 1004
 Ostrea edulis L.
- **Oyster, Pacific cupped**, see Oysters IM 1004
 Crassostrea gigas (Asia, Canada)
- **Oyster, Portuguese cupped**, see Oysters IM 1004
 Crassostrea angulata Lam.;
 syn: *Gryphaea angulata* Lam. (S.W. Europe)
- **Oyster, Sydney rock**, see Oysters (including Cupped Oysters) IM 1004
 Crassostrea commercialis (Australia)
- IM 1005 **Scallops**
 Pecten spp.; *Placopecten* spp.;
 Argopecten sp.
- **Scallop, Australian**, see Scallops IM 1005
 Pecten meridionalis (Australia)
- **Scallop, bay**, see Scallops IM 1005
 Argopecten irradians (N. America)
- **Scallop, giant pacific**, see Scallops IM 1005
 Pecten caurinus (America)
- **Scallop, great**, see Scallops IM 1005
 Pecten maximus (L.) (W. Europe, Mediterranean)
- **Scallop, New Zealand**, see Scallops IM 1005
 Pecten novaezealandiae (New Zealand)
- **Scallop, Sea**, see Scallops IM 1005
- **Scallop, queen**, see Scallops IM 1005
 Pecten opercularis (L.);
 syn: *Chlamys opercularis* L. (W. Europe)
- **Scallop, sea**, see Scallops IM 1005
 Placopecten magellanicus (N. America)

Subgroup 047B Cephalopods

<u>Code No.</u>	<u>Commodity</u>
IM 0152	Subgroup of Cephalopods (includes all commodities in Subgroup 047B)
IM 1002	Cuttlefishes <i>Sepia officinalis</i> L.; <i>S. elegans</i> d'Orbigny; other <i>Sepia</i> spp.; <i>Sepiolo atlantica</i> d'Orbigny; <i>S. rondeleti</i> Leach
-	Cuttlefish, common , see Cuttlefishes IM 1002 <i>Sepia officinalis</i> L.
-	Little cuttle , see Cuttlefishes IM 1002 <i>Sepiolo atlantica</i> d'Orbigny; <i>S. rondeleti</i> Leach
IM 1014	Octopuses <i>Octopus vulgaris</i> Lam.; <i>Eledone cirrhosa</i> Lam.; <i>E. moschata</i> Lam.
-	Octopus, common , see Octopuses IM 1014 <i>Octopus vulgaris</i> Lam.
-	Octopus, curled , see Octopuses IM 1014 <i>Eledone cirrhosa</i> Lam.
-	Octopus, musky , see Octopuses IM 1014 <i>Eledone moschata</i> Lam.
IM 1008	Squids <i>Loligo forbesi</i> Steensrup; <i>L. vulgaris</i> Lam.; other <i>Loligo</i> spp. <i>Allotheuthis subulata</i> lam; <i>Ommastrephes sagittatus</i> Lam.; syn: <i>Todarodes sagittatus</i> Lam.; <i>T. pacificus</i> ; <i>Illex illecebrosus</i> , other <i>Illex</i> spp.
IM 1009	Squid, common , see Squids IM 1008 <i>Loligo forbesi</i> Steenstrup
-	Squid, European flying , see Squids IM 1008 <i>Ommastrephes sagittatus</i> Lam.; syn: <i>Todarodes sagittatus</i> Lam. (Europe)
-	Squid, Japanese flying , see Squids IM 1008 <i>Todarodes pacificus</i> (Asia)
-	Squid, short-finned , see Squids IM 1008 <i>Illex illecebrosus</i>

Subgroup 047C Sea and freshwater snails

<u>Code No.</u>	<u>Commodity</u>
IM 0153	Subgroup of Sea and freshwater snails (includes all commodities in Subgroup 047C)
IM 1015	Abalone <i>Haliotis spp</i>
IM 1016	Channeled whelk <i>Busycon canaliculatum</i> L.
IM 1017	Chinese mystery snail <i>Cipangopaludina chinensis</i> Gray
IM 1018	Commercial top shell <i>Rochia nilotica</i> L.
IM 1019	Limpets <i>Patellidae</i> family
IM 1020	Wavy turban <i>Turbo fluctuosus</i> Wood

Subgroup 047D Snails and slugs

<u>Code No.</u>	<u>Commodity</u>
IM 0154	Subgroup of Snails and slugs (includes all commodities in Subgroup 047D)
-	Giant snail , see Snails, edible (Africa, Asia) IM 1007 <i>Achatina fulica</i> fer.; <i>A. achatina</i> ; <i>Archachatina</i> spp.
IM 1007	Snails, edible <i>Helix</i> spp.; <i>Achatina</i> spp.
-	Snail, garden , see Snails, edible IM 1007 <i>Helix aspersa</i> Müller
-	Snail, giant , see Snails, edible IM 1007 <i>Achatina fulica</i> Fer.; <i>A. achatina</i>
-	Snail, Roman , see Snails, edible IM 1007 <i>Helix pomatia</i> L.

Subgroup 047E Various other invertebrate animals

<u>Code No.</u>	<u>Commodity</u>
IM 0155	Subgroup of Various other invertebrate animals (includes all commodities in Subgroup 047E)
-	Beche-de-mer , see Sea-cucumbers IM 1010
IM 1021	Earthworms <i>Eisenia fetida</i> Savigny
IM 1010	Sea-cucumbers species of the zoological Order of the <i>Holothuroidea</i>
IM 1006	Sea urchins Species of the zoological Order of the <i>Echinoidea</i>
IM 1022	Squirts, Sea <i>Ascidacea</i> class species

Insects and spiders**Class B****Type 10****Invertebrate animals Group 048****Group Letter Code IN**

Insects are wild-harvested, semi-domesticated or farmed. Several stages of the insects and spiders can be consumed: eggs, caterpillars, puppets and adults. Exposure to pesticides is through animal metabolism

Edible insects and spiders are rich in protein (dry matter), dietary fibre and beneficial fatty acids.

Insects have an exoskeleton made of chitin. The insect body consists of three parts; the head, thorax and abdomen, and insects contain three pairs of jointed legs, compound eyes and one pair of antennae.

Spiders have an exoskeleton. Their body is organized into two tagmata, called the prosoma, or cephalothorax, and the opisthosoma, or abdomen. Almost all adult arachnids have eight legs, however, mites are variable: as well as eight, there are adult mites with six or even four legs

The entire commodity may be consumed.

Portion of the commodity to which the MRL applies (and which is analysed): Whole commodity as prepared for wholesale or retail distribution.

Subgroup 048A Spiders (Arachnida)

Subgroup 048B Insects (Insecta)

Group 048 Insects and spiders**Code No.****Commodity**

IN 0160

Group of insects and spiders

(includes all commodities in Group 048)

Subgroup 048A**Arachnida****Code No.****Commodity**

IN 0161

Subgroup of arachnida

(includes all commodities in Subgroup 048A)

IN 1030

Araneae

Organisms belonging to the order of Araneae, e.g. spiders

IN 1031

Ixodida

Organism belonging to the order of Ixodida, e.g. ticks

Subgroup 048B	Insecta
Code No.	Commodity
IN 0162	Subgroup of insects (insecta) (includes all commodities in Subgroup 048B)
IN 1035	Blattodea Organisms belonging to the order of Blattodea, e.g. termites and cockroaches
IN 1036	Coleoptera Organisms belonging to the order of Coleoptera, e.g. beetles and weevils
IN 1037	Dermaptera Organisms belong to the order of Dermaptera, e.g. earwigs
IN 1038	Diptera Organisms belonging to the order of Diptera, e.g. flies
IN 1039	Ephemeroptera Organisms belonging to the order of Ephemeroptera, e.g. mayflies
IN 1040	Hemiptera Organisms belonging to the order of Hemiptera, e.g. true bugs
IN 1041	Hymenoptera Organisms belonging to the order of Hymenoptera, e.g. ants, bees and wasps
IN 1042	Lepidoptera Organisms belonging to the order of Lepidoptera, e.g. butterflies and moths
IN 1043	Mantodea Organisms belong to the order of Mantodea, e.g. mantids
IN 1044	Megaloptera Organisms belonging to the order of Megaloptera, e.g. alderflies, dobsonflies, fishflies
IN 1045	Odonata Organisms belonging to the order of Odonata, e.g. dragonflies, damselflies
IN 1046	Orthoptera Organisms belonging to the order of Orthoptera, including Grasshoppers, Crickets, Gryllidae
IN 1047	Phasmida Organisms belonging to the order of Phasmida, e.g. walkingsticks
IN 1048	Plecoptera Organisms belonging to the order of Plecoptera, e.g. stoneflies
IN 1049	Psocoptera Organisms belonging to the order of Psocoptera, e.g. booklice
IN 1050	Trichoptera Organisms belonging to the order of Trichoptera, e.g. caddisflies

TYPE 10a MISCELLANEOUS PRIMARY FOOD COMMODITIES OF ANIMAL ORIGIN

Miscellaneous commodities are those commodities which do not meet the criteria for crop grouping. These criteria include (1) commodity's similar potential for pesticide residues, (2) similar morphology, (3) similar production practices, growth habits, etc., (4) edible portion, (5) similar GAP for pesticides uses, (6) similar residue behavior, and (7) to provide flexibility for setting subgroup tolerances. Due to the heterogeneous nature of miscellaneous commodities, no representative commodity will be established for miscellaneous groups.

Portion of commodity to which the MRL applies (and which is analysed): **Whole commodity as prepared for wholesale or retail distribution.**

Class B

Type 10a **Miscellaneous** **Group 049** **Group Letter Code MU**

Group 049 **Miscellaneous primary food commodities of animal origin**

MU 1070 **Honey**

According to Codex Stan. 12-1981¹ honey is the natural sweet substance produced by honey bees from the nectar of plants or from secretions of living parts of plants or excretions of plant sucking insects on the living parts of plants, which the bees collect, transform by combining with specific substances of their own, deposit, dehydrate, store and leave in the honey comb to ripen and mature.

MU 1071 **Honeycomb**

MU 1072 **Pollen, bee**

alternative name bee bread

MU 1073 **Propolis**

alternative name bee glue

MU 1074 **Royal jelly**

APPENDIX II**REVISION OF THE CLASSIFICATION OF FOOD AND FEED:
CLASS E: PROCESSED FOODS OF ANIMAL ORIGIN****CLASS E PROCESSED FOODS OF ANIMAL ORIGIN**

Definition, see Class D.

TYPE 16 SECONDARY FOOD COMMODITIES OF ANIMAL ORIGIN

The term “secondary food commodity” means a “primary food commodity” which has undergone simple processing, such as removal of certain portions, drying, and comminution, which do not basically alter the composition or identity of the commodity.

Secondary food commodities may be processed further, or used as ingredients in the manufacture of food, or sold directly to the consumer.

This type of processed food includes groups of processed primary food commodities of animal origin which have undergone simple processing, such as processed mammalian muscle and poultry muscle, fishes and other aquatic animals, e.g. dried muscle, dried fish.

Dried muscle and dried fish productsClass E**Type 16 Secondary food commodities of animal origin****Group 080 Group Letter Code MD**

Group 080. Dried muscle and dried fish products, includes natural or artificial dried muscle products and dried fish, marine or freshwater. Most of the dried fishes are naturally dried (wind and sun). For convenience other marine animals, whether or not fishes or Crustaceans, are classified in this group.

The entire commodity may be consumed, either as such or after processing (e.g. dried fish).

Portion of commodity to which the MRL applies (and which is analysed): **Whole commodity as prepared for wholesale or retail distribution.**

This Group is divided into 3 subgroups:

- 080A Dried muscle (from mammals other than marine mammals)
- 080B Dried fish
- 080C Dried Echinoderms

Group 080 Dried muscle, fish products and echinoderms**Subgroup 080A Dried Muscle (from mammals other than marine mammals)**

Code No.	Commodity
MD 0095	Subgroup of dried muscle (from mammals other than marine mammals) (includes all commodities in this subgroup)
MD 3700	Bovine muscle, dried (including dried and smoked) (see Subgroup 030A (Code MM 3700) for species included in the group of bovine)
MD 3701	Camelid muscle, dried (including dried and smoked) (see Subgroup 030B (Code MM 3701) for species included in the group of camelid)
MD 3702	Caprine muscle, dried (including dried and smoked) (see Subgroup 030C (Code MM 3702) for species included in the group of caprine)
MD 0812	Cattle muscle, dried (including dried and smoked)
MD 3703	Cervine muscle, dried (including dried and smoked) (see Subgroup 030D (Code MM 3703) for species included in the group of cervine)
MD 3704	Equine muscle, dried (including dried and smoked) (see Subgroup 030E (Code MM 3704) for species included in the group of equine)
MD 0814	Goat muscle, dried (including dried and smoked)
MD 0816	Horse muscle, dried (including dried and smoked)
MD 3705	Ovine muscle, dried (including dried and smoked) (see Subgroup 030F (Code MM 3705) for species included in the group of ovine)
MD 0818	Pig muscle, dried (including dried and smoked)
MD 3706	Swine muscle, dried (including dried and smoked) (see Subgroup 030G (Code MM 3706) for species included in the group of swine)
MD 3707	Various other Mammalian muscle, dried (including dried and smoked) (see Subgroup 030H (Code MM 3707) for species included in the group of various other mammalian muscle)

Subgroup 080B Dried fish

Code No.	Commodity
MD 3742	Subgroup of dried fish (includes all commodities in this subgroup)
MD 0927	Cod, dried
MD 0929	Dab or Common dab, dried
MD 0120	Diadromous fish, dried (See Class B, Group 041 for commodities in this subgroup)
MD 0127	Flat-fishes, dried (see Class B, Group 042B for commodities in this subgroup)
MD 0115	Freshwater fish, dried (See Class B, Group 040 for commodities in this subgroup)
MD 0935	Hakes, dried
MD 0936	Halibut, dried
MD 0940	Ling, dried
MD 0125	Other Marine fish, dried (See Class B, Group 042G for commodities in this subgroup)
MD 0126	Stockfish (= dried Cod and Cod-like fishes), dried (see Class B, Group 042A, for commodities in this subgroup)

Subgroup 080C Dried Echinoderms

<u>Code No.</u>	<u>Commodity</u>
MD 3743	Subgroup of dried echinoderms (includes all commodities in this subgroup)
-	Beche-de-mer, dried , see Sea-cucumbers, dried, see MD 1010
MD 1010	Sea cucumber, dried

Class E**Type 16 Secondary food commodities of animal origin****Group 081 Group Letter Code AD**

Group 081. Dried muscle of avians and other avian products, includes natural or artificial dried muscle products and egg products from eggs.

The entire commodity may be consumed, either as such or after processing (e.g. egg yolk in pastry).

Portion of commodity to which the MRL applies (and which is analysed): **Whole commodity as prepared for wholesale or retail distribution.**

Group 081 Dried avian muscle and other avian products

Code No.	Commodity
AD 0110	Dried avian Muscle (see Group 036 for avian species)
AD 0840	Chicken egg, powder
AD 3745	Chicken egg, white
AD 3746	Chicken egg, white, dried
AD 3747	Chicken egg, yolk
AD 3748	Chicken egg, yolk, dried
AD 3750	Chicken muscle, dried (including dried and smoked)
AD 3752	Other avian eggs, powder , see Group 039 for commodities in this subgroup
AD 3753	Other avian eggs, white , see Group 039 for commodities in this subgroup
AD 3754	Other avian eggs, white, dried see Group 039 for commodities in this subgroup
AD 3755	Other avian egg, yolk see Group 039 for commodities in this subgroup
AD 3756	Other avian egg, yolk, dried see Group 039 for commodities in this subgroup
AD 0848	Turkey muscle, dried (including dried and smoked)

Secondary milk productsClass E**Type 16 Secondary Food Commodities of animal origin Group 082 Group Letter Code LS**

Group 082, secondary milk products, includes milk products which have undergone simple processing such as removal or part removal of certain ingredients e.g. water, milk fat etc. The group and the commodities therein will only be used for pesticides which are not partitioned exclusively or nearly exclusively into the milk fat.

The recommended system for expressing the MRLs for the fat-soluble pesticides in milk and milk products is explained in the introduction to CAC/Vol. XIII-Ed. 2.

The group includes among others the following commodities as defined in the relevant Codex Standards, see CAC/Vol. XVI-Ed.1 (1984). The reference no. of the standard is indicated between brackets.

Milk powders (whole, skimmed and partly skimmed) (Standard A-5 1971); evaporated milks (whole, skimmed) (Standard A-3 1971); skimmed milk.

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity.**

Group 082 Secondary milk products

Code No.	Commodity
LS 0106	Group of Secondary Milk Products

Class E**Type 16 Secondary invertebrate food commodities of animal origin****Group 083 Group Letter Code IV**

Group 083. Dried invertebrate products, including dried bivalves, cephalopods, and insect products.

The entire commodity may be consumed, either as such or after processing (e.g. dried).

Portion of commodity to which the MRL applies (and which is analysed): **Whole commodity as prepared for wholesale or retail distribution.**

This Group is divided into 6 subgroups:

083A	Bivalves, dried
083B	Cephalopods, dried
083C	Insects, dried
083D	Crustaceans, dried
083E	Sea and freshwater snails, dried
083F	Amphibiens and reptiles, dried

Group 083 Secondary invertebrate food commodities of animal origin

Subgroup 083A Bivalves, dried

<u>Code No.</u>	<u>Commodity</u>
IV 0151	Subgroup of bivalves, dried (See Class B, Group 047A for commodities in this subgroup) (includes all commodities in this subgroup)
IV 1000	Clams, dried
-	- Clam, hort necked, see IV 1000 Clams, dried
-	- Clam, razor, dried, see IV 1000 Clams, dried
IV 1001	Cockles, dried
IV 1012	Geoduck, Pacific, dried
IV 1003	Mussels, dried
IV 1013	Mussels, Freshwater, dried
IV 1004	Oysters (including Cupped oysters), dried
IV 1005	Scallops
-	- Scallop, sea, see IV 1005

Subgroup 083B Cephalopods, dried

<u>Code No.</u>	<u>Commodity</u>
IV 0152	Subgroup of Cephalopods, dried (See Class B, Group 047B for commodities in this subgroup) (includes all commodities in this subgroup)
IV 1002	Cuttlefishes, dried
IV 1014	Octopuses, dried
IV 1008	Squids, dried
IV 1009	Squid, Common, dried, see Squids IM 1008

Subgroup 083C Insects, dried

Code No.	Commodity
IV 0160	Subgroup of insects and spiders, dried (includes all commodities in this subgroup) (See Class B, Group IN 0160 for commodities in this subgroup)
IV 1035	Blattodea, dried Organisms belonging to the order of Blattodea, e.g. termites and cockroaches
IV 1036	Coleoptera, dried Organisms belonging to the order of Coleoptera, e.g. beetles and weevils
IV 1037	Dermaptera, dried Organisms belong to the order of Dermaptera, e.g. earwigs
IV 1038	Diptera, dried Organisms belonging to the order of Diptera, e.g. flies
IV 1039	Ephemeroptera, dried Organisms belonging to the order of Ephemeroptera, e.g. mayflies
IV 1040	Hemiptera, dried Organisms belonging to the order of Hemiptera, e.g. true bugs
IV 1041	Hymenoptera, dried Organisms belonging to the order of Hymenoptera, e.g. ants, bees and wasps
IV 1042	Lepidoptera, dried Organisms belonging to the order of Lepidoptera, e.g. butterflies and moths
IV 1043	Mantodea, dried Organisms belong to the order of Mantodea, e.g. mantids
IV 1044	Megaloptera, dried Organisms belonging to the order of Megaloptera, e.g. alderflies, dobsonflies, fishflies
IV 1045	Odonata, dried Organisms belonging to the order of Odonata, e.g. dragonflies, damselflies
IV 1046	Orthoptera, dried Organisms belonging to the order of Orthoptera, including Grasshoppers, Crickets, Gryllidae
IV 1047	Phasmida, dried Organisms belonging to the order of Phasmida, e.g. walkingsticks
IV 1048	Plecoptera, dried Organisms belonging to the order of Plecoptera, e.g. stoneflies
IV 1049	Psocoptera, dried Organisms belonging to the order of Psocoptera, e.g. booklice
IV 1050	Trichoptera, dried Organisms belonging to the order of Trichoptera, e.g. caddisflies

Subgroup 083D Crustaceans, dried

<u>Code No.</u>	<u>Commodity</u>
IV 0143	Subgroup of crustaceans, dried (includes all commodities in this subgroup) (See Class B, Group 045 for commodities in this subgroup)
IV 0979	Shrimps or Prawns, dried , see note 2 According to Codex Stan. 37-1981 and 92-1981 include spp. of the families <i>Crangonidae</i> <i>Palaemonidae</i> , see note 3, <i>Pandalidae</i> and <i>Penaidae</i>
-	Prawn, Chinese, dried , see IV 0979

Subgroup 083E Sea and freshwater snails, dried

<u>Code No.</u>	<u>Commodity</u>
IV 0153	Subgroup of sea and freshwater snails, dried ((includes all commodities in this subgroup) (See Class B, Group 047C for commodities in this subgroup)
IV 1007	Freshwater snails, dried
-	Sea snails, dried , see IV 1007

Subgroup 083F Amphibiens and reptiles, dried

<u>Code No.</u>	<u>Commodity</u>
IV 0148	Subgroup of amphibiens and reptiles, dried ((includes all commodities in this subgroup) (See Class B, Group 046 for commodities in this subgroup)
IV 0993	Turtles, dried

TYPE 17 DERIVED EDIBLE PRODUCTS OF ANIMAL ORIGIN

The term “Derived edible products” means foods or edible substances isolated from primary food commodities or raw agricultural commodities not intended for human consumption as such, using physical, biological and chemical processes.

This type includes processed (rendered or extracted, possibly refined and/or clarified) fats from mammals, including aquatic mammals, poultry and aquatic organisms such as fishes.

Crustaceans, processedClass E**Type 17 Derived edible products of animal origin****Group 084 Group Letter Code SC**

Group 084, Crustaceans, processed. Crustaceans are processed to a large extent before entering the national or international trade channels.

Crabs, lobsters and shrimps or prawns are in general cooked directly after catching. Thereafter either the animals are deep-frozen with or without shell, or the muscle without shell is canned, with or without a packing medium. The latter may consist of water, salt, lemon juice and sugars.

Shrimps or prawns may also be “parboiled” and thereafter deep-frozen.

According to the relevant Codex Standards, namely 92-1981, and 95-1981 “cooked” means heated for a period of time such that the thermal centre reaches a temperature adequate to coagulate the protein and “parboiled” means heated for a period of such time that the surface of the product reaches a temperature adequate to coagulate the protein at the surface but inadequate to coagulate the protein at the thermal centre.

The cooked commodities are in general subjected to deep-freezing directly after cooking or the cooking is part of the canning process.

The designation cooked after the commodity may include any of the processes mentioned except the parboiled and deep-frozen shrimps or prawns.

The entire commodity except the shell may be consumed.

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity (especially with the small sized species) or the cooked muscle without shell as prepared for wholesale or retail distribution.**

For commodity description and scientific family or species names see Group 045, Crustaceans.

Group 084 Crustaceans, processed

<u>Code No.</u>	<u>Commodity</u>
SC 0143	Group of Crustaceans, processed (includes all commodities in this group)
SC 0144	Freshwater crustaceans, cooked
SC 0145	Marine crustaceans, cooked
SC 0146	Crabmeat, cooked
SC 0976	Freshwater crayfishes, cooked
SC 0977	Freshwater shrimps or prawns, cooked
SC 0978	Lobsters (including Lobster muscle), cooked
SC 0979	Shrimps or Prawns, cooked
SC 1220	Shrimps or Prawns, parboiled

Group 085 Animal fats, processed

Animal fats, processed

Class E

Type 17 Derived edible products of animal origin**Group 085 Group Letter Code FA**

The Group 085, processed animal fats, includes rendered or extracted (possibly refined and/or clarified) fats from land and aquatic mammals and poultry and fats and oils derived from fishes.

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity as prepared for wholesale or retail distribution.**

This Group is divided into 4 subgroups:

085A Processed Fats from mammals (other than marine mammals)

085B Processed Fats from Marine mammals

085C Processed Fats from Avian species

085D Processed Fats from Fish species

Group 085 Animal fats, processed

Code No.**Commodity**

FA 0101

Group of Processed Animal Fats

Subgroup 085A Processed Fats from mammals other than marine mammals

Code No.	Commodity
FA 0100	Subgroup of processed fats from mammals (other than marine mammals) (includes all commodities in this subgroup)
FA 3700	Bovine tallow (see Subgroup 030A (Code MM 3700) for species included in the group of bovine)
FA 0810	Buffalo tallow <i>Bubalis bubalis</i> L.; <i>Syncerus caffer</i> Sparrman <i>Bison bison</i> L.
FA 0811	Camel tallow <i>Camelus bactrianus</i> L.; <i>C. dromedarius</i> L.; <i>Lama glama</i> L.; <i>L. pacos</i> L.
FA 3701	Camelid tallow (see Subgroup 030B (Code MM 3701) for species included in the group of camelid)
FA 3702	Caprine tallow (see Subgroup 030C (Code MM 3702) for species included in the group of caprine)
FA 0812	Cattle tallow (including processed suet) <i>Bos taurus</i> L.; see further Group 037, MM 0812
FA 3703	Cervine tallow (see Subgroup 030D (Code MM 3703) for species included in the group of cervine)
FA 3704	Equine tallow (see Subgroup 030E (Code MM 3704) for species included in the group of equine)
FA 0814	Goat tallow <i>Capra hircus</i> L.; other <i>Capra</i> spp.
FA 0816	Horse tallow <i>Equus caballus</i> L.
FA 0818	Lard (of pigs) among others <i>Sus domesticus</i> Erxleben; other <i>Sus</i> spp. and ssp.
FA 3705	Ovine tallow (see Subgroup 030F (Code MM 3705) for species included in the group of ovine)
FA 0822	Sheep tallow <i>Ovis aries</i> L.; other <i>Ovis</i> spp.
FA 3706	Swine tallow (see Subgroup 030G (Code MM 3706) for species included in the group of swine)
FA 3707	Various other mammalian muscle tallow (see Subgroup 030H (Code MM 3707) for species included in the group of various other mammalian muscle)

Subgroup 085B Processed Fats from marine mammals

<u>Code No.</u>	<u>Commodity</u>
FA 3741	Subgroup of processed fats from marine mammals (includes all commodities in this subgroup)
FA 0972	Whales, Blubber of, processed
FA 0142	Processed Fat (Blubber), of Whales, Dolphins and Seals

Subgroup 085C Processed Fats from Avian species

<u>Code No.</u>	<u>Commodity</u>
FA 0111	Subgroup of processed fats from avian species (includes all commodities in this subgroup) (see Class B type 7 for commodities in this subgroup)
FA 0111	Poultry fats, processed
FA 0840	Chicken fat, processed <i>Gallus gallus</i> L.; other <i>Gallus</i> spp.
FA 0841	Duck fat, processed <i>Anas platyrhynchos</i> L.; other <i>Anas</i> spp.
FA 0842	Goose fat, processed <i>Anser anser</i> L.; other <i>Anser</i> spp.
FA 0848	Turkey fat, processed <i>Meleagris gallopavo</i> L.

Subgroup 085D Processed Fats from Fish species

<u>Code No.</u>	<u>Commodity</u>
FA 3744	Subgroup of processed fats from fish species (includes all commodities in this subgroup)
FA 0125	Fish, oil

Group 086 Milk fats, processed**Milk fats**Class E**Type 17 Derived edible products of animal origin****Group 086 Group Letter Code FM**

Group 086. Milk fats are the fatty ingredients derived from the milk of various mammals.

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity.**

Group 086 Milk fats

<u>Code No.</u>	<u>Commodity</u>
FM 0106	Group of Milk Fats (includes all milk fats in this group)
FM 3700	Bovine milk fat (see Subgroup 030A (Code MM 3700) for species included in the group of bovine)
FM 0810	Buffalo milk fat <i>Bubalis bubalis</i> L.; <i>Syncerus caffer</i> Sparrman; <i>Bison bison</i> L.
FM 0811	Camel milk fat <i>Camelus bactrianus</i> L.; <i>C. dromedarius</i> L.; <i>Lama glama</i> L.; <i>L. pacos</i> L.
FM 3701	Camelid milk fat (see Subgroup 030B (Code MM 3701) for species included in the group of camelid)
FM 3702	Caprine milk fat (see Subgroup 030C (Code MM 3702) for species included in the group of caprine)
FM 0812	Cattle milk fat <i>Bos taurus</i> L.; see further Group 037 no. MM 0812
FM 3703	Cervine milk fat (see Subgroup 030D (Code MM 3703) for species included in the group of cervine)
FM 3704	Equine milk fat (see Subgroup 030E (Code MM 3704) for species included in the group of equine)
FM 0814	Goat milk fat <i>Capra hircus</i> L.; other <i>Capra</i> spp.
FM 0183	Milk fats (from milk of Buffalo, Camel, Cattle, Goat or Sheep)
FM 3705	Ovine milk fat (see Subgroup 030F (Code MM 3705) for species included in the group of ovine)
FM 0822	Sheep milk fat <i>Ovis aries</i> L.; other <i>Ovis</i> spp.

Group 087 Derives milk products**Derived milk products**Class E**Type 17 Derived Edible Products of Animal Origin****Group 087 Group Letter Code LD**

Group 087: Derived milk products, includes food or edible substances isolated from the primary food commodity cattle milk, or milks from other mammals, using physical, biological and chemical processes. This group and the commodities therein will only be used if necessary for pesticides which are not partitioned exclusively or nearly exclusively into the milk fat. For further explanation, see Group 082.

This group include among others the following food commodities, as defined in the relevant Codex Standards, see CAC/Vol. XXI, Ed-1 (1984): Butter, whey butter, both in Standard A-1 (1971): Butteroil, anhydrous butteroil, both in Standard A-2 (1973): Cream, Standard A-9 (1976): Cream powders (half cream, high fat), Standard A-10 (1971): Edible acid casein, Standard A-12 (1976): Edible caseinates, Standard A-13 (1976).

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity.**

TYPE 18 MANUFACTURED FOOD (SINGLE-INGREDIENT) OF ANIMAL ORIGIN

The term "single ingredient manufactured food" means a processed food which consists of one identifiable food ingredient, with or without packing medium or minor ingredients such as flavouring agents, spices and condiments, and which is normally pre-packaged and ready for consumption, with or without cooking.

Manufactured milk products (single ingredient)Class E**Type 18 Manufactured Food (single ingredient) of animal origin****Group 090 Group Letter Code LI**

Group 090 and the commodities therein will only be used, if the necessity arises, for pesticides which are not partitioned exclusively or nearly exclusively into the milk fat. For further explanation see Group 082.

This group include among others the following food commodities, as defined in the relevant Codex Standards (indicated between brackets): Yoghurt (Codex Standard A-11(a) 1975): Cheeses, individually named (Codex Standard A-6 1978 and Standard C-1 (1966-1978).

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity as prepared for wholesale or retail distribution.**

TYPE 19 MANUFACTURED FOOD (MULTI-INGREDIENT) OF ANIMAL ORIGIN

The term "multi-ingredient manufactured food" means a processed food consisting of more than one major ingredient. A multi-ingredient food consisting of ingredients of both animal and plant origin will be included in this type if the ingredient(s) of animal origin is (are) predominant.

Manufactured milk products (multi-ingredient)Class E**Type 19 Manufactured food (multi-ingredient) of animal origin****Group 092 Group Letter Code LM**

Group 092 and the commodities therein will only be used in the classification if necessary for pesticides which are not partitioned exclusively or nearly exclusively into the milk fat. For further explanation see Group 082.

This group includes among others the following commodities, as defined in the relevant Codex Standards, see CAC/Vol XVI, Ed-1 (1984): Processed Cheese products, Codex Standard A-8(a) and A-8(b) (1978): Processed Cheese preparations, Standard A-8(c) (1978): Flavoured yoghurt, Standard A-11(b) (1976): Sweetened condensed milk, Standard A-4 (1971).

Portion of the commodity to which the MRL applies (and which is analysed): **Whole commodity as prepared for wholesale or retail distribution.**

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