THE 149th CONFERENCE FOR PROMOTION OF FOOD IMPORT FACILITATION

(FOOD SAFETY GROUP)

Standards and Evaluation Division
Department of Food Safety
Pharmaceutical and Food Safety Bureau
Ministry of Health, Labour and Welfare

Date: Friday, May 13, 2011 (10:30—12:00)

Place: Ministry of Health, Labour and Welfare
Temporary Meeting Room No. 2
1-2-2, Kasumigaseki, Chiyoda-ku, Tokyo

Agenda:

1. Establishment of Maximum Residue Limits for Agricultural Chemicals in Food
   Pesticides: Acifluorfen, Dithianon, Lactofen, Pendimethalin and Picolinafen
   Veterinary drugs: Levamisole and Mebendazole
2. Designation of Food Additives (Isoquinoline and Pyrrole)
3. Compounds that Are Scheduled to Undergo Risk Assessment in Fiscal 2011
4. Miscellaneous

The Ministry of Health, Labour and Welfare (MHLW) will revise the existing standards and specifications for food as shown in the Attachments. Please provide comments in writing by **Friday, May 27, 2011**. After the given date, comments should be directed to the enquiry point in accordance with the WTO/SPS Agreement.

We ask that if you want to make a comment requesting that the same limits as your country's maximum residue limits be adopted as Japanese MRLs, the comment should be accompanied by data supporting your country's MRLs, such as risk assessment and residue data.

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Agenda 1. Establishment of Maximum Residue Limits for Agricultural Chemicals in Food

Summary

The Ministry of Health, Labour and Welfare (MHLW) is going to develop compositional specifications for food.

Under the provisions of Article 11, Paragraph 1 of the Food Sanitation Law, the Minister of Health, Labour and Welfare is authorized to establish residue standards (maximum residue limits: MRLs) for pesticides, feed additives, and veterinary drugs (hereafter referred to as just "agricultural chemicals") that may remain in foods. Any food for which standards are established pursuant to the provisions is not permitted to be marketed in Japan unless it complies with the established standards.

On May 29, 2006, the MHLW introduced the positive list system for agricultural chemicals in food. Basically, all foods distributed in the Japanese marketplace are subject to regulation based on the system.

This time the MHLW has newly established MRLs (draft) for some food commodities as well as has comprehensively reviewed the current MRLs. This activity is targeted to five pesticides (Acifluorfen, Dithianon, Lactofen, Pendimethalin, and Picolinafen) and two veterinary drugs (Levamisole and Mebendazole). Details are given below.

Note: The positive list system was established based on the 2003 amendment of the Food Sanitation Law. The system aims to prohibit the distribution of any food in the Japanese marketplace if it contains agricultural chemicals at amounts exceeding a certain level (0.01 ppm) specified under the Law.

Outline of revision

Acifluorfen (herbicide): Not permitted for use in Japan.
The MHLW has reviewed the MRLs that had been established at the introduction of the positive list system.

Dithianon (fungicide): Permitted for use in Japan.
This time Ministry of Agriculture, Forestry and Fisheries (MAFF) is going to expand the scope of target crops for which the use of the chemical is permitted. In response to the MAFF's action, the MHLW has newly established MRLs (draft) for nectarine. Also the MHLW has set an import tolerance (draft) for the "other solanaceous vegetables" category in response to a request from a foreign country based on the Guideline for Application for Establishment and Revision of Maximum Residue Limits for Agricultural Chemicals Used outside Japan (Shokuan No. 0205001, 5 February 2004). In addition, the MHLW has reviewed the MRLs that had been established at the introduction of the positive list system.

Lactofen (herbicide): Not permitted for use in Japan.
The MHLW has reviewed the MRLs that had been established at the introduction of the positive list system.

Pendimethalin (herbicide): Permitted for use in Japan.
This time the MAFF is going to expand the scope of target crops for which the use of the chemical is permitted. In response to the MAFF's action, the MHLW has newly established MRLs (draft) for parsley, pumpkin, and the "fish and selfish" category. In addition, the MHLW has reviewed the MRLs that had been established at the introduction of the positive list system.

Picolinafen (herbicide): Not permitted for use in Japan.
The MHLW has reviewed the MRLs that had been established at the introduction of the positive list system.

Levamisole (parasiticide): Permitted for use in Japan.
The MHLW has reviewed the MRLs that had been established at the introduction of the positive list system.

Mebendazole (parasiticide): Not permitted for use in Japan.
The MHLW has reviewed the MRLs that had been established at the introduction of the positive list system.

Acifluorfen

Commodity	MRL (draft) ppm	MRL (current) ppm
Rice (brown rice)		0.1
Soybeans, dry	0.1	0.1
Beans, dry (including butter beans, cowbeans (red beans), lentil, lima beans, pegia, sultani, sultapya, and white beans.		0.1
Peas		0.1
Broad beans		0.1
Peanuts, dry	0.1	0.08
Other legumes/pulses		0.1
Peas, immature (with pods)	0.1	0.1
Kidney beans, immature (with pods)	0.1	0.1
Green soybeans	0.1	0.1
Other vegetables	0.1	0.1
Strawberry		0.05
Other spices		0.1
Other herbs		0.1
Cattle, muscle		0.01
Pig, muscle		0.01
Other terrestrial mammals, muscle		0.01
Cattle, fat		0.01
Pig, fat		0.01
Other terrestrial mammals, fat		0.01
Cattle, liver		0.06
Pig, liver		0.06
Other terrestrial mammals, liver		0.06
Cattle, kidney		0.06
Pig, kidney		0.06
Other terrestrial mammals, kidney		0.06
Cattle, edible offal ("Edible offal" refers to all edible parts, except muscle, fat, liver, and kidney)		0.1
Pig, edible offal		0.1
Other terrestrial mammals, edible offal		0.1
Milk		0.02
Chicken, muscle		0.02
Other poultry animals, muscle		0.02
Chicken, fat		0.02
Other poultry animals, fat		0.02
Chicken, liver		0.06
Other poultry animals, liver		0.06
Chicken, kidney		0.06
Other poultry animals, kidney		0.06
Chicken, edible offal		0.06
Other poultry animals, edible offal		0.06
Chicken, eggs		0.02
Other poultry, eggs		0.02

* Shaded figures indicate provisional MRLs.
* The uniform limit 0.01 ppm will be applied to commodities for which draft MRLs are not given in this table and to commodities not listed above.
* In the "Commodity" column, for the food categories to which the word "other" is added, refer to the Notes given in the last two pages of the Attachment.

Dithianon

Commodity	MRL (draft) ppm	MRL (Current) ppm
Japanese radish, roots (including radish)	0.05	0.1
Japanese radish, leaves (including radish)	0.3	0.5
Turnip, roots (including rutabaga)		0.1
Turnip, leaves (including rutabaga)		0.5
Horseradish		0.1
Watercress		0.5
Chinese cabbage	0.5	0.5
Cabbage		0.5
Brussels sprouts		0.5
Kale		0.5
Komatsuna (Japanese mustard spinach)		0.5
Kyona		0.5
Qing-geng-cai		0.5
Cauliflower		0.5
Broccoli		0.5
Other cruciferous vegetables		0.5
Burdock		0.1
Salsify		0.1
Artichoke		0.5
Chicory		0.5
Endive		0.5
Shungiku		0.5
Lettuce (including cos lettuce and leaf lettuce)		0.5
Other composite vegetables		0.5
Welsh (including leek)		0.5
Nira		0.5
Asparagus		0.5
Multiplying onion (including shallot)		0.5
Other liliaceous vegetables		0.5
Carrot		0.1
Parsnip		0.1
Parsley		0.5
Celery		0.5
Mitsuba		0.5
Other umbelliferous vegetables		0.5
Tomato	0.5	0.5
Pimiento (sweet pepper)		0.3
Egg plant		0.5
Other solanaceous vegetables	0.3	
Cucumber (including gherkin)	0.5	0.5
Pumpkin (including squash)		0.5
Oriental pickling melon (vegetable)		0.5
Water melon	0.2	0.2
Melons		0.2
Makuwauri melon		0.2
Other cucurbitaceous vegetables		0.5
Spinach		0.5
Bamboo shoots		0.1
Ginger		0.1
Other vegetables		0.5
Unshu orange, pulp	0.3	3

Dithianon

Commodity	MRL (draft) ppm	MRL (Current) ppm
Citrus *natsudaidai*, whole	3	5
Lemon	5	5
Orange (including navel orange)	5	5
Grapefruit	5	5
Lime	5	5
Other citrus fruits	5	5
Apple	2	5
Japanese pear	5	5
Pear	5	5
Quince	5	5
Loquat	5	5
Peach	0.2	0.2
Nectarine	5	0.5
Apricot		0.5
Japanese plum (including prune)		0.5
Mume plum	0.5	0.5
Cherry	5	5
Strawberry	0.05	0.5
Raspberry		0.5
Blackberry		0.5
Blueberry		0.5
Cranberry		0.5
Huckleberry		0.5
Other berries		0.5
Grape	3	3
Japanese persimmon	0.5	0.5
Banana		0.5
Kiwifruit		0.2
Papaya		0.5
Avocado		0.5
Pineapple		2
Guava		0.5
Mango		0.5
Passion fruit		0.5
Date		0.5
Other fruits	0.3	0.5
Hop	100	100
Other spices	20	5
Other herbs		0.5

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Lactofen

Commodity	MRL (draft) ppm	MRL (current) ppm
Soybeans, dry	0.01	0.05
Peanuts, dry	0.01	0.01
Peas, immature (with pods)		0.05
Green soybeans		0.05
Other vegetables		0.05
Cotton seeds	0.01	0.01
Other spices		0.05
Other herbs		0.05

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Pendimethalin

Commodity	MRL (draft) ppm	MRL (current) ppm
Rice (brown rice)	0.2	0.2
Wheat	0.2	0.2
Barley	0.2	0.2
Rye	0.2	0.2
Corn (maize, including pop corn and sweet corn)	0.2	0.2
Buckwheat	0.1	0.1
Soybeans, dry	0.2	0.2
Beans, dry (including butter beans, cowbeans (red beans), lentil, lima beans, pegia, sultani, sultapya, and white beans.	0.05	0.05
Peas	0.1	0.1
Broad beans	0.1	0.1
Peanuts, dry	0.2	0.2
Other legumes/pulses	0.1	0.1
Potato	0.2	0.2
Taro	0.2	0.2
Sweet potato	0.05	0.05
Yam	0.2	0.2
Konjac	0.2	0.2
Other potatoes	0.05	0.05
Sugar beet	0.05	0.05
Sugarcane	0.1	0.1
Japanese radish, roots (including radish)	0.05	0.05
Japanese radish, leaves (including radish)	0.05	0.05
Turnip, roots (including rutabaga)	0.05	0.05
Turnip, leaves (including rutabaga)	0.05	0.05
Horseradish	0.05	0.05
Watercress	0.05	0.05
Chinese cabbage	0.2	0.2
Cabbage	0.2	0.2
Brussels sprouts	0.2	0.2
Kale	0.05	0.05
Komatsuna (Japanese mustard spinach)	0.05	0.05
Kyona	0.05	0.05
Qing-geng-cai	0.05	0.05
Cauliflower	0.05	0.05
Broccoli	0.05	0.05
Other cruciferous vegetables	0.05	0.05
Burdock		0.05
Salsify		0.05
Artichoke	0.05	0.05
Chicory	0.05	0.05
Endive	0.05	0.05
Shungiku	0.05	0.05
Lettuce (including cos lettuce and leaf lettuce)	0.2	0.2
Other composite vegetables	0.05	0.05

Pendimethalin

Commodity	MRL (draft) ppm	MRL (current) ppm
Onion	0.2	0.2
Welsh (including leek)	0.2	0.2
Garlic	0.2	0.2
Nira	0.05	0.05
Asparagus	0.05	0.05
Multiplying onion (including shallot)	0.05	0.05
Other liliaceous vegetables	0.05	0.05
Carrot	0.2	0.2
Parsnip		0.05
Parsley	0.2	
Other umbelliferous vegetables	0.2	0.2
Tomato	0.05	0.05
Egg plant	0.05	0.05
Other solanaceous vegetables	0.05	0.05
Pumpkin (including squash)	0.1	
Water melon		0.1
Melons		0.1
Makuwauri melon		0.1
Other cucurbitaceous vegetables		0.05
Spinach		0.05
Peas, immature (with pods)	0.05	0.05
Kidney beans, immature (with pods)	0.05	0.05
Green soybeans	0.2	0.2
Other vegetables	0.1	0.08
Unshu orange, pulp	0.05	0.05
Citrus *natsudaidai*, whole	0.05	0.05
Lemon	0.05	0.05
Orange (including navel orange)	0.05	0.05
Grapefruit	0.05	0.05
Lime	0.05	0.05
Other citrus fruits	0.05	0.05
Apple	0.1	0.1
Japanese pear	0.1	0.1
Pear	0.1	0.1
Quince	0.05	0.05
Loquat	0.05	0.05
Peach	0.05	0.05
Nectarine	0.05	0.05
Apricot	0.05	0.05
Japanese plum (including prune)	0.05	0.05
Mume plum	0.05	0.05
Cherry	0.05	0.05
Strawberry	0.05	0.05
Raspberry	0.05	0.05
Blackberry	0.05	0.05
Blueberry	0.05	0.05
Cranberry	0.05	0.05
Huckleberry	0.05	0.05
Other berries	0.05	0.05
Grape	0.1	0.1
Japanese persimmon	0.05	0.05

Pendimethalin

Commodity	MRL (draft) ppm	MRL (current) ppm
Banana	0.05	0.05
Kiwifruit	0.05	0.05
Papaya	0.05	0.05
Avocado	0.05	0.05
Pineapple	0.05	0.05
Guava	0.05	0.05
Mango	0.05	0.05
Passion fruit	0.05	0.05
Date	0.05	0.05
Other fruits		0.1
Sunflower seeds	0.1	0.1
Sesame seeds	0.05	0.05
Safflower seeds	0.05	0.05
Cotton seeds	0.1	0.1
Rapeseeds	0.05	0.05
Other oil seeds	0.05	0.05
Ginkgo nut	0.05	0.05
Chestnut	0.05	0.05
Pecan	0.05	0.05
Almond	0.05	0.05
Walnut	0.05	0.05
Other nuts	0.05	0.05
Other spices		0.2
Other herbs		0.2
Cattle, muscle		0.01
Pig, muscle		0.01
Other terrestrial mammals, muscle		0.01
Cattle, fat		0.01
Pig, fat		0.01
Other terrestrial mammals, fat		0.01
Cattle, liver		0.01
Pig, liver		0.01
Other terrestrial mammals, liver		0.01
Cattle, kidney		0.01
Pig, kidney		0.01
Other terrestrial mammals, kidney		0.01
Cattle, edible offal ("Edible offal" refers to all edible parts, except muscle, fat, liver, and kidney)		0.01
Pig, edible offal		0.01
Other terrestrial mammals, edible offal		0.01
Milk		0.01
Chicken, muscle		0.01
Other poultry animals, muscle		0.01
Chicken, fat		0.01
Other poultry animals, fat		0.01
Chicken, liver		0.01
Other poultry animals, liver		0.01
Chicken, kidney		0.01
Other poultry animals, kidney		0.01

Pendimethalin

Commodity	MRL (draft) ppm	MRL (current) ppm
Chicken, edible offal		0.01
Other poultry animals, edible offal		0.01
Chicken, eggs		0.01
Other poultry, eggs		0.01
Fish and shellfish	0.3	
Mineral waters (natural mineral waters and bottled/packaged drinking waters)	0.02	0.02

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Picolinafen

Commoditiy	MRL (draft) ppm	MRL (current) ppm
Rice (brown rice)		0.02
Wheat	0.05	0.04
Barley	0.05	0.04
Rye	0.02	0.02
Corn (maize, including pop corn and sweet corn)	0.02	0.02
Buckwheat	0.02	0.02
Other cereal grains	0.02	0.02
Peas	0.02	0.02
Other legumes/pulses		0.02
Other spices		0.02
Cattle, muscle		0.02
Pig, muscle		0.02
Other terrestrial mammals, muscle		0.02
Cattle, fat		0.02
Pig, fat		0.02
Other terrestrial mammals, fat		0.02
Cattle, liver		0.05
Pig, liver		0.05
Other terrestrial mammals, liver		0.05
Cattle, kidney		0.05
Pig, kidney		0.05
Other terrestrial mammals, kidney		0.05
Cattle, edible offal ("Edible offal" refers to all edible parts, except muscle, fat, liver, and kidney)		0.05
Pig, edible offal		0.05
Other terrestrial mammals, edible offal		0.05
Milk		0.01
Chicken, muscle		0.02
Other poultry animals, muscle		0.02
Chicken, fat		0.02
Other poultry animals, fat		0.02
Chicken, liver		0.02
Other poultry animals, liver		0.02
Chicken, kidney		0.02
Other poultry animals, kidney		0.02
Chicken, edible offal		0.02
Other poultry animals, edible offal		0.02
Chicken, eggs		0.01
Other poultry, eggs		0.01

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Levamisole

Commodity	MRL (draft) ppm	MRL (current) ppm
Cattle, muscle	0.01	0.01
Pig, muscle	0.01	0.01
Sheep, muscle	0.01	0.01
Other terrestrial mammals, muscle	0.01	0.06
Cattle, fat	0.01	0.01
Pig, fat	0.01	0.01
Sheep, fat	0.01	0.01
Other terrestrial mammals, fat	0.01	0.01
Cattle, liver	0.1	0.10
Pig, liver	0.1	0.10
Sheep, liver	0.1	0.10
Other terrestrial mammals, liver	0.1	0.6
Cattle, kidney	0.01	0.01
Pig, kidney	0.01	0.01
Sheep, kidney	0.01	0.01
Other terrestrial mammals, kidney	0.01	0.5
Cattle, edible offal ("Edible offal" refers to all edible parts, except muscle, fat, liver, and kidney)	0.1	0.3
Pig, edible offal	0.1	0.3
Sheep, edible offal	0.1	0.3
Other terrestrial mammals, edible offal	0.1	0.5
Milk		0.3
Chicken, muscle	0.01	0.01
Duck, muscle	0.01	0.01
Turkey, muscle	0.01	0.01
Other poultry animals, muscle	0.01	0.01
Chicken, fat	0.01	0.01
Duck, fat	0.01	0.01
Turkey, fat	0.01	0.01
Other poultry animals, fat	0.01	0.01
Chicken, liver	0.1	0.10
Duck, liver	0.1	0.10
Turkey, liver	0.1	0.10
Other poultry animals, liver	0.1	0.1
Chicken, kidney	0.01	0.01
Duck, kidney	0.01	0.01
Turkey, kidney	0.01	0.01
Other poultry animals, kidney	0.01	0.01
Chicken, edible offal	0.1	0.06
Other poultry animals, edible offal	0.1	0.06
Chicken, eggs		1
Other poultry, eggs		1

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Mebendazole

Commodity	MRL (draft) ppm	MRL (current) ppm
Cattle, muscle		0.02
Pig, muscle		0.02
Other terrestrial mammals, muscle		0.04
Cattle, fat		0.02
Pig, fat		0.02
Other terrestrial mammals, fat		0.06
Cattle, liver		0.02
Pig, liver		0.02
Other terrestrial mammals, liver		0.2
Cattle, kidney		0.02
Pig, kidney		0.02
Other terrestrial mammals, kidney		0.04
Cattle, edible offal ("Edible offal" refers to all edible parts, except muscle, fat, liver, and kidney)		0.02
Pig, edible offal		0.02
Other terrestrial mammals, edible offal		0.02
Milk		0.02
Chicken, muscle		0.02
Other poultry animals, muscle		0.02
Chicken, fat		0.02
Other poultry animals, fat		0.02
Chicken, liver		0.02
Other poultry animals, liver		0.02
Chicken, kidney		0.02
Other poultry animals, kidney		0.02
Chicken, edible offal		0.02
Other poultry animals, edible offal		0.02
Chicken, eggs		0.02
Other poultry, eggs		0.02
Salmoniformes (such as salmon and trout)		0.02
Anguilliformes (such as eel)		0.02
Perciformes (such an bonito, horse mackerel, mackerel, sea bass, sea bream and tuna)		0.02
Other fish		0.02
Shelled molluscas		0.02
Crustaceans		0.02
Other aquatic animals		0.02
Honey (including royal-jelly)		0.02

The MRLs are established as the sum of mebendazole and its metabolites, methyl (5-(1-hydroxy, 1-phenyl)methyl-1H-benzimidazol)carbamate and (2-amino-1H-benzimidazol-5-yl)phenylmethanone, expressed as mebendazole equivalents.

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* In the "Commodity" column, for the food categories to which the word *other* is added, refer to the Notes given in the last two pages of the Attachment.

Notes:

"Other cereal grains" refers to all cereal grains, except rice (brown rice), wheat, barley, rye, corn (maize), and buckwheat.

"Other legumes/pulses" refers to all legumes/pulses, except soybeans (dry), beans (dry), peas, broad beans, peanuts (dry), and spices.

"Other potatoes" refers to all potatoes, except potato, taro, sweet potato, yam, and konjac.

"Other cruciferous vegetables" refers to all cruciferous vegetables, except Japanese radish roots and leaves (including radish), turnip roots and leaves, horseradish, watercress, Chinese cabbage, cabbage, brussels sprouts, kale, *komatsuna* (Japanese mustard spinach), *kyona*, qing-geng-cai, cauliflower, broccoli, and herbs.

"Other composite vegetables" refers to all composite vegetables, except burdock, salsify, artichoke, chicory, endive, *shungiku*, lettuce (including cos lettuce and leaf lettuce), and herbs.

"Other liliaceous vegetables" refers to all liliaceous vegetables, except onion, welsh (including leek), garlic, *nira*, asparagus, multiplying onion, and herbs.

"Other umbelliferous vegetables" refers to all umbelliferous vegetables, except carrot, parsnip, parsley, celery, *mitsuba*; spices, and herbs.

"Other solanaceous vegetables" refers to all solanaceous vegetables, except tomato, pimiento (sweet pepper), and egg plant.

"Other cucurbitaceous vegetables" refers to all cucurbitaceous vegetables, except cucumber (including gherkin), pumpkin (including squash), oriental pickling melon (vegetable), watermelon, melons, and *makuwauri* melon.

"Other mushrooms" refers to all mushrooms, except button mushroom, and *shiitake* mushroom.

"Other vegetables" refers to all vegetables, except potatoes, sugar beet, sugarcane, cruciferous vegetables, composite vegetables, liliaceous vegetables, umbelliferous vegetables, solanaceous vegetables, cucurbitaceous vegetables, spinach, bamboo shoots, okra, ginger, peas (with pods, immature), kidney beans (with pods, immature), green soybeans, mushrooms, spices, and herbs.

"Other citrus fruits" refers to all citrus fruits, except *unshu* orange (pulp), citrus *natsudaidai* (pulp), citrus *natsudaidai* (peel), citrus *natsudaidai* (whole), lemon, orange (including navel orange), grapefruit, lime, and spices.

"Other berries" refers to all berries, except strawberry, raspberry, blackberry, blueberry, cranberry, and huckleberry.

"Other fruits" refers to all fruits, except citrus fruits, apple, Japanese pear, pear, quince, loquat, peach, nectarine, apricot, Japanese plum (including prune), mume plum, cherry, berries, grape, Japanese persimmon, banana, kiwifruit, papaya, avocado, pineapple, guava, mango, passion fruit, date and spices.

"Other oil seeds" refers to all oil seeds, except sunflower seeds, sesame seeds, safflower seeds, cotton seeds, rapeseeds and spices.

"Other nuts" refers to all nuts, except ginkgo nut, chestnut, pecan, almond and walnut.

"Other spices" refers to all spices, except horseradish, *wasabi* (Japanese horseradish) rhizomes, garlic, peppers chili, paprika, ginger, lemon peels, orange peels (including navel orange), *yuzu* (Chinese citron) peels and sesame seeds.

"Other herbs" refers to all herbs, except watercress, *nira*, parsley stems and leaves, celery stems and leaves.

"Other terrestrial mammals" refers to all terrestrial mammals, except cattle and pig.

"Other poultry animals" refers to all poultry, except chicken.

"Other fish" refers to all fish, except salmoniformes, anguilliformes, and perciformes.

"Other aquatic animals" refers to all aquatic animal, except fish, shelled molluscs and crustaceans.

Agenda 2 Designation of Food Additives

Summary

The Ministry of Health, Labour and Welfare is going to newly designate two substances as authorized food additives. They are Isoquinoline and Pyrrole.

Under Article 10 of the Food Sanitation Law, food additives may be used or marketed only when they are designated by the Minister of Health, Labour and Welfare. When use standards or compositional specifications are established for food additives based on Article 11 of the law, those additives are not permitted to be used or marketed unless they meet these standards or specifications.

In response to a request from the Minister, the Committee on Food Additives of the Food Sanitation Council that is established under the Pharmaceutical Affairs and Food Sanitation Council has discussed the adequacy of designation of the two substances as food additives. The conclusion of the committee is outlined below.

Outline of conclusion

The Minister may designate Isoquinoline and Pyrrole based on Article 10 of the Food Sanitation Law, as food additives unlikely to harm human health and establish compositional specifications and other necessary standards for these substances, based on Article 11 of the law (see Attachments 2-1 and 2-2).

Additional Information

Progress in the designation procedure of food additives that have been proven safe by JECFA (Joint FAO/WHO Expert Committee on Food Additives) and that are widely used in countries other than Japan (Attachment 2-3)

Attachment 2-1

Isoquinoline

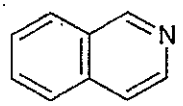
Standard for use

It shall not be used for purposes other than flavoring.

Compositional specifications

Substance name: Isoquinoline

Structural formula:



Molecular formula: C_9H_7N

Mol. Weight: 129.16

Chemical name [CAS number]: Isoquinoline [119-65-3]

Content: Isoquinoline contains not less than 97.0% of isoquinoline (C_9H_7N).

Description: Isoquinoline occurs as a colorless to light yellow liquid or solid having a characteristic odor.

Identification: Determine the infrared absorption spectrum of Isoquinoline, as directed in the Liquid Film Method under Infrared Spectrophotometry, and compare it with the Reference Spectrum. Both spectra exhibit absorptions having about the same intensity at the same wavenumbers. If the sample is a solid, warm in a water bath at 40°C to melt it, and use as the test sample.

Purity:

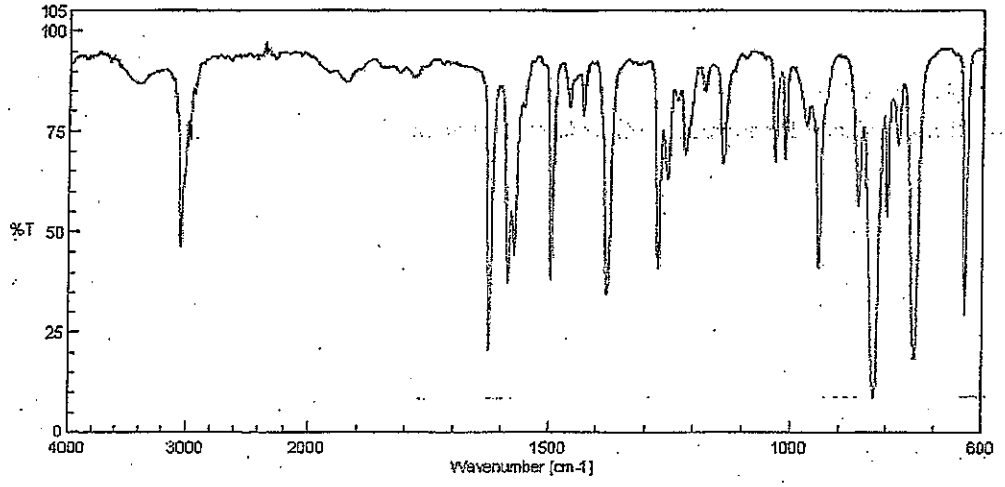
(1) Refractive index n_D^{30}: 1.618–1.624.

(2) Specific gravity d_{30}^{30}: 1.093–1.099.

Assay: Dissolve 0.1 g of Isoquinoline in 1 ml of ethanol (95). Proceed as directed in the Peak Area Percentage Method in the Gas Chromatographic Assay under the Flavor Substance Tests. Use operating conditions (1). Adjust the column temperature by raising from 150°C at a rate of 5°C per minute and maintaining at 230°C for 24 minutes.

Reference Spectrum

Isoquinoline



Attachment 2-2

Pyrrole

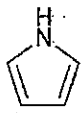
Standard for use

It shall not be used for purposes other than flavoring.

Compositional specifications

Substance name: Pyrrole

Structural formula:



Molecular formula: C_4H_5N

Mol. Weight: 67.09

Chemical name [CAS number]: Pyrrole [109-97-7]

Content: Pyrrole contains not less than 98.0% of pyrrole (C_4H_5N).

Description: Pyrrole occurs as a colorless to yellow transparent liquid having a characteristic odor.

Identification: Determine the infrared absorption spectrum of Pyrrole, as directed in the Liquid Film Method under Infrared Spectrophotometry, and compare it with the Reference Spectrum. Both spectra exhibit absorptions having about the same intensity at the same wavenumbers.

Purity:

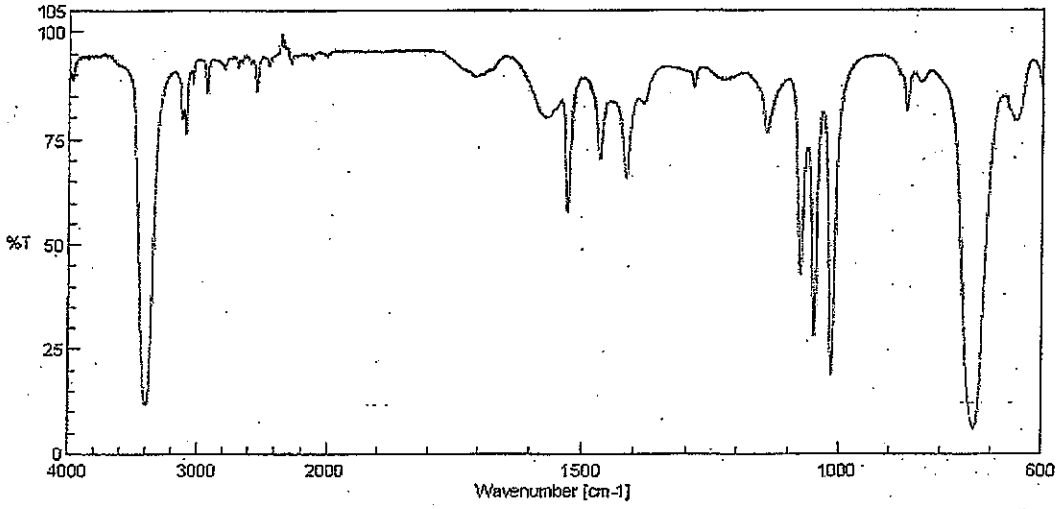
(1) Refractive index n_D^{20}: 1.507–1.511.

(2) Specific gravity d_{25}^{25}: 0.955–0.975.

Assay: Proceed as directed in the Peak Area Percentage Method in the Gas Chromatographic Assay under the Flavor Substance Tests. Use operating conditions (2).

Reference Spectrum

Pyrrole



Attachment 2-3

Progress of evaluation of food additives that have been proven safe and are widely used in the world

May 13, 2011

Substance name	Request for evaluation	Food Safety Commission		MHLW		
		Evaluation by expert committee[1]	Notification of result[2]	Discussion by subcommittee[3]	Closing date for comments[4]	Date of designation as food additives
Isobutanol	21 Nov 2003	24 Mar 2004(fin.)	27 May 2004	23 Apr 2004(fin.)	19 Aug 2004	24 Dec 2004
2-Ethyl-3, (5 or 6)- dimethylpyrazine		3 Mar 2004(fin.)	27 May 2004	8 Apr 2004(fin.)	26 Jul 2004	24 Dec 2004
2,3,5,6-Tetramethylpyrazine		3 Mar 2004(fin.)	27 May 2004	8 Apr 2004(fin.)	26 Jul 2004	24 Dec 2004
Calcium stearate	4 Mar 2004	20 May 2004(fin.)	29 Jul 2004	24 Jun 2004(fin.)	21 Oct 2004	24 Dec 2004
Propanol	21 Nov 2003	24 Mar 2004 20 May 2004 28 Jul 2005(fin.)	9 Sep 2004	26 Aug 2004(fin.)	14 Dec 2004	24 Feb 2005
Nitrous oxide	20 Oct 2003	17 Dec 2003 5 Oct 2004(fin.)	9 Dec 2004	17 Dec 2004(fin.)	19 Feb 2005	22 Mar 2005
Isopropanol	15 Dec 2003	24 Mar 2004 9 Apr 2004 8 Sep 2004 5 Oct 2004(fin.)	9 Dec 2004	28 Oct 2004(fin.)	4 Mar 2005	28 Apr 2005
Hydroxypropyl cellulse	16 Aug 2004	22 Dec 2004(fin.)	10 Mar 2005	24 Feb 2005(fin.)	14 Jun 2005	19 Aug 2005
Isoamylalcohol 2,3,5-Trimethylpyrazine Amylalcohol	5 Nov 2004	14 Jan 2005(fin.)	17 Mar 2005	24 Feb 2005(fin.)	14 Jun 2005	19 Aug 2005
Natamycin	20 Oct 2003	9 Jan 2004 16 Nov 2004 26 Jan 2005(fin.)	6 May 2005	24 Mar 2005(fin.)	7 Sep 2005	28 Nov 2005
Acetaldehyde	21 Nov 2003	3 Mar 2004 9 Apr 2004 27 Apr 2004 23 Feb 2005 13 Apr 2005(fin.)	21 Jul 2005	23 Jul 2005(fin.)	12 Oct 2005	16 May 2006
2-Ethyl-3-methylpyrazine 5-Methylquinoxaline	7 Mar 2005	14 Jul 2005(fin.)	18 Aug 2005	28 Jul 2005(fin.)	19 Dec 2005	16 May 2006
Butanol		14 Jun 2005 22 Jul 2005(fin.)	22 Sep 2005	27 Oct 2005 24 Nov 2005(fin.)	26 Apr 2006	12 Sep 2006
Ammonium alginate Potassium alginate Calcium alginate	28 Mar 2005	2 Dec 2005 14 Dec 2005(fin.)	30 Mar 2006	23 Mar 2006(fin.)	5 Sep 2006	26 Dec 2006
2-Methylbutanol	19 Dec 2005	14 Jul 2006 11 Aug 2006(fin.)	12 Oct 2006	8 Dec 2006 16 Jan 2007(Fin.)	22 May 2007	3 Aug 2007

Substance name	Request for evaluation	Food Safety Commission		MHLW		
		Evaluation by expert committee[1]	Notification of result[2]	Discussion by subcommittee[3]	Closing date for comments[4]	Date of designation as food additives
Isobutyraldehyde	19 Dec 2005	28 Jun 2006 14 Jul 2006 11 Aug 2006 13 Sep 2006 13 Oct 2006(fin.)	7 Dec 2006	8 Dec 2006 16 Jan 2007 (Fin.)	22 May 2007	3 Aug 2007
Butyraldehyde	19 Dec 2005	19 Dec 2006 26 Jan 2007(fin.)	22 Mar 2007	20 Mar 2007(fin.)	27 Aug 2007	26 Oct 2007
Polysorbate 20, 60, 65, 80	8 Oct 2003	29 Oct 2003 27 Apr 2004 28 Jul 2004 23 Mar 2007(fin.)	7 Jun 2007	4 Jul 2007 9 Aug 2007(fin.)	16 Dec 2007	30 Apr 2008
Calcium silicate	15 Aug 2005	28 Feb 2007 23 Mar 2007 17 Apr 2007 29 May 2007(fin.)	26 Jul 2007	9 Aug 2007(fin.)	16 Dec 2007	30 Apr 2008
Calcium ascorbate	3 Oct 2005	23 Mar 2007 17 Apr 2007 29 May 2007 22 Jun 2007(fin.)	23 Aug 2007	9 Aug 2007(fin.)	16 Dec 2007	30 Apr 2008
Nisin	20 Oct 2003	9 Apr 2004 16 Nov 2004 26 Jan 2005 30 Jul 2007 27 Aug 2007(fin.)	31 Jan 2008	26 Sep 2007 24 Oct 2007 28 Feb 2008(fin.) 24 Sep 2008(fin.)	18 Jul 2008	2 Mar 2009
Acetylated distarch adipate Acetylated distarch phosphate Acetylated oxidized starch Starch sodium octenylsuccinate Hydroxypropyl starch Hydroxypropyl distarch phosphate Phosphated distarch phosphate Monostarch phosphate Distarch phosphate Oxidized starch Starch acetate	26 Nov 2004	23 Mar 2005 17 May 2005 27 Aug 2007 28 Sep 2007(fin.)	29 Nov 2007	28 Nov 2007(fin.) 4 Jul 2008(fin.)	29 May 2008	1 Oct 2008
Magnesium hydroxide	9 Mar 2006	22 Jun 2007 30 Jul 2007 27 Aug 2007(fin.)	1 Nov 2007	24 Oct 2007(fin.)	7 Feb 2008	4 Jul 2008

Substance name	Request for evaluation	Food Safety Commission		MHLW		
		Evaluation by expert committee[1]	Notification of result[2]	Discussion by subcommittee[3]	Closing date for comments[4]	Date of designation as food additives
Dimagnesium phosphate	28 Mar 2005	31 May 2006 28 Jun 2006 14 Jul 2006 11 Aug 2006 13 Sep 2006 13 Oct 2006 28 Nov 2006 (under consideration)				
Polyvinylpyrrolidone	20 Jun 2005	13 Sep 2006 13 Oct 2006 28 Nov 2006 19 Dec 2006 26 Jan 2007 (under consideration)				
Magnesium silicate(synthetic)	15 Aug 2005	28 Feb 2007 23 Mar 2007 17 Apr 2007 28 Sep 2009 17 Nov 2009(fin.)	21 Jan 2010	25 Dec 2009(fin)	6 Jun 2010	20 Oct 2010
Sodium alminum silicate	15 Aug 2005	28 Feb 2007 (under consideration)				
Calcium aluminum silicate	15 Aug 2005	28 Feb 2007 (under consideration)				
Calcium saccharin	22 May 2006	27 Aug 2007 28 Sep 2007 26 Oct 2007 (under consideration)				
Ammonium L-glutamate	22 May 2006	15 Jan 2008(fin.)	13 Mar 2008	11 Apr 2008 (fin.)	10 Oct 2008	20 Oct 2010
Sodium stearoyl-2-lactylate	6 Feb 2007	24 Mar 2008 15 Apr 2008(fin.)	10 Jul 2008	4 Jul 2008(fin.)	1 Dec 2008	28 May 2010
Potassium lactate	6 Feb 2007	17 Jun 2008 29 Sep 2008 (under consideration)				
Calcium sorbate	19 Mar 2007	26 Mar 2008 17 Jun 2008 29 Aug 2008(fin.)	20 Nov 2008	25 Nov 2008(fin)	25 Apr 2009	28 May 2010
Valeraldehyde	19 Mar 2007	1 Feb 2008(fin.)	27 Mar 2008	4 Jul 2008(fin.)	1 Dec 2008	4 Jun 2009
Isovaleraldehyde	19 Mar 2007	1 Feb 2008(fin.)	27 Mar 2008	4 Jul 2008(fin.)	1 Dec 2008	4 Jun 2009
2,3-Dimethylpyrazine	7 Feb 2008	15 Apr 2008 26 May 2008(fin.)	31 Jul 2008	24 Sep 2008(fin.)	3 Feb 2009	4 Jun 2009

Substance name	Request for evaluation	Food Safety Commission		MHLW		
		Evaluation by expert committee[1]	Notification of result[2]	Discussion by subcommittee[3]	Closing date for comments[4]	Date of designation as food additives
2,5-Dimethylpyrazine	7 Feb 2008	15 Apr 2008 26 May 2008(fin.)	31 Jul 2008	24 Sep 2008(fin.)	3 Feb 2009	4 Jun 2009
2,6-Dimethylpyrazine	7 Feb 2008	15 Apr 2008 26 May 2008(fin.)	31 Jul 2008	24 Sep 2008(fin.)	3 Feb 2009	4 Jun 2009
2-Ethylpyrazine	22 May 2008	29 Sep 2008(fin.)	27 Nov 2008	22 Oct 2008(fin.)	25 Apr 2009	28 May 2010
2-Methylpyrazine	22 May 2008	29 Sep 2008(fin.)	27 Nov 2008	22 Oct 2008(fin.)	25 Apr 2009	28 May 2010
2-Pentanol	14 Oct 2008	11 Nov 2008(fin.)	22 Jan 2009	28 Apr 2009(fin.)	20 Sep 2009	28 May 2010
2-Methylbutyraldehyde	14 Oct 2008	11 Nov 2008(fin.)	22 Jan 2009	22 Dec 2008(fin.)	29 May 2009	28 May 2010
Propionaldehyde	20 Nov 2008	2 Feb 2009(fin.)	2 Apr 2009	28 Apr 2009(fin.)	20 Sep 2009	28 May 2010
6-Methylquinoline	20 Nov 2008	23 Mar 2009(fin)	21 May 2009	28 Apr 2009(fin.)	20 Sep 2009	28 May 2010
2-Ethyl-5-methylpyrazine	12 Mar 2009	29 Jun 2009 28 Sep 2009(fin.)	9 Oct 2009	25 Dec 2009(fin)	6 Jun 2010	20 Oct 2010
5,6,7,8-Tetrahydroquinoxaline	12 Mar 2009	29 Jun 2009(fin)	27 Aug 2009	3 Sep 2009(fin.)	2 Feb 2010	28 May 2010
3-Methyl-2-butanol	12 Mar 2009	18 May 2009(fin.)	23 Jul 2009	3 Sep 2009(fin.)	2 Feb 2010	28 May 2010
Isopentylamine	12 Aug 2009	7 Sep 2009(fin.)	12 Nov 2009	25 Dec 2009(fin)	6 Jun 2010	20 Oct 2010
Butylamine	10 Sep 2009	20 Oct 2009 17 Nov 2009(fin)	4 Mar 2010	5 Mar 2010(fin)	30 Aug 2010	10 Nov 2010
Phenetylamine	5 Nov 2009	17 Nov 2009(fin)	18 Mar 2010	5 Mar 2010(fin)	30 Aug 2010	11 Nov 2010
Trimethylamine	3 Dec 2009	15 Dec 2009(fin)	29 Jul 2010			
1-Penten-3-ol	2 Feb 2010	23 Feb 2010(fin)	28 Apr 2010	9 Feb 2011(fin)		
3-Methyl-2-butenol	2 Feb 2010	23 Feb 2010(fin)	28 Apr 2010	9 Feb 2011(fin)		
Piperidine	15 Mar 2010	30 Mar 2010(fin)	20 May 2010	23 Jun 2010(fin)	23 Oct 2010	13 Dec 2010
Pyrrolidine	5 Apr 2010	20 Apr 2010(fin)	3 Jun 2010	23 Jun 2010(fin)	23 Oct 2010	13 Dec 2010
2,6-Dimethylpyridine	13 May 2010	2 Jun 2010(fin)	15 Jul 2010	9 Sep 2010(fin)	3 Jan 2011	15 Mar 2011
3-Ethylpyridine	14 Jun 2010	29 Jun 2010 (under consideration)				
5-Ethyl-2-methylpyridine	14 Jun 2010	29 Jun 2010(fin)	26 Aug 2010	9 Sep 2010(fin)	3 Jan 2011	15 Mar 2011
2-(3-Phenylpropyl)pyridine	9 Jul 2010	27 Jul 2010(fin)	7 Oct 2010	22 Dec 2010(fin)	1 Apr 2011	
2,3-Diethyl-5-methylpyrazine	9 Jul 2010	27 Jul 2010(fin)	7 Oct 2010	22 Dec 2010(fin)	1 Apr 2011	
5-methyl-6,7-Dihydro-5*H*-cyclopentapyrazine	12 Aug 2010	31 Aug 2010(fin)	27 Jan 2011	22 Dec 2010(fin)	1 Apr 2011	
Pyrazine	12 Aug 2010	31 Aug 2010(fin)	4 Jan 2011	9 Feb 2011(fin)		
3-Methyl-2-butenal	9 Sep 2010	27 Sep 2010(fin)	27 Jan 2011	9 Feb 2011(fin)		
trans-2-Pentenal	29 Oct 2010	12 Nov 2010 21 Dec 2010 (under consideration)				
Isoquinolin	29 Oct 2010	12 Nov 2010(fin)	3 Feb 2011	11 May 2011(fin)		
2-Ethyl-6-methylpyrazine	6 Dec 2010	21 Dec 2010(fin)	31 Mar 2011			
trans-2-Methyl-2-butenal	4 Jan 2011	18 Jan 2011(fin)				
Pyrrole	4 Jan 2011	18 Jan 2011(fin)	31 Mar 2011	11 May 2011(fin)		
(3-Amino-3-carboxypropyl)dimethylsulfonium chloride	17 Feb 2011					

Substance name	Request for evaluation	Food Safety Commission		MHLW		
		Evaluation by expert committee[1]	Notification of result[2]	Discussion by subcommittee[3]	Closing date for comments[4]	Date of designation as food additives
8-apo-8'-carotenal	19 Apr 2011					
Carmine	19 Apr 2011					
Canthaxanthin	19 Apr 2011					
Sodium aluminium phosphate,acidic	19 Apr 2011					
Calcium acetate	19 Apr 2011					
Calcium oxide	19 Apr 2011					
Potassium sulfate	19 Apr 2011					
Triethyl citrate	19 Apr 2011					
Isopropanol	19 Apr 2011					

flavouring agents

1. Date when discussion was conducted by the expert committee.
2. Date when the evaluation result was filed with the MHLW.
3. Date when discussion was conducted by the Subcommittee on Food Additives under the Pharmaceutical Affairs and Food Sanitation Council.
4. Closing date for comment on WTO notification

Agenda3

Substances that Are Scheduled to Undergo Risk Assessment in Fiscal 2011

In 2006 Japan introduced a positive list system for pesticides, feed additives, and veterinary drugs (hereafter referred to as "compounds"). This system is intended to basically prohibit the distribution of foods that contain compounds exceeding a certain level in Japanese market. At the introduction of the system, Japan provisionally established maximum residue limits (MRLs) for 758 compounds. These provisional MRLs were mainly based on overseas standards including Codex MRLs.

We are working to review the MRLs on the basis of risk assessment reports of the Food Safety Commission (FSC), according to yearly programs. We plan to ask the FSC to carry out risk assessment for 211 compounds in fiscal 2011 (see the accompanying list).

As the result of review, current MRLs for the 211 compounds will be withdrawn if sufficient data required to retain the provisional MRLs as permanent is not available. If you would like the current MRLs to be kept or you want Japan to set MRLs of the same levels as your country's MRLs, we recommend that you promptly contact the Standards and Evaluation Division to have preliminary discussion. You are requested to prepare data shown at the following website before you contact us. (http://www.mhlw.go.jp/english/topics/foodsafety/residue/index.html)

We add that separately from this document, we will request necessary information to countries based on whose tolerances the provisional MRLs were set.

When we have decided to revise current MRLs, we will give explanation at a future FSG meeting and will notify the WTO in accordance with the SPS Agreement.

You can access current MRLs for the 758 compounds at
http://www.ffcr.or.jp/zaidan/FFCRHOME.nsf/pages/MRLs-p

Attachment

No	Substance Name	Use
1	2,2-DPA	Pesticide
2	2,4-DB	Pesticide
3	2-ACETYLAMINO-5-NITROTHIAZOLE	Veterinary drug
4	2-PHENYLPHENOL	Pesticide
5	4-AMINOPYRIDINE	Pesticide
6	4-CPA	Pesticide
7	5-(PROPYLSULPHONYL)-1-H-BENZIMIDAZOLE-2-AMINE	Veterinary drug
8	ACETYLISOVALERYLTYLOSIN	Veterinary drug
9	ACIBENZOLAR-S-METHYL	Pesticide
10	ACRINATHRIN	Pesticide
11	AKLOMIDE	Veterinary drug
12	ALANYCARB	Pesticide
13	ALIPHATIC ALCOHOL ETHOXYLATES	Veterinary drug
14	ALTRENOGEST	Veterinary drug
15	AMINOPYRALID	Pesticide
16	AMPROLIUM	Veterinary drug/Feed additive
17	ASULAM	Pesticide
18	ATRAZINE	Pesticide
19	AZACONAZOLE	Pesticide
20	AZAMETHIPHOS	Pesticide/Veterinary drug
21	BACITRACIN	Veterinary drug/Feed additive
22	BAQUILOPRIM	Veterinary drug
23	BENSULIDE	Pesticide
24	BETAMETHASONE	Veterinary drug
25	BIORESMETHRIN	Pesticide
26	BIPHENYL	Pesticide
27	BROMOPHOS	Pesticide
28	BROMOPROPYLATE	Pesticide
29	BUTAFENACIL	Pesticide
30	BUTYLHYDROXYANISOL	Feed additive
31	CANTHAXANTHIN	Feed additive
32	CARBADOX (including QCA)	Veterinary drug
33	CARBARYL	Pesticide/Veterinary drug
34	CARBENDAZIM, BENOMYL, THIOPHANATE, THIOPHANATE-METHYL (as total)	Pesticide
35	CARFENTRAZONE-ETHYL	Pesticide
36	CEFACETRILE	Veterinary drug
37	CHLORFLUAZURON	Pesticide
38	CHLORONEB	Pesticide
39	CHLOROTHALONIL	Pesticide/Veterinary drug
40	CHLORPROMAZINE	Veterinary drug
41	CHLORPROPHAM	Pesticide
42	CHLORPYRIFOS-METHYL	Pesticide
43	CHLORSULFURON	Pesticide
44	CLETHODIM	Pesticide
45	CLOFENTEZINE	Pesticide
46	CLOSANTEL	Veterinary drug

47	CYANAZINE	Pesticide
48	CYCLOXYDIM	Pesticide
49	CYFLUTHRIN	Pesticide/Veterinary drug
50	CYHALOTHRIN	Pesticide/Veterinary drug
51	CYPERMETHRIN	Pesticide/Veterinary drug
52	DAMINOZIDE	Pesticide
53	DECOQUINATE	Veterinary drug/Feed additive
54	DELTAMETHRIN, TRALOMETHRIN (as total)	Pesticide/Veterinary drug
55	DEXAMETHASONE	Veterinary drug
56	DIAZINON	Pesticide/Veterinary drug
57	DIBUTYLHYDROXYTOLUENE	Feed additive
58	DICLAZURIL	Veterinary drug
59	DICLOFOP-METHYL	Pesticide
60	DIETHOFENCARB	Pesticide
61	DIETHYLSTILBESTROL	Veterinary drug
62	DIFENZOQUAT	Pesticide
63	DIHYDROSTREPTOMYCIN, STREPTOMYCIN (as total)	Pesticide/Veterinary drug
64	DIMETHIRIMOL	Pesticide
65	DIMETHOATE	Pesticide
66	DIMETRIDAZOLE	Veterinary drug
67	DIPHENAMID	Pesticide
68	DIPHENYLAMINE	Pesticide
69	DIQUAT	Pesticide
70	DITHIOCARBAMATES	Pesticide
71	DIURON	Pesticide
72	DODINE	Pesticide
73	EMAMECTIN BENZOATE	Pesticide/Veterinary drug
74	ENDOTHAL	Pesticide
75	EPOXICONAZOLE	Pesticide
76	EPTC	Pesticide
77	ETHEPHON	Pesticide
78	ETHOXYQUIN	Pesticide/Veterinary drug
79	EUGENOL	Veterinary drug
80	FENARIMOL	Pesticide
81	FENITROTHION	Pesticide/Veterinary drug
82	FENOBUCARB	Pesticide/Veterinary drug
83	FENOXAPROP-ETHYL	Pesticide
84	FENOXYCARB	Pesticide
85	FENPROPATHRIN	Pesticide
86	FENPROSTALENE	Veterinary drug
87	FENVALERATE	Pesticide/Veterinary drug
88	FLAMPROP-METHYL	Pesticide
89	FLUAZIFOP	Pesticide
90	FLUAZURON	Veterinary drug
91	FLUCARBAZONE SODIUM	Pesticide
92	FLUCYTHRINATE	Pesticide
93	FLUMETHRIN	Pesticide/Veterinary drug
94	FLUMICLORAC PENTYL	Pesticide
95	FLUOMETURON	Pesticide
96	FLUOROIMIDE	Pesticide
97	FLUQUINCONAZOLE	Pesticide
98	FLUSULFAMIDE	Pesticide

99	FLUTHIACET-METHYL	Pesticide
100	FOMESAFEN	Pesticide
101	FORCHLORFENURON	Pesticide
102	FOSTHIAZATE	Pesticide
103	FTHALIDE	Pesticide
104	FURATHIOCARB	Pesticide
105	GIBBERELLIN	Pesticide
106	HALOFUGINONE	Veterinary drug/Feed additive
107	HALOXON	Veterinary drug
108	HEXACONAZOLE	Pesticide
109	HEXYTHIAZOX	Pesticide
110	IMAZAMOX-AMMONIUM	Pesticide
111	IMAZAPYR	Pesticide
112	IODOSULFURON METHYL	Pesticide
113	IOXYNIL	Pesticide
114	IPRODIONE	Pesticide
115	ISOMETAMIDIUM	Veterinary drug
116	ISOURON	Pesticide
117	ISOXATHION	Pesticide
118	KASUGAMYCIN	Pesticide
119	LAIDLOMYCIN	Veterinary drug
120	LASALOCID	Veterinary drug/Feed additive
121	LENACIL	Pesticide
122	LINURON	Pesticide
123	MALEIC HYDRAZIDE	Pesticide
124	MCPB	Pesticide
125	METHIDATHION	Pesticide
126	METHOMYL, THIODICARB (as total)	Pesticide
127	METHYLBENZOQUATE	Veterinary drug
128	METOSERPATE HYDROCHLORIDE	Veterinary drug
129	METRONIDAZOLE	Veterinary drug
130	METSULFURON-METHYL	Pesticide
131	MOXIDECTIN	Veterinary drug
132	NAPROPAMIDE	Pesticide
133	NEOMYCIN	Veterinary drug
134	NEQUINATE	Veterinary drug
135	NICARBAZIN	Veterinary drug/Feed additive
136	NICOSULFURON	Pesticide
137	NICOTINE	Pesticide
138	NITARSONE	Veterinary drug
139	NITENPYRAM	Pesticide
140	NITROTHAL-ISOPROPYL	Pesticide
141	NORGESTOMET	Veterinary drug
142	OMETHOATE	Pesticide
143	ORYZALIN	Pesticide
144	OXACILLIN	Veterinary drug
145	OXADIXYL	Pesticide
146	OXAMYL	Pesticide
147	OXINE-COPPER	Pesticide
148	OXYCARBOXIN	Pesticide
149	OXYTETRACYCLINE, CHLORTETRACYCLINE, TETRACYCLINE (as total)	Pesticide/Veterinary drug/Feed additive
150	PERMETHRIN	Pesticide/Veterinary drug

151	PHENOTHRIN	Pesticide/Veterinary drug
152	PICLORAM	Pesticide
153	PINDONE	Pesticide
154	PIPERONYL BUTOXIDE	Pesticide/Veterinary drug
155	PIRIMIPHOS-METHYL	Pesticide
156	POLYMYXINE B	Veterinary drug
157	POLYOXINS	Pesticide
158	PREDNISOLONE	Veterinary drug
159	PROHEXADIONE-CALCIUM	Pesticide
160	PROMETRYN	Pesticide
161	PROPANIL	Pesticide
162	PROPOXUR	Pesticide/Veterinary drug
163	PROSULFURON	Pesticide
164	PYRACLOFOS	Pesticide
165	PYRAZOLYNATE	Pesticide
166	PYRITHIOBAC-SODIUM	Pesticide
167	QUINCLORAC	Pesticide
168	QUINTOZENE	Pesticide
169	RESMETHRIN	Pesticide
170	RIMSULFURON	Pesticide
171	RONIDAZOLE	Veterinary drug
172	ROXARSONE	Veterinary drug
173	SALINOMYCIN	Veterinary drug/Feed additive
174	SARAFLOXACIN	Veterinary drug
175	SEMDURAMICIN	Veterinary drug/Feed additive
176	SETHOXYDIM	Pesticide
177	SIMAZINE	Pesticide
178	SODIUM TCA	Pesticide
179	SPECTINOMYCIN	Veterinary drug
180	SULFABROMOMETHAZINE SODIUM	Veterinary drug
181	SULFACHLORPYRIDAZINE	Veterinary drug
182	SULFADIAZINE	Veterinary drug
183	SULFADIMIDINE	Veterinary drug
184	SULFAMERAZINE	Veterinary drug
185	SULFANITRAN	Veterinary drug
186	SULFAPYRIDINE	Veterinary drug
187	SULFATROXAZOLE	Veterinary drug
188	SULPROFOS	Pesticide
189	TEBUTHIURON	Pesticide
190	TECNAZENE	Pesticide
191	TEFLUBENZURON	Pesticide/Veterinary drug
192	TEFLUTHRIN	Pesticide
193	TERBACIL	Pesticide
194	TERBUTRYN	Pesticide
195	TETRACHLORVINPHOS	Pesticide/Veterinary drug
196	THIFENSULFURON-METHYL	Pesticide
197	THIOMETON	Pesticide
198	TOLCLOFOS-METHYL	Pesticide
199	TRALKOXYDIM	Pesticide
200	TRENBOLONE ACETATE	Veterinary drug
201	TRIBENURON-METHYL	Pesticide
202	TRICLABENDAZOLE	Veterinary drug
203	TRIDEMORPH	Pesticide
204	TRIFLOXYSULFURON	Pesticide

205	TRIFLUMURON	Pesticide/Veterinary drug
206	TRIFORINE	Pesticide
207	TRIPELENNAMINE	Veterinary drug
208	VAMIDOTHION	Pesticide
209	VIRGINIAMYCIN	Veterinary drug/Feed additive
210	WARFARIN	Pesticide/Veterinary drug
211	ZERANOL	Veterinary drug