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Report Name: National Standard for Use of Nutritional Fortification
Substances in Foods

Country: China - People's Republic of

Post: Beijing

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Report Highlights:

On March 15, 2012, the People's Republic of China (PRC) National Health Commission released National Food Safety Standard for Use of Nutritional Fortification Substances in Foods (GB14880-2012), which entered into force on January 1, 2013. This report contains an unofficial translation of the standard. It is being published and shared by FAS China now owing to its relevance for several commodity sectors attempting to register as part of the PRC's Decree 248 facility registration requirements.

BEGIN TRANSLATION

Foreword

This standard replaces GB14880-1994 Sanitation Standard for the Use of Nutritional Fortification Substances in Foods.

Compared with GB 14880-1994, the main changes in this standard are as follows:

- Changed the name of the standard to National Food Safety Standard for the Use of Nutritional Fortification Substances in Foods,
- Added Announcement No. 1 of the Ministry of Health from 1997 to 2012 and relevant provisions on nutritional fortifiers in Appendix B of GB 2760-1996,
- Added terms and definitions,
- Added main purpose of nutritional fortification, requirements for the use of nutritional fortification substances, and requirements for selection of fortifiable food categories,
- Adjusted and merged variety, scope, and amount for using some of nutritional fortification substances based on risk assessment, deleted some food categories that are not suitable for fortification with combination of the food categories (names) in this standard,
- Listed sources of nutrient fortification compounds that are allowed to be used,
- Added a list of sources of nutritional fortification compounds that can be used in special dietary foods, as well as scope and amount for using some of nutritional components,
- Added descriptions of food categories (names),
- Removed Appendix A: Implementation Rules of Sanitation Standards for Use of Food Nutrition Fortification Substances from the previous standard,
- Use of nutritional fortification substances in health food and use of iodine in edible salt shall be managed in accordance with relevant national standards or regulations.

1. Scope

This standard specifies the main purpose of food nutritional fortification, requirements for the use of nutritional fortification substances, selection requirements for the types of foods that can be fortified, and regulations for the use of nutritional fortification substances.

This standard is applicable to the use of nutritional fortification substances in foods, unless otherwise specified by national laws, regulations, and/or standards.

2. Terms and Definitions

2.1 Nutritional fortification substances

Natural or artificially synthesized nutrients and other nutrients added into foods to increase its nutritional components (values).

2.2 Nutrients

Substances in foods that have specific physiological functions and can maintain growth, development, activity, reproduction, and metabolism of the body, including proteins, fats, carbohydrates, minerals, vitamins, etc.

2.3 Other nutritional components

Other food ingredients with nutritional and/or physiological functions other than nutrients.

2.4 Special dietary foods

Specially processed or formulated foods to meet special physical or physiological conditions and/or special dietary needs in diseases, disorders, and other conditions. The content of nutrients and/or other nutritional components in this type of food is significantly different from that of comparable common foods.

3. The Main Purpose of Nutritional Fortification

3.1 Nutritional fortification compensates nutrients losses caused by processing and storage of foods.

3.2 Within a certain geographical range, when a considerable number of people are at low or deficient levels of certain nutrients, nutritional fortification can improve health effects caused by low or deficient intake levels.

3.3 Some populations may experience low or insufficient levels of certain nutrients due to dietary habits and/or other reasons, nutritional fortification can improve the health effects caused by low or insufficient intake levels.

3.4 It can supplement and adjust content of nutrients and/or other nutrients in special dietary foods.

4. Requirements for Using Nutritional Fortification Substances

4.1 The use of nutritional fortification substances should not lead to excessive or uneven intake of nutrients and other nutrients by the population after consumption, nor should it lead to abnormal metabolism of any nutrients and other nutrients.

4.2 The use of nutritional fortification substances should not encourage or guide food consumption patterns that contradict national nutrition policies.

4.3 Nutritional fortification substances added to foods should be able to maintain stable quality under specific storage, transportation, and consumption conditions.

4.4 Nutritional fortification substances added to foods should not cause significant adverse changes in general characteristics of the foods, such as color, taste, odor, cooking characteristics, etc.

4.5 Consumers should not be misled or deceived by using nutritional fortification substances to exaggerate the content or effect of a certain nutritional component in foods.

5. Selection Requirements for Fortifiable Foods

5.1 Foods that are commonly consumed and easily accessible by the target population should be selected for fortification.

5.2 Food consumption as a fortification carrier should be relatively stable.

5.3 Foods that are advocated to reduce consumption in dietary guidelines of China should not be used as a carrier for fortification.

6. Regulations on the Use of Nutritional Fortification Substances

6.1 The scope and amount of nutritional fortification substances used in foods should comply with the requirements of Appendix A, and allowable sources of compounds should comply with provisions of Appendix B.

6.2 The content of nutrients and other nutritional components in special dietary foods shall be in accordance with corresponding national food safety standards. The allowable sources of nutritional fortification substances and compounds shall comply with the requirements of Appendix C of this standard and/or corresponding product standards.

7. Food Category (Name) Description

The descriptions of food categories (names) are used to define usage scopes of nutritional fortification substances and are only applicable to this standard, see Appendix D. If a certain nutritional fortification substance is allowed to be applied to a certain food category (name), it is allowed to be applied to all categories of foods under that category, unless otherwise specified.

8. Quality Standards for Nutritional Fortification Substances

Source of nutritional fortification compounds used in accordance with this standard should meet corresponding quality specification requirements.

Appendix A: Regulations on Use of Food Nutritional Fortification Substances

The regulations for the food nutritional fortification substances used in foods are as shown in Table A.1.

Table A.1: Allowable Varieties, Scopes^a and Usage Amount of Nutritional Fortification Substances

| Nutritional fortificatoin Substance | Food classification number | Food category (name) | Use amount |
|-------------------------------------|----------------------------|---|--------------------------|
| Vitamins | | | |
| Vitamin A | 01.01.03 | Modified milk | 600 µg/kg~1 000 µg/kg |
| | 01.03.02 | Modified milk powder (excluding milk powder for children, pregnant women, and postpartum women) | 3 000 µg/kg~9 000 µg/kg |
| | | Modified milk powder (for children only) | 1 200 µg/kg~7 000 µg/kg |
| | | Formulated milk powder (for pregnant and postpartum women only) | 2 000 µg/kg~10 000 µg/kg |
| | 02.01.01.01 | Vegetable oil | 4 000 µg/kg~8 000 µg/kg |
| | 02.02.01.02 | Margarine and similar products | 4 000 µg/kg~8 000 µg/kg |
| | 03.01 | Ice cream and popsicle | 600 µg/kg~1 200 µg/kg |
| | 04.04.01.07 | Soybean powder, soybean milk powder | 3 000 µg/kg~7 000 µg/kg |
| | 04.04.01.08 | Soybean milk | 600 µg/kg~1 400 µg/kg |
| | 06.02.01 | Rice | 600 µg/kg~1 200 µg/kg |
| | 06.03.01 | Wheat flour | 600 µg/kg~1 200 µg/kg |
| | 06.06 | Instant grains, including rolled oats (flakes) | 2 000 µg/kg~6 000 µg/kg |
| | 07.02.02 | Western pastry | 2 330 µg/kg~4 000 µg/kg |
| | 07.03 | Biscuit | 2 330 µg/kg~4 000 µg/kg |
| | 14.03.01 | Milk containing beverages | 300 µg/kg~1 000 µg/kg |
| | 14.06 | Solid beverages | 4 000 µg/kg~17 000 µg/kg |
| | 16.01 | Jelly | 600 µg/kg~1 000 µg/kg |
| 16.06 | Puffed foods | 600 µg/kg~1 500 µg/kg | |
| β- Carotene | 14.06 | Solid beverages | 3 mg/kg~6 mg/kg |
| Vitamin D | 01.01.03 | Modified milk | 10 µg/kg~40 µg/kg |
| | 01.03.02 | Modified milk powder (excluding milk powder for children, pregnant women, and postpartum women) | 63 µg/kg~125 µg/kg |
| | | Modified milk powder (for children only) | 20 µg~112 µg/kg |
| | | Modified milk powder (for pregnant and postpartum women only) | 23 µg/kg~112 µg/kg |
| | 02.02.01.02 | Margarine and similar products | 125 µg/kg~156 µg/kg |
| | 03.01 | Ice cream and popsicle | 10 µg/kg~20 µg/kg |
| | 04.04.01.07 | Soybean powder, soybean milk powder | 15 µg/kg~60 µg/kg |
| 04.04.01.08 | Soybean milk | 3 µg/kg~15 µg/kg | |

Table A.1: (Continued)

| Nutritional fortification substance | Food classification number | Food category (name) | Use amount |
|--|-----------------------------------|---|-------------------------|
| Vitamin D | 06.05.02.03 | Lotus root powder | 50 µg/kg~100 µg/kg |
| | 06.06 | Instant grains, including rolled oats (flakes) | 12.5 µg/kg ~37.5 µg/kg |
| | 07.03 | Biscuit | 16.7 µg/kg~33.3 µg/kg |
| | 07.05 | Other bakery products | 10 µg/kg~70 µg/kg |
| | 14.02.03 | Fruit and vegetable juice (meat) beverages (including fermented products, etc.) | 2 µg/kg~10 µg/kg |
| | 14.03.01 | Milk containing beverages | 10 µg/kg~40 µg/kg |
| | 14.04.02.02 | Flavored beverages | 2 µg/kg~10 µg/kg |
| | 14.06 | Solid beverages | 10 µg/kg~20 µg/kg |
| | 16.01 | Jelly | 10 µg/kg~40 µg/kg |
| | 16.06 | Puffed foods | 10 µg/kg~60 µg/kg |
| Vitamin E | 01.01.03 | Modified milk | 12 mg/kg~50 mg/kg |
| | 01.03. 02 | Modified milk powder (excluding milk powder for children, pregnant women, and postpartum women) | 100 mg/kg~310 mg/kg |
| | | Modified milk powder (for children only) | 10 mg/kg~60 mg/kg |
| | | Modified milk powder (for pregnant and postpartum women only) | 32 mg/kg~156 mg/kg |
| | 02.01.01.01 | Vegetable oil | 100 mg/kg~180 mg/kg |
| | 02. 02. 01.02 | Margarine and similar products | 100 mg/kg~180 mg/kg |
| | 04.04.01.07 | Soybean powder, soybean milk powder | 30 mg/kg~70 mg/kg |
| | 04.04.01.08 | Soybean milk | 5 mg/kg~15 mg/kg |
| | 05.02.01 | Gel-based candy | 1 050 mg/kg~1 450 mg/kg |
| | 06.06 | Instant grains, including rolled oats (flakes) | 50 mg/kg~125 mg/kg |
| | 14.0 | Beverages (excluding varieties involved in 14.01,14.06) | 10 mg/kg~40 mg/kg |
| | 14.06 | Solid beverages | 76 mg/kg~180 mg/kg |
| | 16.01 | Jelly | 10 mg/kg~70 mg/kg |
| Vitamin K | 01.03.02 | Modified milk powder (for children only) | 420 µg/kg ~750 µg/kg |
| | | Modified milk powder (for pregnant and postpartum women only) | 340 µg/kg ~680 µg/kg |
| Vitamin B ₁ | 01.03.02 | Modified milk powder (for children only) | 1.5 mg/kg~14 mg/kg |
| | | Modified milk powder (for pregnant and postpartum women only) | 3 mg/kg~17 mg/kg |
| | 04.04.01.07 | Soybean powder, soybean milk powder | 6 mg/kg~15 mg/kg |
| | 04.04.01.08 | Soybean milk | 1 mg/kg~3 mg/kg |
| | 05.02.01 | Gel-based candy | 16 mg/kg~33 mg/kg |
| | 06.02 | Rice and its products | 3 mg/kg~5 mg/kg |
| 06.03 | Wheat flour and its products | 3 mg/kg~5 mg/kg | |

Table A.1: (Continued)

| Nutritional fortification substance | Food classification number | Food category (name) | Use amount |
|--|-----------------------------------|---|----------------------|
| Vitamin B ₁ | 06.04 | Coarse grains flour and its products | 3 mg/kg~5 mg/kg |
| | 06.06 | Instant grains, including rolled oats (flakes) | 7.5 mg/kg~17.5 mg/kg |
| | 07.01 | Bread | 3 mg/kg~5 mg/kg |
| | 07.02.02 | Western pastry | 3 mg/kg~6 mg/kg |
| | 07.03 | Biscuit | 3 mg/kg~6 mg/kg |
| | 14.03.01 | Milk containing beverages | 1 mg/kg~2 mg/kg |
| | 14.04.02.02 | Flavored beverages | 2 mg/kg~3 mg/kg |
| | 14.06 | Solid beverages | 9 mg/kg~22 mg/kg |
| | 16.01 | Jelly | 1 mg/kg~7 mg/kg |
| Vitamin B ₂ | 01.03.02 | Modified milk powder (for children only) | 8 mg/kg~14 mg/kg |
| | | Modified milk powder (for pregnant and postpartum women only) | 4 mg/kg~22 mg/kg |
| | 04.04.01.07 | Soybean powder, soybean milk powder | 6 mg/kg~15 mg/kg |
| | 04.04.01.08 | Soybean milk | 1 mg/kg~3 mg/kg |
| | 05.02.01 | Gel-based candy | 16 mg/kg~33 mg/kg |
| | 06.02 | Rice and its products | 3 mg/kg~5 mg/kg |
| | 06.03 | Wheat flour and its products | 3 mg/kg~5 mg/kg |
| | 06.04 | Coarse grains flour and its products | 3 mg/kg~5 mg/kg |
| | 06.06 | Instant grains, including rolled oats (flakes) | 7.5 mg/kg~17.5 mg/kg |
| | 07.01 | Bread | 3 mg/kg~5 mg/kg |
| | 07.02.02 | Western pastry | 3.3 mg/kg~7.0 mg/kg |
| | 07.03 | Biscuit | 3.3 mg/kg~7.0 mg/kg |
| | 14.03.01 | Milk containing beverages | 1 mg/kg~2 mg/kg |
| | 14.06 | Solid beverages | 9 mg/kg~22 mg/kg |
| | 16.01 | Jelly | 1 mg/kg~7 mg/kg |
| Vitamin B ₆ | 01.03.02 | Modified milk powder (excluding milk powder for children and for pregnant and postpartum women) | 8 mg/kg~16 mg/kg |
| | | Modified milk powder (for children only) | 1 mg/kg~7 mg/kg |
| | | Modified milk powder (for pregnant and postpartum women only) | 4 mg/kg~22 mg/kg |
| | 06.06 | Instant grains, including rolled oats (flakes) | 10 mg/kg~25 mg/kg |
| | 07.03 | Biscuit | 2 mg/kg~5 mg/kg |
| | 07.05 | Other bakery products | 3 mg/kg~15 mg/kg |
| | 14.0 | Beverages (excluding varieties in 14.01,14.06) | 0.4 mg/kg~1.6 mg/kg |
| | 14.06 | Solid beverages | 7 mg/kg~22 mg/kg |
| 16.01 | Jelly | 1 mg/kg~7 mg/kg | |

Table A.1: (Continued)

| Nutritional fortification substance | Food classification number | Food category (name) | Use amount |
|--|-----------------------------------|---|-------------------------|
| Vitamin B ₁₂ | 01.03.02 | Modified milk powder (for children only) | 10 µg/kg~30 µg/kg |
| | | Modified milk powder (for pregnant and postpartum women only) | 10 µg/kg~66 µg/kg |
| | 06.06 | Instant grains, including rolled oats (flakes) | 5 µg/kg~10 µg/kg |
| | 07.05 | Other bakery products | 10 µg/kg~70 µg/kg |
| | 14.0 | Beverages (excluding varieties in 14.01 and 14.06) | 0.6 µg/kg~1.8 µg/kg |
| | 14.06 | Solid beverages | 10 µg/kg~66 µg/kg |
| | 16.01 | Jelly | 2 µg/kg~6 µg/kg |
| Vitamin C | 01.02.02 | Flavored modified milk | 120 mg/kg~240 mg/kg |
| | 01.03.02 | Modified milk powder (excluding milk powder for children and for pregnant and postpartum women) | 300 mg/kg~1 000 mg/kg |
| | | Modified milk powder (for children only) | 140 mg/kg~800 mg/kg |
| | | Modified milk powder (for pregnant and postpartum women only) | 1 000 mg/kg~1 600 mg/kg |
| | 04.01.02.01 | Canned fruits | 200 mg/kg~400 mg/kg |
| | 04.01.02.02 | Fruit puree | 50 mg/kg~100 mg/kg |
| | 04.04.01.07 | Soybean powder, soybean milk powder | 400 mg/kg~700 mg/kg |
| | 05.02.01 | Gel-based candy | 630 mg/kg~13 000 mg/kg |
| | 05.02.02 | Candies other than gel-based candies | 1 000 mg/kg~6 000 mg/kg |
| | 06.06 | Instant grains, including rolled oats (flakes) | 300 mg/kg~750 mg/kg |
| | 14.02.03 | Fruit and vegetable juice (meat) beverages (including fermented products, etc.) | 250 mg/kg~500 mg/kg |
| | 14.03.01 | Milk containing beverages | 120 mg/kg~240 mg/kg |
| | 14.04 | Water-based flavored beverages | 250 mg/kg~500 mg/kg |
| | 14.06 | Solid beverages | 1 000 mg/kg~2 250 mg/kg |
| 16.01 | Jelly | 120 mg/kg~240 mg/kg | |
| Nicotinic acid | 01.03.02 | Modified milk powder (for children only) | 23 mg/kg~47 mg/kg |
| | | Modified milk powder (for pregnant and postpartum women only) | 42 mg/kg~100 mg/kg |
| | 04.04.01.07 | Soybean powder, soybean milk powder | 60 mg/kg~120 mg/kg |
| | 04.04.01.08 | Soybean milk | 10 mg/kg~30 mg/kg |
| | 06.02 | Rice and its products | 40 mg/kg~50 mg/kg |
| | 06.03 | Wheat flour and its products | 40 mg/kg~50 mg/kg |
| | 06.04 | Coarse grains flour and its products | 40 mg/kg~50 mg/kg |
| | 06.06 | Instant grains, including rolled oats (flakes) | 75 mg/kg~218 mg/kg |
| | 07.01 | Bread | 40 mg/kg~50 mg/kg |
| 07.03 | Biscuit | 30 mg/kg~60 mg/kg | |

Table A.1: (Continued)

| Nutritional fortification substance | Food classification number | Food category (name) | Use amount |
|--|-----------------------------------|---|-------------------------|
| Nicotinic acid | 14.0 | Beverages (excluding varieties in 14.01,14.06) | 3 mg/kg~18 mg/kg |
| | 14.06 | Solid beverages | 110 mg/kg~330 mg/kg |
| Folic acid | 01.01.03 | Modified milk (for pregnant and postpartum women only) | 400 µg/kg~1 200 µg/kg |
| | 01.03.02 | Modified milk powder (excluding milk powder for children and for pregnant and postpartum women) | 2 000µg/kg~5 000µg/kg |
| | | Modified milk powder (for children only) | 420 µg/kg~3 000 µg/kg |
| | | Modified milk powder (for pregnant and postpartum women only) | 2 000 µg/kg~8 200 µg/kg |
| | 06.02.01 | Rice (only for Tasty White Rice) | 1 000 µg/kg~3 000 µg/kg |
| | 06.03.01 | Wheat flour | 1 000 µg/kg~3 000 µg/kg |
| | 06.06 | Instant grains, including rolled oats (flakes) | 1 000 µg/kg~2 500 µg/kg |
| | 07.03 | Biscuit | 390 µg/kg~780 µg/kg |
| | 07.05 | Other bakery products | 2 000 µg/kg~7 000 µg/kg |
| | 14.02.03 | Fruit and vegetable juice (meat) beverages (including fermented products, etc.) | 157 µg/kg~313 µg/kg |
| | 14.06 | Solid beverages | 600 µg/kg~6 000 µg/kg |
| | 16.01 | Jelly | 50 µg/kg~100 µg/kg |
| Pantothenic acid | 01.03.02 | Modified milk powder (for children only) | 6 mg/kg~60 mg/kg |
| | | Modified milk powder (for pregnant and postpartum women only) | 20 mg/kg~80 mg/kg |
| | 06.06 | Instant grains, including rolled oats (flakes) | 30 mg/kg~50 mg/kg |
| | 14.04.01 | Carbonated beverages | 1.1 mg/kg~2. 2 mg/kg |
| | 14.04.02.02 | Flavored beverages | 1.1 mg/kg~2. 2 mg/kg |
| | 14.05.01 | Tea beverages | 1.1 mg/kg~2. 2 mg/kg |
| | 14.06 | Solid beverages | 22 mg/kg~80 mg/kg |
| 16.01 | Jelly | 2 mg/kg~5 mg/kg | |
| Biotin | 01.03.02 | Modified milk powder (for children only) | 38µg/kg~76µg/kg |
| choline | 01.03.02 | Modified milk powder (for children only) | 800 mg/kg~1 500 mg/kg |
| | | Modified milk powder (for pregnant and postpartum women only) | 1 600 mg/kg~3 400 mg/kg |
| | 16.01 | Jelly | 50 mg/kg~100 mg/kg |
| Inositol | 01.03.02 | Modified milk powder (for children only) | 210 mg/kg~250 mg/kg |
| | 14.02.03 | Fruit and vegetable juice (meat) beverages (including fermented products, etc.) | 60 mg/kg~120 mg/kg |
| | 14.04.02.02 | Flavored beverages | 60 mg/kg~120 mg/kg |

Table A.1: (Continued)

| Nutritional fortification substance | Food classification number | Food category (name) | Use amount |
|-------------------------------------|----------------------------|---|--------------------------|
| Minerals | | | |
| Iron | 01.01.03 | Modified milk | 10 mg/kg~20 mg/kg |
| | 01.03.02 | Modified milk powder (excluding milk powder for children and for pregnant and postpartum women) | 60 mg/kg~200 mg/kg |
| | | Modified milk powder (for children only) | 25 mg/kg~135 mg/kg |
| | | Modified milk powder (for pregnant and postpartum women only) | 50 mg/kg~280 mg/kg |
| | 04.04.01.07 | Soybean powder, soybean milk powder | 46 mg/kg~80 mg/kg |
| | 05.02.02 | Candies other than gel-based candies | 600 mg/kg~1 200 mg/kg |
| | 06.02 | Rice and its products | 14 mg/kg~26 mg/kg |
| | 06.03 | Wheat flour and its products | 14 mg/kg~26 mg/kg |
| | 06.04 | Coarse grains flour and its products | 14 mg/kg~26 mg/kg |
| | 06.06 | Instant grains, including rolled oats (flakes) | 35 mg/kg~80 mg/kg |
| | 07.01 | Bread | 14 mg/kg~26 mg/kg |
| | 07.02.02 | Western pastry | 40 mg/kg~60 mg/kg |
| | 07.03 | Biscuit | 40 mg/kg~80 mg/kg |
| | 07.05 | Other bakery products | 50 mg/kg~200 mg/kg |
| | 12.04 | Soy sauce | 180 mg/kg~260 mg/kg |
| | 14.0 | Beverages (excluding varieties in 14.01 and 14.06) | 10 mg/kg~20 mg/kg |
| | 14.06 | Solid beverages | 95 mg/kg~220 mg/kg |
| 16.01 | Jelly | 10 mg/kg~20 mg/kg | |
| Calcium | 01.01.03 | Modified milk | 250 mg/kg~1 000 mg/kg |
| | 01.03.02 | Modified milk powder (excluding milk powder for children) | 3 000 mg/kg~7 200 mg/kg |
| | | Modified milk powder (for children only) | 3 000 mg/kg~6 000 mg/kg |
| | 01.06 | Cheese and processed cheese | 2 500 mg/kg~10 000 |
| | 03.01 | Ice cream and popsicle | 2 400 mg/kg~3 000 mg/kg |
| | 04.04.01.07 | Soybean powder, soybean milk powder | 1 600 mg/kg~8 000 mg/kg |
| | 06.02 | Rice and its products | 1 600 mg/kg~3 200 mg/kg |
| | 06.03 | Wheat flour and its products | 1 600 mg/kg~3 200 mg/kg |
| | 06.04 | Coarse grains flour and its products | 1 600 mg/kg~3 200 mg/kg |
| | 06.05.02.03 | Lotus root powder | 2 400 mg/kg~3 200 mg/kg |
| | 06.06 | Instant grains, including rolled oats (flakes) | 2 000 mg/kg~ 7 000 |
| | 07.01 | Bread | 1 600 mg/kg~3 200 mg/kg |
| | 07.02.02 | Western pastry | 2 670 mg/kg~5 330 mg/kg |
| | 07.03 | Biscuit | 2 670 mg/kg~5 330 mg/kg |
| | 07.05 | Other bakery products | 3 000 mg/kg~15 000 mg/kg |

Table A.1: (Continued)

| Nutritional fortification substance | Food classification number | Food category (name) | Use amount |
|--|-----------------------------------|--|--------------------------|
| Calcium | 08.03.05 | Meat sausage | 850 mg/kg~1 700 mg/kg |
| | 08.03.07.01 | Meat floss | 2 500 mg/kg~5 000 mg/kg |
| | 08.03.07.02 | Dried meat | 1 700 mg/kg~2 550 mg/kg |
| | 10.03.01 | Dehydrated egg products | 190 mg/kg~650 mg/kg |
| | 12.03 | Vinegar | 6 000 mg/kg~8 000 mg/kg |
| | 14.0 | Beverages (excluding varieties in 14,01, 14.02 and 14.06) | 160 mg/kg~1 350 mg/kg |
| | 14.02.03 | Fruit and vegetable juice (meat) beverages (including fermented products, etc.) | 1 000 mg/kg~1 800 mg/kg |
| | 14.06 | Solid beverages | 2 500 mg/kg~10 000 mg/kg |
| | 16.01 | Jelly | 390 mg/kg~800 mg/kg |
| Zinc | 01.01.03 | Modified milk | 5 mg/kg~10 mg/kg |
| | 01.03.02 | Modified milk powder (excluding milk powder for children and for pregnant and postpartum women milk) | 30 mg/kg~60 mg/kg |
| | | Modified milk powder (for children only) | 50 mg/kg~175 mg/kg |
| | | Modified milk powder (for pregnant and postpartum women only) | 30 mg/kg~140 mg/kg |
| | 04.04.01.07 | Soybean powder, soybean milk powder | 29 mg/kg~55.5 mg/kg |
| | 06.02 | Rice and its products | 10 mg/kg~40 mg/kg |
| | 06.03 | Wheat flour and its products | 10 mg/kg~40 mg/kg |
| | 06.04 | Coarse grains flour and its products | 10 mg/kg~40 mg/kg |
| | 06.06 | Instant grains, including rolled oats (flakes) | 37.5 mg/kg~112.5 mg/kg |
| | 07.01 | Bread | 10 mg/kg~40 mg/kg |
| | 07.02.02 | Western pastry | 45 mg/kg~80 mg/kg |
| | 07.03 | Biscuit | 45 mg/kg~80 mg/kg |
| | 14.0 | Beverages (excluding varieties in 14.01 and 14.06) | 3 mg/kg~20 mg/kg |
| | 14.06 | Solid beverages | 60 mg/kg~180 mg/kg |
| 16.01 | Jelly | 10 mg/kg~20 mg/kg | |
| Selenium | 01.03.02 | Modified milk powder (excluding milk powder for children) | 140 µg/kg~280 µg/kg |
| | | Modified milk powder (for children only) | 60 µg/kg~130 µg/kg |
| | 06.02 | Rice and its products | 140 µg/kg~280 µg/kg |
| | 06.03 | Wheat flour and its products | 140 µg/kg~280 µg/kg |
| | 06.04 | Coarse grains flour and its products | 140 µg/kg~280 µg/kg |
| | 07.01 | Bread | 140µg/kg~280µg/kg |
| | 07.03 | Biscuit | 30 µg/kg~110 µg/kg |
| | 14.03.01 | Milk containing beverages | 50 µg/kg~200 µg/kg |

Table A.1: (Continued)

| Nutritional fortification substance | Food classification number | Food category (name) | Use amount |
|--|-----------------------------------|---|--------------------------|
| Magnesium | 01.03.02 | Modified milk powder (excluding milk powder for children and for pregnant and postpartum women milk powder) | 300 mg/kg~1 100 mg/kg |
| | 01.03.02 | Modified milk powder (for children only) | 300 mg/kg~2 800 mg/kg |
| | | Modified milk powder (for pregnant and postpartum women only) | 300 mg/kg~2 300 mg/kg |
| | 14.0 | Beverages (excluding varieties in 14.01 and 14.06) | 30 mg/kg~60 mg/kg |
| | 14.06 | Solid beverages | 1 300 mg/kg~2 100 mg/kg |
| Copper | 01.03.02 | Modified milk powder (excluding milk powder for children and for pregnant and postpartum women milk powder) | 3 mg/kg~7.5 mg/kg |
| | | Modified milk powder (for children only) | 2 mg/kg~12 mg/kg |
| | | Modified milk powder (for pregnant and postpartum women only) | 4 mg/kg~23 mg/kg |
| Manganese | 01.03.02 | Modified milk powder (excluding milk powder for children and for pregnant and postpartum women) | 0.3 mg/kg~4.3 mg/kg |
| | | Modified milk powder (for children only) | 7 mg/kg~15 mg/kg |
| | | Modified milk powder (for pregnant and postpartum women only) | 11 mg/kg~26 mg/kg |
| Potassium | 01.03.02 | Modified milk powder (for pregnant and postpartum women only) | 7 000 mg/kg~14 100 mg/kg |
| Phosphorus | 04.04.01.07 | Soybean powder, soybean milk powder | 1 600 mg/kg~3 700 mg/kg |
| | 14.06 | Solid beverages | 1 960 mg/kg~7 040 mg/kg |
| Other | | | |
| L-lysine | 06.02 | Rice and its products | 1 g/kg~2 g/kg |
| | 06.03 | Wheat flour and its products | 1 g/kg~2 g/kg |
| | 06.04 | Coarse grains flour and its products | 1 g/kg~2 g/kg |
| | 07.01 | Bread | 1 g/kg~2 g/kg |
| Taurine | 01.03.02 | Modified milk powder | 0.3 g/kg~0.5 g/kg |
| | 04.04.01.07 | Soybean powder, soybean milk powder | 0.3 g/kg~0.5 g/kg |
| | 04.04.01.08 | Soybean milk | 0.06 g/kg~0.1 g/kg |
| | 14.03.01 | Milk containing beverages | 0.1 g/kg~0.5 g/kg |
| | 14.04.02.01 | Beverages for special purpose | 0.1 g/kg~0.5 g/kg |
| | 14.04.02.02 | Flavored beverages | 0.4 g/kg~0.6 g/kg |
| | 14.06 | Solid beverages | 1.1 g/kg~1.4 g/kg |
| 16.01 | Jelly | 0.3 g/kg~0.5 g/kg | |
| L-carnitine | 01.03.02 | Modified milk powder (excluding milk powder for children) | 300 mg/kg~400 mg/kg |
| | | Modified milk powder (for children only) | 50 mg/kg~150 mg/kg |
| | 14.02.03 | Fruit and vegetable juice (meat) beverages (including fermented products, etc.) | 600 mg/kg~3 000 mg/kg |

Table A.1: (Continued)

| Nutritional fortification substance | Food classification number | Food category (name) | Use amount |
|---|-----------------------------------|--|--|
| L-carnitine | 14.03.01 | Milk containing beverages | 600 mg/kg~3 000 mg/kg |
| | 14.04.02.01 | Beverages for special purpose (sports) | 100 mg/kg~1 000 mg/kg |
| | 14.04.02.02 | Flavored beverages | 600 mg/kg~3 000 mg/kg |
| | 14.06 | Solid beverages | 6 000 mg/kg~30 000 mg/kg |
| Y-linolenic acid | 01.03.02 | Modified milk powder | 20 g/kg~50 g/kg |
| | 02.01.01.01 | Vegetable oil | 20 g/kg~50 g/kg |
| | 14.0 | Beverages (excluding varieties in 14.01 and 14.06) | 20 g/kg~50 g/kg |
| Xanthophyll | 01.03.02 | Modified milk powder (for children only, and liquid is converted according to dilution ratio) | 1 620 µg/kg~2 700 µg/kg |
| Oligofructose | 01.03.02 | Modified milk powder (for children and for pregnant and postpartum women only) | ≤64.5 g/kg |
| 1,3-dioleic acid 2-palmitic acid triglyceride | 01.03.02 | Modified milk powder (for children only, and liquid is converted according to dilution ratio) | 24 g/kg~96 g/kg |
| Arachidonic acid (AA or ARA) | 01.03.02 | Modified milk powder (for children only) | ≤1% (percentage of total fatty acids) |
| Docosahexaenoic acid (DHA) (DHA) | 01.03.02 | Modified milk powder (for children only) | ≤0.5% (percentage of total fatty acids) |
| | | Modified milk powder (for pregnant and postpartum women only) | 300 mg/kg~1 000 mg/kg |
| Lactoferrin | 01.01.03 | Modified milk | ≤1.0 g/kg |
| | 01.02.02 | Flavored fermented milk | ≤1.0 g/kg |
| | 14.03.01 | Milk containing beverages | ≤1.0 g/kg |
| Casein calcium peptide | 06.0 | Grain and grain products, including rice, flour, coarse grains, starch, etc. (excluding varieties in 06.01 and 07.0) | ≤1.6 g/kg |
| | 14.0 | Beverages (excluding varieties in 14.01) | ≤ 1.6g/kg (increase usage of solid beverages according to mixing ratios) |
| Casein phosphopeptide | 01.01.03 | Modified milk | ≤1.6 g/kg |
| | 01.02.02 | Flavored fermented milk | ≤1.6 g/kg |
| | 06.0 | Grain and grain products, including rice, flour, coarse grains, starch, etc. (excluding varieties in 06.01 and 07.0) | ≤1.6 g/kg |
| | 14.0 | Beverages (excluding varieties in 14.01) | ≤ 1.6g/kg (increase usage of solid beverages according to mixing ratio) |

^a The usage scope in table A.1 is represented by food classification number and food category (name).

Appendix B

List of Sources of Nutrient Fortification Compounds that are Allowed to be Used

List of the sources of nutrient fortification compounds that are allowed to be used are as shown in Table B.1.

Table B.1: List of sources of nutrient fortification compounds that are allowed to be used

| Nutritional fortification substance | Source of compounds |
|-------------------------------------|---|
| Vitamin A | Retinol acetate (Vitamin A acetate) Retinol palmitate (Vitamin A palmitate) All trans retinol β - Carotene |
| β - Carotene | β - Carotene |
| Vitamin D | Ergocalciferol (Vitamin D ₂) Cholecalciferol (Vitamin D ₃) |
| Vitamin E | <i>d-a</i> -tocopherol <i>dl-a</i> tocopherol <i>d-a</i> -acetic acid tocopherol <i>dl-a</i> acetic acid tocopherol Mixed tocopherol concentrate Vitamin E calcium succinate <i>d-a</i> -succinic acid tocopherol <i>dl-a</i> succinic acid tocopherol |
| Vitamin K | Plant naphthalene fermentation |
| Vitamin B ₁ | Thiamine hydrochloride Thiamine nitrate |
| Vitamin B ₂ | Riboflavin Riboflavin-5'- phosphate sodium |
| Vitamin B ₆ | Pyridoxine hydrochloride 5'- pyridoxal phosphate |
| Vitamin B ₁₂ | Cyanocobalamide Cyanocobalamine hydrochloride Hydroxycobalamin |
| Vitamin C | L-ascorbic acid L-calcium ascorbate Magnesium ascorbyl phosphate L-sodium ascorbate L-potassium ascorbate L-ascorbate-6-palmitic acid salt (ascorbate palmitic acid ester) |
| Nicotinic acid | Nicotinic acid Nicotinamide |
| Folic acid | Folic acid (pteroylglutamic acid) |

Table B.1 (Continued)

| Nutritional fortification substance | Source of compounds |
|-------------------------------------|--|
| Pantothenic acid | <i>D</i> -calcium pantothenate <i>D</i> -Sodium pantothenate |
| Biotin | <i>D</i> -biotin |
| Choline | Choline chloride Choline Bitartrate |
| Inositol | Inositol (cyclohexanol) |
| Iron | Ferrous sulfate Ferrous gluconate Ferric ammonium citrate Ferrous fumarate Ferric citrate Ferrous lactate Oxidized heme Ferric pyrophosphate Ferric porphyrin Ferrous glycinate Reduced iron Sodium iron ethylenediamine tetraacetate Carbonyl iron powder Ferrous carbonate Ferrous citrate Ferrous Fumarate Ferrous succinate Heme iron Electrolytic iron |
| Calcium | Calcium carbonate Calcium gluconate Calcium citrate Calcium lactate <i>L</i> -Calcium lactate Calcium hydrogen phosphate Calcium <i>L</i> -threonate Calcium glycine Calcium aspartate Calcium citrate malate Calcium acetate Calcium oxide Tricalcium phosphate (calcium phosphate) Vitamin E calcium succinate Calcium glycerophosphate Calcium oxide Calcium sulfate Bone meal (ultrafine fresh bone meal) |

Table B.1 (Continued)

| Nutritional fortification substance | Source of compounds |
|-------------------------------------|--|
| Zinc | Zinc sulfate Zinc gluconate Zinc glycinate Zinc oxide Zinc lactate Zinc citrate Zinc chloride Zinc acetate Zinc carbonate |
| Selenium | Sodium selenite Sodium selenate Selenoprotein Selenium enriched edible mushroom powder <i>L</i> -selenium methylselenocysteine Selenized carrageenan (milk containing beverages in 14.03.01 only) Selenium enriched yeast (milk containing beverages in 14.03.01 only) |
| Magnesium | Magnesium sulfate Magnesium chloride Magnesium oxide Magnesium carbonate Magnesium hydrogen phosphate Magnesium gluconate |
| Copper | Copper sulfate Copper gluconate Copper citrate Copper carbonate |
| Manganese | Manganese sulfate Manganese chloride Manganese carbonate Manganese citrate Manganese gluconate |
| Potassium | Potassium gluconate Potassium citrate Potassium dihydrogen phosphate Dipotassium hydrogen phosphate Potassium chloride |
| Phosphorus | Tricalcium phosphate (calcium phosphate) Calcium hydrogen phosphate |
| <i>L</i> -lysine | <i>L</i> -lysine hydrochloride <i>L</i> -lysine aspartate |
| Taurine | Taurine (aminoethyl sulfonic acid) |

Table B.1 (Continued)

| Nutritional fortification substance | Source of compounds |
|-------------------------------------|--|
| <i>L</i> -carnitine | <i>L</i> -carnitine <i>L</i> -carnitine tartrate |
| γ -linolenic acid | γ -linolenic acid |
| Xanthophyll | Lutein (marigold source) |
| Oligofructose | Oligofructose (chicory source) |
| 1,3-dioleic acid 2-palmitic acid | 1,3-dioleic acid 2-palmitic acid triglyceride |
| Arachidonic acid (AA or ARA) | Arachidonic acid oil, source: <i>Mortierella alpina</i> |
| Docosahexaenoic acid (DHA) | Docosahexaenoic acid oil, source: <i>Schizochytrium</i> sp., <i>Ulkenia amoeboida</i> , <i>Cryptocodinium cohnii</i> , Tuna oil |
| Lactoferrin | Lactoferrin |
| Casein calcium peptide | Casein calcium peptide |
| Casein phosphopeptide | Casein phosphopeptide |

Appendix C

Sources of Nutritional Fortification Substance and Compounds that Can be Used in Special Dietary Foods

C.1: Table C.1 specifies sources of nutritional fortification and compounds that can be used in special dietary foods

C.2: Table C.2 specifies other nutritional components that are only allowed for some special dietary foods and usage amount

Table C1: Sources of nutritional fortification and compounds that can be used in special dietary foods

| Nutritional fortification substance | Source of compounds |
|-------------------------------------|---|
| Vitamin A | Retinol acetate (Vitamin A acetate) Retinol palmitate (Vitamin A palmitate) β - Carotene All trans retinol |
| Vitamin D | Ergocalciferol (Vitamin D ₂) Cholecalciferol (Vitamin D ₃) |
| Vitamin E | <i>d-a</i> -tocopherol <i>dl-a</i> -tocopherol <i>d-a</i> -acetic acid tocopherol <i>dl-a</i> -acetic acid tocopherol Mixed tocopherol concentrate <i>d-a</i> -succinic acid tocopherol <i>dl-a</i> -succinic acid tocopherol |
| Vitamin K | Phytomenadione |
| Vitamin B ₁ | Thiamine hydrochloride Thiamine nitrate |
| Vitamin B ₂ | Riboflavin Sodium riboflavin-5'- phosphate |
| Vitamin B ₆ | Pyridoxine hydrochloride 5'- pyridoxal phosphate |
| Vitamin B ₁₂ | Cyanocobalamide Cyanocobalamine hydrochloride Hydroxycobalamin |
| Vitamin C | <i>L</i> -ascorbic acid <i>L</i> -Sodium ascorbate <i>L</i> -Calcium ascorbate <i>L</i> -Potassium ascorbate Ascorbate 6-palmitic acid salt (ascorbate palmitic acid ester) |
| Nicotinic acid | Nicotinic acid Nicotinamide |
| Folic acid | Folic acid (pteroylglutamic acid) |
| Pantothenic acid | Calcium <i>D</i> -pantothenate Sodium <i>D</i> -pantothenate |

Table C.1 (Continued)

| Nutritional fortification substance | Source of compounds |
|--|---|
| Biotin | <i>D</i> -biotin |
| Choline | Choline chloride Choline Bitartrate |
| Inositol | Inositol (cyclohexanol) |
| Sodium | Sodium bicarbonate Sodium dihydrogen phosphate Sodium citrate Sodium chloride Disodium hydrogen phosphate |
| Potassium | Potassium gluconate Potassium citrate Potassium dihydrogen phosphate Dipotassium phosphate Potassium oxide |
| Copper | Copper sulfate Copper gluconate Copper citrate Copper carbonate |
| Magnesium | Magnesium sulfate Magnesium chloride Magnesium oxide Magnesium carbonate Magnesium hydrogen phosphate Magnesium gluconate |
| Iron | Ferrous sulfate Ferrous gluconate Ferric ammonium citrate Ferrous fumarate Ferric citrate Ferric pyrophosphate Sodium iron ethylenediamine tetraacetate (as complementary foods nutritional supplements only) |
| Zinc | Zinc sulfate Zinc gluconate Zinc oxide Zinc lactate Zinc citrate Zinc chloride Zinc acetate |

Table C.1(Continued)

| Nutritional fortification substance | Source of compounds |
|--------------------------------------|--|
| Manganese | Manganese sulfate Manganese chloride Manganese carbonate Manganese citrate Manganese gluconate |
| Calcium | Calcium carbonate Calcium gluconate Calcium citrate <i>L</i> -Calcium lactate Calcium hydrogen phosphate Calcium chloride Tricalcium phosphate (calcium phosphate) Calcium glycerophosphate Calcium oxide Calcium sulfate |
| Phosphorus | Tricalcium phosphate (calcium phosphate) Calcium hydrogen phosphate |
| Iodine | Potassium iodate Potassium iodide Sodium iodide |
| Selenium | Sodium selenate Sodium selenite |
| Chromium | Chromium sulfate Chromium oxide |
| Aluminum | Sodium aluminate Ammonium aluminate |
| Taurine | Taurine (aminoethyl sulfonic acid) |
| <i>L</i> -methionine(<i>L</i> -Met) | Not animal origin |
| <i>L</i> -tyrosine | Not animal origin |
| <i>L</i> -tryptophan | Not animal origin |
| <i>L</i> -carnitine | <i>L</i> -carnitine <i>L</i> -carnitine tartrate |
| Docosahexaenoic acid (DHA) | Docosahexaenoic acid oil, source: <i>Schizochytrium</i> sp., <i>Ulkenia amoeboida</i> , <i>Cryptocodinium cohnii</i> , Tuna oil |
| Arachidonic acid (AA or ARA) | Arachidonic acid oil, source: <i>Mortierella alpina</i> |

Table C.2: Other nutritional components that are only allowed for some special dietary foods and usage amount

| Nutritional fortification substance | Food classification number | Food category (name) | Use amount ^a |
|--|-----------------------------------|---|--|
| Oligosaccharide galactose (lactose source) | 13.01 13.02.01 | Formula foods for infants and young children Cereal complementary foods for infants and young children | Used alone or in combination, the total amount of substance type shall not exceed 64.5g/kg |
| Oligofructose (chicory) | | | |
| Polysaccharides (chicory source) | | | |
| Raffinose (beet source) | | | |
| Polydextrose | 13.01 | Formula foods for infants and young children | 15.6 g/kg~31.25 g/kg |
| 1,3-dioleic acid 2-palmitic acid triglyceride | 13.01.01 | Formula foods for infants | 32 g/kg~96 g/kg |
| | 13.01.02 | Formula foods for older infants and young children | 24 g/kg~96 g/kg |
| | 13.01.03 | Formula foods for infants for special medical purposes | 32 g/kg~96 g/kg |
| Lutein (source of marigold) | 13.01.01 | Formula foods for infants | 300 µg/kg~2 000 µg/kg |
| | 13.01.02 | Formula foods for older infants and young children | 1 620 µg/kg~4 230 µg/kg |
| | 13.01.03 | Formula foods for infants for special medical purposes | 300 µg/kg~2 000 µg/kg |
| Docosahexaenoic acid (DHA) | 13.02.01 | Cereal complementary foods for infants and young children | ≤1 150 mg/kg |
| Arachidonic acid (AA or ARA) | 13.02.01 | Cereal supplementary foods for infants and young children | ≤2 300 mg/kg |
| Nucleotide Sources include the following compounds: Cytidine 5'monophosphate (5' - CMP), Uridine 5'monophosphate (5' - UMP), Adenosine 5' monophosphate (5' - AMP), Disodium 5' - inosinate, Disodium 5' - guanosine, Disodium 5' - uridine, Disodium 5' - cytidine. | 13.01 | Formula foods for infants and young children | 0.12 g/kg~0 58 g/kg (based on total nucleotides) |
| Lactoferrin | 13.01 | Formula foods for infants and young children | ≤1.0 g/kg |
| Casein calcium peptide | 13.01 | Formula foods for infants and young children | ≤3.0 g/kg |
| | 13.02 | Complementary foods for infants and young children | ≤3.0 g/kg |
| Casein phosphopeptide | 13.01 | Formula foods for infants and young children | ≤3.0 g/kg |
| | 13.02 | Supplementary foods for infants and young children | ≤3.0 g/kg |

^a The usage amount is limited to powdered products, and when used in liquid products, it needs to be converted according to corresponding dilution ratios.

Appendix D
Food Category (Name) Description

Food category (name) description is as shown in Table D.1.

Table D.1: Food Category (Name) Description

| Food classification number | Food category (name) |
|----------------------------|--|
| 01.0 | Dairy and products (excluding varieties in 13.0 for special dietary foods) |
| 01.01 | Pasteurized milk, sterilized milk, and modified milk |
| 01.01.01 | Pasteurized milk |
| 01.01.02 | Sterilized milk |
| 01.01.03 | Modified milk |
| 01.02 | Fermented milk and flavored fermented milk |
| 01.02.01 | Fermented milk |
| 01.02.02 | Flavored fermented milk |
| 01.03 | Milk powder and its formulated products |
| 01.03.01 | Milk powder |
| 01.03.02 | Modified milk powder |
| 01.04 | Condensed milk and modified products |
| 01.04.01 | Light condensed milk |
| 01.04.02 | Modified condensed milk |
| 01.05 | Thin cream (light cream) and similar products |
| 01.06 | Cheese and processed cheese |
| 01.07 | Ready-to-eat flavored dessert or pre-made product with milk as main ingredient (excluding ice cream and flavored yogurt) |
| 01.08 | Other dairy products (such as whey powder, casein powder, etc.) |
| 02.0 | Fats, oils, and emulsified fats product |
| 02.01 | Fats and oils have basically no water |
| 02.01.01 | Vegetable oils and fats |
| 02.01.01.01 | Vegetable oils |
| 02.01.01.02 | Hydrogenated vegetable oils |
| 02.01.02 | Animal fats (including lard, butter, fish oil, and other animal fats) |
| 02.01.03 | Anhydrous butter and anhydrous butter fats |
| 02.02 | Water-oil fat emulsion products |
| 02.02.01 | Emulsified products with fats content over 80% |
| 02.02.01.01 | Butter and concentrated butter |
| 02.02.01.02 | Margarine and similar products (such as butter and margarine blends) |
| 02.02.02 | Emulsified products with fats content less than 80% |
| 02.03 | Fat emulsion products other than those listed in 02.02, including mixed and/or flavored fat emulsion products |
| 02.04 | Fatty desserts |
| 02.05 | Other fats or products |
| 03.0 | Frozen beverages |
| 03.01 | Ice cream and popsicle |
| 03.02 | - |

Table D.1: (Continued)

| Food classification number | Food category (name) |
|-----------------------------------|--|
| 03.03 | Flavored ice and popsicles |
| 03.04 | Edible ice |
| 03.05 | Other frozen beverages |
| 04.0 | Fruits, vegetables (including tubers), legumes, edible fungi, algae, nuts, and seeds |
| 04.01 | Fruits |
| 04.01.01 | Fresh fruits |
| 04.01.02 | Processed fruits |
| 04.01.02.01 | Canned fruits |
| 04.01.02.02 | Fruit puree |
| 04.02 | Vegetables |
| 04.02.01 | Fresh vegetables |
| 04.02.02 | Processed vegetables |
| 04.03 | Edible fungi and algae |
| 04.03.01 | Fresh edible fungi and algae |
| 04.03.02 | Processed edible fungi and algae |
| 04.04 | Bean products |
| 04.04.01 | Non fermented bean products |
| 04.04.01.01 | Tofu |
| 04.04.01.02 | Dried tofu |
| 04.04.01.03 | Dried tofu reprocessed products |
| 04.04.01.04 | Dried bean curd stick (including dried bean curd stick, tofu skin, etc.) |
| 04.04.01.05 | New soybean products (soy protein puffed products, soy meat, etc.) |
| 04.04.01.06 | Cooked beans |
| 04.04.01.07 | Soybean powder, soybean milk powder |
| 04.04.01.08 | Soybean milk |
| 04.04.02 | Fermented bean products |
| 04.04.02.01 | Fermented bean curd |
| 04.04.02.02 | Fermented soy beans and products (including natto) |
| 04.04.03 | Other bean products |
| 04.05 | Nuts and seeds |
| 04.05.01 | Fresh nuts and seeds |
| 04.05.02 | Processed nuts and seeds |
| 05.0 | Cocoa products, chocolates, and chocolate products (including chocolates with cocoa butter substitutes and products) and candies |
| 05.01 | Cocoa products, chocolates, and chocolate products, including chocolates with cocoa butter substitutes and products and products |
| 05.01.01 | Cocoa products (including fats, powders, slurries, sauces, fillings, etc. that use cocoa as main ingredient) |
| 05.01.02 | Chocolates and chocolate products (excluding varieties in 05.01.01) |
| 05.01.03 | Chocolates with cocoa butter substitutes and products and similar products using cocoa butter substitutes |
| 05.02 | Candies |
| 05.02.01 | Gel-based candies |
| 05.02.02 | Candies other than gel-based candies |
| 05.03 | Coatings of candies and chocolate products |

Table D.1: (Continued)

| Food classification number | Food category (name) |
|-----------------------------------|--|
| 05.04 | Decorative candies (such as craft shapes or used for cake decoration), toppings (non-fruit ingredients), and sweet juice |
| 06.0 | Grains and products, including rice, flour, coarse grains, starch, etc. (excluding varieties in 07.0 baked foods) |
| 06.01 | Raw grains |
| 06.02 | Rice and products |
| 06.02.01 | Rice |
| 06.02.02 | Rice products |
| 06.02.03 | Rice flour (including powder for rice dumplings, etc.) |
| 06.02.04 | Rice flour products |
| 06.03 | Wheat flour and products |
| 06.03.01 | Wheat flour |
| 06.03.02 | Wheat flour products |
| 06.04 | Coarse grains powder and its products |
| 06.04.01 | Coarse grains powder |
| 06.04.02 | Coarse grains products |
| 06.04.02.01 | Canned mixed congee |
| 06.04.02.02 | Other coarse grain products |
| 06.05 | Starch and products |
| 06.05.01 | Edible starch |
| 06.05.02 | Starch products |
| 06.05.02.01 | Glass noodles |
| 06.05.02.02 | Shrimp flavored crackers |
| 06.05.02.03 | Lotus root powder |
| 06.05.02.04 | Tapioca ball |
| 06.06 | Ready-to-eat grains, including rolled oats (flakes) |
| 06.07 | Instant rice and noodle products |
| 06.08 | Frozen rice and noodle products |
| 06.09 | Cereals and starch desserts (such as rice pudding and cassava pudding) |
| 06.10 | Grain product fillings |
| 07.0 | Baked foods |
| 07.01 | Bread |
| 07.02 | Pastries |
| 07.02.01 | Chinese pastries (excluding mooncakes) |
| 07.02.02 | Western pastries |
| 07.02.03 | Moon cakes |
| 07.02.04 | Colorful decorations on pastries |
| 07.03 | Biscuits |
| 07.03.01 | Sandwich biscuits and decorative biscuits |
| 07.03.02 | Waffle biscuits |
| 07.03.03 | Egg rolls |
| 07.03.04 | Other biscuits |
| 07.04 | Baking food fillings and batter |

Table D.1: (Continued)

| Food classification number | Food category (name) |
|-----------------------------------|--|
| 07.05 | Other bakery products |
| 08.0 | Meat and meat products |
| 08.01 | Raw and fresh meat |
| 08.02 | Ready-to-cook meat products |
| 08.03 | Cooked meat products |
| 08.03.01 | Marinated meat products |
| 08.03.02 | Smoked, roasted, and grilled meat |
| 08.03.03 | Fried meat |
| 08.03.04 | Western-style ham (smoked, roasted, steamed ham) |
| 08.03.05 | Meat sausages |
| 08.03.06 | Fermented meat products |
| 08.03.07 | Dried cooked meat products |
| 08.03.07.01 | Meat floss |
| 08.03.07.02 | Dried meat |
| 08.03.07.03 | Meat jerky |
| 08.03.08 | Canned meat |
| 08.03.09 | Edible animal casings |
| 08.03.10 | Other meat and meat products |
| 09.0 | Seafood and products (including fish, crustaceans, shellfish, mollusks, and echinoderms, etc.) |
| 09.01 | Fresh aquatic products |
| 09.02 | Cold batter aquatic products and products |
| 09.03 | Ready-to-cook aquatic products (semi-finished products) |
| 09.04 | Cooked aquatic products (ready-to-eat) |
| 09.05 | Canned aquatic products |
| 09.06 | Other aquatic products and processed products |
| 10.0 | Eggs and egg products |
| 10.01 | Fresh eggs |
| 10.02 | Re-produced eggs (without changing physical properties) |
| 10.03 | Egg products (changing their physical properties) |
| 10.03.01 | Dehydrated egg products (such as protein powder, egg yolk powder, and protein flakes) |
| 10.03.02 | Heat treated egg products (such as yolk cheese, preserved egg sausages) |
| 10.03.03 | Frozen egg products (such as iced eggs) |
| 10.03.04 | Liquid eggs |
| 10.04 | Other egg products |
| 11.0 | Sweetening condiments, including honey |
| 11.01 | Edible sugar |
| 11.01.01 | White sugar and products (such as white granulated sugar, soft white sugar, crystal sugar, square sugar, etc.) |
| 11.01.02 | Other sugars and syrups (such as brown sugar, brown granulated sugar, tree syrup) |
| 11.02 | Starch sugars (fructose, glucose, maltose, partially converted sugars, etc.) |
| 11.03 | Honey and pollen |
| 11.04 | Sweeteners at table |

Table D.1: (Continued)

| Food classification number | Food category (name) |
|-----------------------------------|--|
| 11.05 | Seasoning syrup |
| 11.06 | Other sweeteners |
| 12.0 | Condiment |
| 12.01 | Salt and salt substitute products |
| 12.02 | Flavors and fresheners |
| 12.03 | Vinegar |
| 12.04 | Soy sauce |
| 12.05 | Sauce and sauce products |
| 12.06 | - |
| 12.07 | Cooking wine and products |
| 12.08 | - |
| 12.09 | Spices |
| 12.10 | Compound seasoning |
| 12.10.01 | Solid composite seasoning |
| 12.10.02 | Semi solid composite seasoning |
| 12.10.03 | Liquid composite seasoning (excluding varieties involved in 12.03,12.04) |
| 12.11 | Other seasonings |
| 13.0 | Special dietary foods |
| 13.01 | Formula food for infants and young children |
| 13.01.01 | Formula food for infants |
| 13.01.02 | Formula food for older infants and young children |
| 13.01.03 | Formula food for infants for special medical purposes |
| 13.02 | Supplementary foods for infants and young children |
| 13.02.01 | Cereal supplementary foods for infants and young children |
| 13.02.02 | Canned supplementary foods for infants and young children |
| 13.03 | Formula food for special medical purposes (excluding varieties mentioned in 13.01) |
| 13.04 | Low energy formulated food |
| 13.05 | Other special dietary foods except for 13.01-13.04 |
| 14.0 | Beverages |
| 14.01 | Packaged drinking water |
| 14.02 | Fruits and vegetables juice |
| 14.02.01 | Fruits and vegetables juice (pulp) |
| 14.02.02 | Concentrated fruits and vegetables juice (pulp) |
| 14.02.03 | Fruits and vegetables juice (meat) beverages (including fermented products, etc.) |
| 14.03 | Protein beverages |
| 14.03.01 | Milk containing beverages |
| 14.03.02 | Plant protein beverages |
| 14.03.03 | Compound protein beverages |
| 14.04 | Water-based flavored beverages |
| 14.04.01 | Carbonated beverages |
| 14.04.02 | Non-carbonated beverages |

Table D.1: (Continued)

| Food classification number | Food category (name) |
|-----------------------------------|--|
| 14.04.02.01 | Beverages for special purposes (including sports drinks, nutrient drinks, etc.) |
| 14.04.02.02 | Flavored beverages (including fruits flavored, milk flavored, tea flavored, coffee flavored, and other flavored beverages) |
| 14.05 | Tea, coffee, plant beverages |
| 14.05.01 | Tea beverages |
| 14.05.02 | Coffee beverages |
| 14.05.03 | Plant beverages (including cocoa beverages, grain beverages, etc.) |
| 14.06 | Solid beverages |
| 14.06.01 | Fruits flavored solid beverages |
| 14.06.02 | Protein-based solid beverages |
| 14.06.03 | Instant coffees |
| 14.06.04 | Other solid beverages |
| 14.07 | - |
| 14.08 | Other beverages |
| 15.0 | Liquors |
| 15.01 | Distilled liquors |
| 15.02 | Prepared liquors |
| 15.03 | Fermented liquors |
| 16.0 | Other categories (excluding varieties in 01.0-15.0) |
| 16.01 | Jelly |
| 16.02 | Tea, coffee |
| 16.03 | Collagen casing |
| 16.04 | Yeast and products |
| 16.05 | - |
| 16.06 | Puffed foods |
| 16.07 | Other |

Attachments:

No Attachments.