GB 14880-2012 Standard for the Use of Nutritional Fortification Substances in Foods



GB 14880-2012

# **National Food Safety Standard**

Standard for the Use of Nutritional Fortification Substances in Foods

Issued on: 2010-03-15 Implemented on: 2013-01-01

**Issued by National Health and Family Planning Commission** 

#### **Foreword**

This standard referred to the standards of Codex Alimentarius Commission (CAC) 'Codex Stan CAC/GL 09-1987 (amended 1989,1991) General Principles for the addition of Essential Nutrients to Foods' and CAC/GL 10-1979 (revised 2008) Advisory Lists of Nutrient Compounds for Use in Foods for Special Dietary Uses for Infants and Young Children. This standard also referred to the regulation of European Union 'No. 1925/2006 Regulation on the Addition of Vitamins and Minerals and of certain other substances to foods'.

This standard replaced the previous version: the standard GB 14880-1994 < Hygiene Standard for the use of nutritional fortification substances in foods>

Compared to the standard GB 14880-1994, this standard has some changes as follows:

- More technical terms and definitions are added.
- The principles of nutritional fortification, the principles of using nutritional fortification substances and the principles of selecting carriers for nutritional fortification substances are added.
- Based on the risk assessment, the food classification system is combined into this standard. The application of varieties, scope and amount of nutritional fortification substances are adjusted and integrated. Some food categories, which are not suitable for nutritional fortification, are deleted.
- The allowed sources of nutritional fortification substances are increased
- The sources of nutritional fortification substances for food for special dietary uses are increased and the application amounts of some of the nutrients are increased
- The food classification system is added
- The Appendix A 'Rules for implementation of health standards for nutritional fortification substances is deleted. (The Appendix A, Appendix B and Appendix C are standardized appendices. Appendix D is information Appendix)>

The previous issued version replaced by this standard is

- GB 14880-1994

#### **National Standard for Food Safety**

#### Standard for the Use of Nutritional Fortification Substances in Foods

#### 1. Scope

This Standard stipulates the principles for the fortification of nutritional fortification substances in food, the principles for the use of nutritional fortification substances and the principles for selecting carrier of nutritional fortification substances. This standard also stipulates the application of varieties, scope and amount of the nutritional fortification substances.

This standard is applicable to all nutritional fortification substances.

#### 2. Terminology and definitions

#### 2.1. Nutritional fortification substances

Nutritional fortification substances are natural, synthetic nutrients and other nutritional components, which are added into food to increase the nutritional value of food.

#### 2.2. Nutrients

A nutrient is a substance that an organism needs to live, grow, develop, reproduce and metabolize. It has special physiological functions. Nutrients include proteins and amino acids, fats and fatty acids, carbohydrates, minerals, vitamins, and etc.

#### 2.3. Other nutritional components (excluding nutrients mentioned in 2.2)

Nutritional components are food ingredients, which have nutritional and physiological functions.

#### 2.4. Fortified food

Fortified foods are those foodstuffs in which a certain amount of nutritional fortification substances are added.

#### 2.5. Food for special dietary uses

These foods must supply a special dietary need that exists by reason of a physical or physiological condition or by reason of a specific disease or disorder. The ingredients of these foods should be significantly different from those of conventional or natural foods.

#### 3. Principles of nutritional fortification

- **3.1.** Nutritional fortification substances can be used in the following situations:
- **3.2.** Nutritional fortification substances can be used to compensate the nutrient loss during food processing or storage.

- **3.3.** There is sufficient evidence to show that a certain type of nutrient deficiency exists in a specific group of people with a population of considerable size in a certain geographical area; and the low intake level of the nutrients and adverse health effects caused by nutrient deficiency can be improved by nutritional fortification; and the nutrients can be provided to the people with the nutrient deficiency through fortified foods.
- **3.4.** There is sufficient evidence to show that in certain geographic areas, the low intake of certain/some nutrients or nutrient deficiencies are caused by dietary habits or other factors; and the low intake level of the nutrients and adverse health effects caused by the nutrient deficiency can be improve by nutritional fortification and the nutrients can be provided to the people with nutrient deficiency through fortified foods.
- **3.5.** To increase the nutritional content of substitutes for traditional food.
- **3.6.** Supplement and modify the nutrients and the content of other nutritional substances in food for special dietary uses.

#### 4. Principles for the use of nutritional fortification substances

- **4.1.** The use of nutritional fortification substances should comply with the following principles:
- **4.2.** The use of nutritional fortification substances must not lead to excessive intake of the nutrients or/and nutrient imbalance; and must not lead to metabolic disorders.
- **4.3.** Nutritional fortification substances should remain stable (in terms of quality) in foods during storage, transport, and consumption.
- **4.4.** Additional of nutritional fortification substances must not lead to undesirable changes of foods in terms of colors, taste, flavor, cooking property etc.
- **4.5.** The use of nutritional fortification substances should not cause misleading information and misconception to consumers through exaggerating the content of a certain nutritional ingredient.
- **4.6.** The use of nutritional fortification substances should not encourage or lead to food consumption models that are contrary to the country's nutrition regulations.

#### The principles of selecting carriers for nutritional fortification substances

- **5.1.** The selection of carriers for nutritional fortification substances should comply with the following principles:
- **5.2.** Should select foods that are easy to purchase and obtain by the target population.
- **5.3.** The consumption of food carriers should be stable, thus to help calculate the additive amount of nutritional fortification substances, and should be able to avoid excessive levels of nutrients and other nutritional substances in the human body due to excessive intake of the food carriers.
- **5.4.** The natural foods, which are already good source of a certain nutrients, should not be used as carriers of this nutrient.

#### 6. The regulation of the use of nutritional fortification substances

- **6.1.** The application scope, application amount of nutritional fortification substances should comply with the requirement of Appendix A, the sources of chemicals should comply with the regulation of Appendix B;
- **6.2.** The contents of nutrients and other nutritional substances used in foods for special dietary uses should comply with the National Food Safety Regulation, the allowed sources of nutritional fortification substances should comply with the requirement of Appendix C.

#### 7. Food classification system

The food class system is used to define the application scope of nutritional fortification substances. It is only applicable for this standard, please refer to Appendix D If a certain nutritional fortification substances is allowed to use in a certain food category, then this substances can be used in all foodstuffs under this category, except otherwise provided.

#### 8. The standard of quality specification

The uses of nutritional fortification substances should comply with the standard of quality specification and corresponding regulations.

# Appendix A Standardized Appendix

# Regulation on the use of nutritional fortification substances in foods

| Nutrients                       |             | Classification of food                                  | Application      |
|---------------------------------|-------------|---|------------------|
| - Hutilelits                    | Food Codes  | Classification/Name                                     | amount/kg        |
|                                 | 01.01.03    | Modified milk powder                                    | 600-1000 µg/kg   |
|                                 |             | Modified milk powder (excluding milk                    |                  |
|                                 |             | powder used for pregnant women                          | 3000-9000 µg/kg  |
|                                 | 01.03.02    | and children)   |                  |
|                                 | 01.03.02    | Modified milk powder (for children)                     | 1200-7000 μg/kg  |
|                                 |             | Modified milk powder (for pregnant                      | 2000-10000 μg/kg |
|                                 |             | women   |                  |
|                                 | 02.01.01.01 | Vegetable oil   | 4000-8000 μg/kg  |
|                                 | 02.02.01.02 | Margarine and similar products                          | 4000-8000 μg/kg  |
|                                 | 03.01       | Ice cream and ice confectionery                         | 600-1200 μg/kg   |
|                                 | 04.04.01.07 | Grain flour (soybean flour only) and                    | 3000-7000 μg/kg  |
| Vitamin A                       |             | derived products  |                  |
|                                 | 04.04.01.08 | Soybean   | 600-1400 μg/kg   |
|                                 | 06.02.01    | Rice  | 600-1200 μg/kg   |
|                                 | 06.03.01    | Wheat/flour   | 600-1200 μg/kg   |
|                                 | 06.06       | Ready-to-eat cereals, including oats and rolled oats    | 2000-6000 μg/kg  |
|                                 | 07.02.02    | Foreign pastry  | 2330-4000 µg/kg  |
|                                 | 07.03       | Biscuits  | 2330-4000 µg/kg  |
|                                 | 14.03.01    | Milk containing drinks                                  | 300-1000 μg/kg   |
|                                 | 14.06       | Solid beverage  | 4000-17000 μg/kg |
|                                 | 16.01       | Jelly   | 600-1000 μg/kg   |
|                                 | 16.06       | Puffing food  | 600-1500 μg/kg   |
| B-carotene                      | 14.06       | Solid beverages   | 3-6 mg/kg        |
|                                 | 01.01.03    | Modified milk powder                                    | 10-40 μg/kg      |
|                                 |             | Modified milk powder (excluding milk                    |                  |
|                                 |             | powder used for pregnant women                          | 63-125 μg/kg     |
|                                 | 01.03.02    | and children)   |                  |
|                                 | 01.00.02    | Modified milk powder (for children)                     | 20-112 μg/kg     |
|                                 |             | Modified milk powder (for pregnant women                | 23-112 μg/kg     |
|                                 | 02.02.01.02 | Margarine and similar products                          | 125-156 μg/kg    |
|                                 | 03.01       | Ice cream and ice confectionery                         | 10-20 μg/kg      |
|                                 | 04.04.01.07 | Grain flour (soybean flour only) and derived products   | 15-60 µg/kg      |
|                                 | 04.04.01.08 | Soybean   | 3-15 μg/kg       |
| Vitamin D                       | 06.05.02.03 | Lotus root starch                                       | 50-100 μg/kg     |
|                                 |             | Ready-to-eat cereals, including oats                    |                  |
|                                 | 06.06       | and rolled oats   | 12.5-37.5 µg/kg  |
|                                 | 07.03       | Biscuits  | 16.7-33.3 µg/kg  |
|                                 | 07.05       | Other baked products                                    | 10-70 μg/kg/kg   |
|                                 | 14.02.03    | Fruit and vegetable juices (Include fermented products) | 2-10 μg/kg       |
|                                 | 14.03.01    | Milk containing drinks                                  | 10-40 μg/kg      |
|                                 | 14.04.02.02 | Flavored beverages                                      | 2-10 μg/kg       |
|                                 | 14.06       | Solid beverages   | 10-20 μg/kg      |
|                                 | 16.01       | Jelly   | 10-40 μg/kg      |
|                                 | 16.06       | Puffing food  | 10-60 μg/kg      |
| Vitamin E                       | 01.01.03    | Modified milk powder                                    | 12-50 mg/kg      |
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|------------|-------------|--|-----------------|
|            | 04 02 02    | Modified milk powder (excluding milk   | 100 210 m m/lcm |
|            | 01.03.02    | powder used for pregnant women   | 100-310 mg/kg   |
|            |             | and children)  Modified milk powder (for shildren)   | 10.60 mg/kg     |
|            |             | Modified milk powder (for children)  Modified milk powder (for pregnant  | 10-60 mg/kg     |
|            |             | women  | 32-156 mg/kg    |
|            | 02.01.01.01 | Vegetable oils   | 100-180 mg/kg   |
|            | 02.02.01.02 | Margarine and similar products   | 100-180 mg/kg   |
|            | 04.04.01.07 | Grain flour (soybean flour only) and derived products  | 30-70 mg/kg     |
|            | 04.04.01.08 | Soybean  | 5-15 mg/kg      |
|            | 05.02.01    | Gum candy  | 1050-1450 mg/kg |
|            | 06.06       | Ready-to-eat cereals, including oats and rolled oats   | 50-125 mg/kg    |
|            | 14.0        | Beverage (excluding beverages  | 10-40 mg/kg     |
|            |             | covered under 14.01,14.06)   |                 |
|            | 14.06       | Solid beverages  | 76-180 mg/kg    |
|            | 16.01       | Jelly  | 10-70 mg/kg     |
| Vitamia V  | 04 02 02    | Modified milk powder (for children)  | 420-750 mg/kg   |
| Vitamin K  | 01.03.02    | Modified milk powder (for pregnant women   | 340-680 mg/kg   |
|            |             | Modified milk powder (for children)  | 1.5-14 mg/kg    |
|            | 01.03.02    | Modified milk powder (for pregnant women   | 3-17 mg/kg      |
|            | 04.04.01.07 | Grain flour (soybean flour only) and derived products  | 6-15 mg/kg      |
|            | 04.04.01.08 | Soybean  | 1-3 mg/kg       |
|            | 05.02.01    | Gum candy  | 16-33 mg/kg     |
|            | 06.02       | Rice and derived products (rice, rice vermicelli, rice cake)   | 3-5 mg/kg       |
|            | 06.03       | Wheat flour and derived products   | 3-5 mg/kg       |
| Vitamin B₁ | 06.04       | Grain flour (soybean flour only)   | 3-5 mg/kg       |
|            |             | Ready-to-eat cereals, including oats   |                 |
|            | 06.06       | and rolled oats  | 7.5-17.5 mg/kg  |
|            | 07.01       | Bread  | 3-5 mg/kg       |
|            | 07.02.02    | Foreign pastry   | 3-6 mg/kg       |
|            | 07.03       | Biscuits   | 3-6 mg/kg       |
|            | 14.03.01    | Milk containing beverages  | 1-2 mg/kg       |
|            | 14.04.02.02 | Flavored beverages   | 2-3 mg/kg       |
|            | 14.06       | Solid beverages  | 9-22 mg/kg      |
|            | 16.01       | Jelly  | 1-7 mg/kg       |
|            |             | Modified milk powder (for children)  | 8-14 mg/kg      |
|            | 01.03.02    | Modified milk powder (for pregnant women   | 4-22 mg/kg      |
|            | 04.04.01.07 | Grain flour (soybean flour only) and derived products  | 6-15 mg/kg      |
|            | 04.04.01.08 | Soybean  | 1-3 mg/kg       |
|            | 05.02.01    | Gum candy  | 16-33 mg/kg     |
| Vitamin B₂ | 06.02       | Rice and derived products (rice, rice vermicelli, rice cake)   | 3-5 mg/kg       |
|            | 06.03       | Wheat flour and derived products   | 3-5 mg/kg       |
|            |             | Grains flour (including soybean flour)   | - 9             |
|            | 06.04       | and derived products (soybean flour only)  | 3-5 mg/kg       |
|            | 06.06       | Ready-to-eat cereals, including oats and rolled oats   | 7.5-17.5 mg/kg  |

| 07.02.02   Foreign pastry   3.3-7.0 mg/kg   27.0 mg/kg   14.03.01   Milk containing drinks   1-2 mg/kg   14.06   Solid beverages   9-22 mg/kg   17.7 mg/kg   Modified milk powder (excluding milk powder used for pregnant women   17.7 mg/kg   Modified milk powder (for children)   Modified milk powder (for pregnant women   17.7 mg/kg   Modified milk powder (for pregnant women   17.7 mg/kg   Modified milk powder (for children)   Modified milk powder (for pregnant women   17.0 mg/kg   Modified milk powder (for pregnant women   18.01   Jelly   17.7 mg/kg   Modified milk powder (for pregnant women   18.01   Jelly   17.7 mg/kg   16.01   Jelly   17.7 mg/kg   16.01   Jelly   17.7 mg/kg   10.30 μg/kg   10.41.6 mg/kg   10.30 μg/kg   10.40 mg/kg   10.40 mg/kg  |                             | 07.01       | Bread   | 3-5 mg/kg       |
|--|-----------------------------|-------------|---|-----------------|
| 07.03   Biscuits   3.3-7.0 mg/kg   14.03.01   Milk containing drinks   1-2 mg/kg   15.01   Jelly   Milk containing drinks   9-22 mg/kg   16.01   Jelly   Modified milk powder (excluding milk powder used for pregnant women and children)   Modified milk powder (for children)   Modified milk powder (for pregnant women   1-7 mg/kg   Modified milk powder (for pregnant women   1-8 mg/kg   Modified milk powder (for pregnant women   1-8 mg/kg   Modified milk powder (for pregnant women   1-7 mg/kg   Modified milk powder (for pregnant   1-7 mg/kg   Modified milk powder (for pregnant   1-7 mg/kg   Modified milk powder (for pregnant   1-7 mg/kg   Modified milk powder (for children)   1-7  |                             |             |   |                 |
| 14.03.01   Milk containing drinks   1.2 mg/kg   14.06   Solid beverages   9.22 mg/kg   16.01   Jelly   Modified milk powder (excluding milk powder (sed for pregnant women and children)   Modified milk powder (for children)   1.7 mg/kg   Modified milk powder (for children)   1.7 mg/kg   Modified milk powder (for children)   1.7 mg/kg   Modified milk powder (for pregnant women and rolled oats   07.03   Biscuits   07.03   Biscuits   0.25 mg/kg   0.15 mg/kg  |                             |             |   |                 |
| 14.06   Solid beverages   9-22 mg/kg   |                             |             |   | 3 3             |
| 16.01   Jelly   Modified milk powder (excluding milk powder used for pregnant women and children)   Modified milk powder (for children)   1-7 mg/kg   Modified milk powder (for children)   1-7 mg/kg   Modified milk powder (for pregnant women women   Modified milk powder (for pregnant women and rolled oats   Modified milk powder (for pregnant women and rolled oats   Modified milk powder (for pregnant women   Modified milk powder (for children)   Modified milk powder (for pregnant women   Modified milk powder (for children)   Modified milk powder (for pregnant women   Modified milk powder (for children)   Modified milk powder (for children)   Modified milk powder (for pregnant women   Modified milk powder (for children)   Modified milk powder (for children)   Modified milk powder (for children)   Modified milk powder (for pregnant women   Modified milk powder (for children)   Modifi |                             |             |   | ŭ ŭ             |
| Modified milk powder (excluding milk powder used for pregnant women and children)   1-7 mg/kg   1-2 5  |                             |             | <u> </u>  |                 |
| Modified milk powder (for children)   1-/ mg/kg   4-22  |                             |             | Modified milk powder (excluding milk powder used for pregnant women and children) | 8-16 mg/kg      |
| Vitamin Bs   06.06   Ready-to-eat cereals, including oats and rolled oats   07.03   Biscuits   2.5 mg/kg   07.05   Other baked products   3.15 mg/kg   14.0   Beverages (excluding the foodstuffs mentioned in 14.01 and 14.06)   0.4-1.6 mg/kg   14.06   Solid beverages (excluding the foodstuffs mentioned in 14.01 and 14.06)   0.4-1.6 mg/kg   16.01   Jelly   1-7 mg/kg   1-7 mg/  |                             | 01.00.02    |   | 1-7 mg/kg       |
| O7.03  |                             |             | women   | 4-22 mg/kg      |
| 14.0   Severages (excluding the foodstuffs mentioned in 14.01 and 14.06)   14.06   Solid beverages   7-22 mg/kg   16.01   Jelly   1-7 mg/kg   10.30 μ/kg   10.30 μ/kg   10.30 μ/kg   10.30 μ/kg   10.40 μ/kg   10.50 μ/kg   10.50 μ/kg   10.50 μ/kg   10.66 μg/kg   10.60 μg/kg   10.66 μg/kg   10.705   Other baked products   10-70 μg/kg   10.66 μg/kg   14.06   Solid beverages (excluding the foodstuffs mentioned in 14.01 and 14.06)   10-70 μg/kg   14.06   Solid beverages (excluding the foodstuffs mentioned in 14.01 and 14.06)   10-66 μg/kg   16.01   Jelly   2-6 μg/kg   10-06 μg/kg   10.02.02   Favored fermented product   10-70 μg/kg   10.03.02   Favored fermented product   10-240 mg/kg   10.03.02   10-06 μg/kg   10.03.03   10-000 mg/kg   10.03.04   10-06 μg/kg   10-06 μg/  | Vitamin B <sub>6</sub>      |             | and rolled oats   | 10-25 mg/kg     |
| 14.0   Beverages (excluding the foodstuffs mentioned in 14.01 and 14.06)   14.06   Solid beverages   7.22 mg/kg   16.01   Jelly   1.7 mg/kg   Modified milk powder (for children)   10-30 μg/kg   10-66 μg/kg   10-60   10-10 μg/kg   10-60 μg/kg   10-60 μg/kg   10-60 μg/kg   10-60 μg/kg   14.0   Beverages (excluding the foodstuffs mentioned in 14.01 and 14.06)   10-60 μg/kg   10-00 μg/kg   10  |                             | 07.03       | Biscuits  |                 |
| 14.06   Solid beverages   7-22 mg/kg   |                             | 07.05       | Other baked products  | 3-15 mg/kg      |
| 16.01   Jelly   Modified milk powder (for children)   10-30 μg/kg   10-30 μg/kg   10-30 μg/kg   10-30 μg/kg   10-30 μg/kg   10-66 μg/kg   14.06   Solid beverages (excluding the foodstuffs mentioned in 14.01 and 14.06)   10-66 μg/kg   16.01   Jelly   2-6 μg/kg   16.01   Jelly   2-6 μg/kg   10-02.02   Favored fermented product   Modified milk powder (excluding milk powder used for pregnant women   Modified milk powder (for children)   Modified milk powder (for children)   140-800 mg/kg     |                             |             | mentioned in 14.01 and 14.06)   | 0 0             |
| Vitamin B₁2   Modified milk powder (for children)   10-30 μg/kg  |                             |             |   |                 |
| Vitamin B₁2   01.03.02   Modified milk powder (for pregnant women   10-66 μg/kg   5-10 μg/kg   10.705   Other baked products   10-70 μg/kg   10-66 μg/kg   10-60 μg/kg   |                             | 16.01       |   | ŭ ŭ             |
| Vitamin B₁2   Women   10-66 μg/kg  |                             |             | Modified milk powder (for children)   | 10-30 μg/kg     |
| Vitamin B <sub>12</sub>  |                             | 01.03.02    | women   | 10-66 μg/kg     |
| 14.0   Beverages (excluding the foodstuffs mentioned in 14.01 and 14.06)   14.06   Solid beverages   10-66 μg/kg   16.01   Jelly   2-6 μg/kg   16.01   Jelly   2-6 μg/kg   10.02.02   Favored fermented product   120-240 mg/kg   201.03.02   Modified milk powder (excluding milk powder used for pregnant women and children)   Modified milk powder (for children)   Modified milk powder (for pregnant women and children)   Modified milk powder (for pregnant women and children)   Modified milk powder (for pregnant women   1000-1600 mg/kg   14.04.01.02.02   Puree   50-100 mg/kg   14.02.03   Favored flour only) and derived products   14.02.03   Fruits and vegetable (pulp) juices   250-500 mg/kg   14.02.03   Fruits and vegetable (pulp) juices   250-500 mg/kg   14.04   Water-based flavored beverages   250-500 mg/kg   14.06   Solid beverage   1000-2250 mg/kg   14.06   Solid beverage   1000-2250 mg/kg   16.01   Jelly   Modified milk powder (for children)   23-47 mg/kg   Modified milk powder (for pregnant women   1000-600 mg/kg   14.06   Solid beverage   1000-2250 mg/kg   14.06   Solid beverage   14.06   Solid beverage   14.06   Solid bever  | Vitamin D                   | 06.06       |   |                 |
| 14.06   Solid beverages   10-66 μg/kg  | VII.allilli D <sub>12</sub> | 07.05       | Other baked products  | 10-70 μg/kg     |
| 16.01   Jelly   2-6 μg/kg   01.02.02   Favored fermented product   120-240 mg/kg   120-240 mg/kg   Modified milk powder (excluding milk powder used for pregnant women and children)   Modified milk powder (for children)   140-800 mg/kg   1000-1600 mg/kg   1000-1  |                             | 14.0        |   | 0.6-1.8 μg/kg   |
| 01.02.02   Favored fermented product   120-240 mg/kg   Modified milk powder (excluding milk powder used for pregnant women and children)   Modified milk powder (for children)   140-800 mg/kg   1000-1600 mg/kg   1100-1600 mg/kg |                             | 14.06       | Solid beverages   | 10-66 μg/kg     |
| Niacin (or nicotinamide)   O1.03.02   Modified milk powder (excluding milk powder used for pregnant women and children)   Modified milk powder (for children)   Modified milk powder (for children)   Modified milk powder (for pregnant women   1000-1600 mg/kg   100 |                             | 16.01       | Jelly   | 2-6 μg/kg       |
| O1.03.02   Downwer used for pregnant women and children   Double of the pregnant women and children   Double of the pregnant women   Double of the pregna |                             | 01.02.02    | Favored fermented product   | 120-240 mg/kg   |
| Nodified milk powder (for children)   140-800 mg/kg   1000-1600 mg/kg   1000-1600 mg/kg   1000-1600 mg/kg   200-400 mg/kg   200-2250 mg/kg   20 |                             | 01.03.02    | Modified milk powder (excluding milk powder used for pregnant women and children) | 0 0             |
| Women  |                             |             |   | 140-800 mg/kg   |
| Vitamin C         Puree         50-100 mg/kg           04.04.01.07         Grain flour (soybean flour only) and derived products         400-700 mg/kg           05.02.01         Gum candy         630-13000 mg/kg           05.02.02         Sweets other than gum candy         1000-6000 mg/kg           06.06         Ready-to-eat cereals, including oats and rolled oats         300-750 mg/kg           14.02.03         Fruits and vegetable (pulp) juices         250-500 mg/kg           14.03.01         Milk containing drinks         120-240 mg/kg           14.04         Water-based flavored beverages         250-500 mg/kg           14.06         Solid beverage         1000-2250 mg/kg           16.01         Jelly         120-240 mg/kg           Modified milk powder (for children)         23-47 mg/kg           Modified milk powder (for pregnant women)         42-100 mg/kg           04.04.01.07         Grain flour (soybean flour only) and derived products         60-120 mg/kg  |                             |             | women   |                 |
| Vitamin C         Grain flour (soybean flour only) and derived products         400-700 mg/kg           05.02.01         Gum candy         630-13000 mg/kg           05.02.02         Sweets other than gum candy         1000-6000 mg/kg           06.06         Ready-to-eat cereals, including oats and rolled oats         300-750 mg/kg           14.02.03         Fruits and vegetable (pulp) juices         250-500 mg/kg           14.03.01         Milk containing drinks         120-240 mg/kg           14.04         Water-based flavored beverages         250-500 mg/kg           14.06         Solid beverage         1000-2250 mg/kg           16.01         Jelly         120-240 mg/kg           Modified milk powder (for children)         23-47 mg/kg           Modified milk powder (for pregnant women)         42-100 mg/kg           04.04.01.07         Grain flour (soybean flour only) and derived products         60-120 mg/kg   |                             |             |   |                 |
| 05.02.01   Gum candy   630-13000 mg/kg     05.02.02   Sweets other than gum candy   1000-6000 mg/kg     06.06   Ready-to-eat cereals, including oats and rolled oats   300-750 mg/kg     14.02.03   Fruits and vegetable (pulp) juices   250-500 mg/kg     14.03.01   Milk containing drinks   120-240 mg/kg     14.04   Water-based flavored beverages   250-500 mg/kg     14.06   Solid beverage   1000-2250 mg/kg     14.06   Solid beverage   120-240 mg/kg     16.01   Jelly   120-240 mg/kg     01.03.02   Modified milk powder (for children)   23-47 mg/kg     Modified milk powder (for pregnant women   42-100 mg/kg     O4.04.01.07   Grain flour (soybean flour only) and derived products   60-120 mg/kg     Constants   Constants   Constants   Constants   Constants     Constants   Constants   Constants     Constants   Constants   Constants     Constants    | Vitamin C                   |             | Grain flour (soybean flour only) and  |                 |
| 05.02.02   Sweets other than gum candy   1000-6000 mg/kg   |                             | 05.02.01    |   | 630-13000 ma/ka |
| 06.06   Ready-to-eat cereals, including oats and rolled oats   300-750 mg/kg   |                             |             |   |                 |
| Niacin (or nicotinamide)       14.03.01       Milk containing drinks       120-240 mg/kg         14.04       Water-based flavored beverages       250-500 mg/kg         14.06       Solid beverage       1000-2250 mg/kg         16.01       Jelly       120-240 mg/kg         01.03.02       Modified milk powder (for children)       23-47 mg/kg         Modified milk powder (for pregnant women)       42-100 mg/kg         04.04.01.07       Grain flour (soybean flour only) and derived products       60-120 mg/kg  |                             |             | Ready-to-eat cereals, including oats  |                 |
| Niacin (or nicotinamide)       14.03.01       Milk containing drinks       120-240 mg/kg         14.04       Water-based flavored beverages       250-500 mg/kg         14.06       Solid beverage       1000-2250 mg/kg         16.01       Jelly       120-240 mg/kg         01.03.02       Modified milk powder (for children)       23-47 mg/kg         Modified milk powder (for pregnant women)       42-100 mg/kg         04.04.01.07       Grain flour (soybean flour only) and derived products       60-120 mg/kg  |                             | 14.02.03    |   | 250-500 mg/kg   |
| 14.04         Water-based flavored beverages         250-500 mg/kg           14.06         Solid beverage         1000-2250 mg/kg           16.01         Jelly         120-240 mg/kg           01.03.02         Modified milk powder (for children)         23-47 mg/kg           Modified milk powder (for pregnant women         42-100 mg/kg           04.04.01.07         Grain flour (soybean flour only) and derived products         60-120 mg/kg  |                             |             |   |                 |
| 14.06 Solid beverage 1000-2250 mg/kg 16.01 Jelly 120-240 mg/kg  01.03.02 Modified milk powder (for children) 23-47 mg/kg  Modified milk powder (for pregnant women 42-100 mg/kg  Grain flour (soybean flour only) and derived products 60-120 mg/kg  |                             |             |   |                 |
| 16.01 Jelly 120-240 mg/kg  01.03.02 Modified milk powder (for children) 23-47 mg/kg  Modified milk powder (for pregnant women 42-100 mg/kg  Grain flour (soybean flour only) and derived products 60-120 mg/kg   |                             |             |   |                 |
| Niacin (or nicotinamide)    O1.03.02   Modified milk powder (for children)   23-47 mg/kg     Modified milk powder (for pregnant women   42-100 mg/kg     O4.04.01.07   Grain flour (soybean flour only) and derived products   60-120 mg/kg  |                             |             | · ·   |                 |
| Niacin (or nicotinamide)    Modified milk powder (for pregnant women   42-100 mg/kg  |                             |             | <u> </u>  |                 |
| Niacin (or nicotinamide)  04.04.01.07  Grain flour (soybean flour only) and derived products  60-120 mg/kg   |                             |             | Modified milk powder (for pregnant  |                 |
|  | Niacin (or nicotinamide)    | 04.04.01.07 | Grain flour (soybean flour only) and  | 60-120 mg/kg    |
|  |                             | 04.04.01.08 | Soybean   | 10-30 mg/kg     |

|                     |             | Discount designs design design design   | Τ                            |
|---------------------|-------------|---|------------------------------|
|                     | 06.02       | Rice and derived products (rice, rice vermicelli, rice cake)                      | 40-50 mg/kg                  |
|                     | 06.03       | ,   | 40 E0 mg/kg                  |
|                     | 06.03       | Wheat flour and derived products  | 40-50 mg/kg                  |
|                     | 06.04       | Grain flour (including soybean flour) and derived products (soybean flour only)   | 40-50 mg/kg                  |
|                     | 06.06       | Ready-to-eat cereals, including oats and rolled oats                              | 75-218 mg/kg                 |
|                     | 07.01       | Bread   | 40-50 mg/kg                  |
|                     | 07.03       | Biscuits  | 30-60 mg/kg                  |
|                     | 14.0        | Beverages (excluding the foodstuffs mentioned in 14.01 and 14.06)                 | 3-18 mg/kg                   |
|                     | 14.06       | Solid beverages (excluding soy milk powder)                                       | 110-330 mg/kg                |
|                     | 01.01.03    | Modified milk powder  | 400-1200 μg/kg               |
|                     | 01.03.02    | Modified milk powder (excluding milk powder used for pregnant women and children) | 2000-5000 μg/kg              |
|                     |             | Modified milk powder (for children)   | 420-3000 μg/kg               |
|                     |             | Modified milk powder (for pregnant women  | 2000-8200 μg/kg              |
| Folic acid          | 06.02.01    | Rice (washing-face rice only)   | 1000-3000 μg/kg              |
| i dile adia         | 06.03.01    | Wheat flour   | 1000-3000 μg/kg              |
|                     | 06.06       | Ready-to-eat cereals, including oats and rolled oats                              | 1000-2500 μg/kg              |
|                     | 07.03       | Biscuits  | 390-780 μg/kg                |
|                     | 07.05       | Other baked products  | 2000-7000 μg/kg              |
|                     | 14.02.03    | Fruits and vegetable (pulp) juices  | 157-313 μg/kg                |
|                     | 14.06       | Solid beverages   | 600-6000 µg/kg               |
|                     | 16.01       | Jelly   | 50-100 μg/kg                 |
|                     |             | Modified milk powder (for children)   | 6-60 mg/kg                   |
|                     | 01.03.02    | Modified milk powder (for pregnant women  | 20-80 mg/kg                  |
| De della ciè a cial | 06.06       | Ready-to-eat cereals, including oats and rolled oats                              | 30-50 mg/kg                  |
| Pantothenic acid    | 14.04.01    | Carbonated drinks   | 1.1-2.2 mg/kg                |
|                     | 14.04.02.02 | Flavored drinks   | 1.1-2.2 mg/kg                |
|                     | 14.05.01    | Tea drinks  | 1.1-2.2 mg/kg                |
|                     | 14.06       | Solid beverages   | 22-80 mg/kg                  |
|                     | 16.01       | Jelly   | 2-5 mg/kg                    |
| Biotin              | 01.03.02    | Modified milk powder (for children only)  | 38-76 μg/kg                  |
|                     | 01.03.02    | Modified milk powder (for children only)  | 800-3000 mg/kg               |
| Chlorine            |             | Modified milk powder (for pregnant women only)                                    | 1600-3400 mg/kg              |
|                     | 16.01       | Jelly   | 50-100 mg/kg                 |
|                     | 04.00.00    | Modified milk powder and modified cream powder (including flavored                | 210-250 mg/kg                |
| Inositol            | 01.03.02    | milk powder and flavored cream powder)  |                              |
| Inositol            | 14.02.03    | ·   | 60-120 mg/kg                 |
| Inositol            |             | powder)   | 60-120 mg/kg<br>60-120 mg/kg |
| Inositol  Minerals  | 14.02.03    | powder) Fruits and vegetable (pulp) juices  |                              |
|                     | 14.02.03    | powder) Fruits and vegetable (pulp) juices  | , ,                          |

| 1       |                   | powder used for pregnant women  |                                  |
|---------|-------------------|---|----------------------------------|
|         |                   | and children)   |                                  |
|         |                   | Modified milk powder (for children)   | 25-135m mg/kg                    |
|         |                   | Modified milk powder (for pregnant  | 50-280 mg/kg                     |
|         |                   | women   | 50-260 Hig/kg                    |
|         | 04.04.01.07       | Grain flour (soybean flour only) and derived products                           | 46-80 mg/kg                      |
|         | 05.02.02          | Sweets other than gum candy   | 600-1200 mg/kg                   |
|         | 06.02             | Rice and derived products (Rice, rice vermicelli, rice cake)                    | 14-26 mg/kg                      |
|         | 06.03             | Wheat flour and derived products  | 14-26 mg/kg                      |
|         | 06.04             | Grain flour (soybean flour only)  | 14-26 mg/kg                      |
|         | 06.06             | Ready-to-eat cereals, including oats and rolled oats                            | 35-80 mg/kg                      |
|         | 07.01             | Bread   | 14-26 mg/kg                      |
|         | 07.02.02          | Foreign pastry  | 40-60 mg/kg                      |
|         | 07.03             | Biscuits  | 40-60 mg/kg                      |
|         | 07.05             | Other baked products  | 50-200 mg/kg                     |
|         | 12.04             | Soy sauce   | 180-260 mg/kg                    |
|         | 14.0              | Beverages (excluding the foodstuffs mentioned in 14.01 and 14.06)               | 10-20 mg/kg                      |
|         | 14.06             | Solid beverages (excluding the food mentioned in 14.06.02)                      | 95-220 mg/kg                     |
|         | 16.01             | Jelly   | 10-20 mg/kg                      |
|         | 01.01.03          | Modified milk powder  | 250-1000 mg/kg                   |
|         |                   | Modified milk powder (for children)   | 3000-7200 mg/kg                  |
|         | 01.03.02          | Modified milk powder (for pregnant women  | 3000-6000 mg/kg                  |
|         | 01.06             | Cheese  | 2500-10000 mg/kg                 |
|         | 03.01             | Ice cream and ice cream cake products   | 2400-3000 mg/kg                  |
|         | 04.04.01.07       | Grain flour (soybean flour only) and derived products                           | 1600-8000 mg/kg                  |
|         | 06.02             | Rice and derived products (rice, rice vermicelli, rice cake)                    | 1600-3200 mg/kg                  |
|         | 06.03             | Wheat flour and derived products  | 1600-3200 mg/kg                  |
|         | 06.04             | Grain flour (Including soybean flour) and derived products (soybean flour only) | 1600-3200 mg/kg                  |
| Calcium | 06.05.02.03       | Lotus root starch   | 2400-3200 mg/kg                  |
| Calcium | 06.06             | Ready-to-eat cereals, including oats and rolled oats                            | 2000-7000 mg/kg                  |
|         | 07.01             | Bread   | 1600-3200 mg/kg                  |
|         | 07.02.02          | Foreign pastry  | 2670-5330 mg/kg                  |
|         | 07.03             | Biscuits  | 2670-5330 mg/kg                  |
|         | 07.05             | Other baked products  | 3000-15000 mg/kg                 |
|         | 08.03.05          | Meat sausage  | 850-1700 mg/kg                   |
|         | 08.03.07.01       | Dry meat floss  | 2500-5000 mg/kg                  |
|         | 08.03.07.02       | Bak kwa products  | 1700-2550 mg/kg                  |
|         | 10.03.01<br>12.03 | Dehydrated egg products Vinegar   | 190-650 mg/kg<br>6000-8000 mg/kg |
|         | 14.0              | Beverages (excluding the foodstuffs   | 160-1350 mg/kg                   |
|         |                   | mentioned in 14.01 and 14.06)   |                                  |
|         | 14.02.03          | Fruits and vegetable (pulp) juices  | 1000-1800 mg/kg                  |
|         | 14.06             | Solid beverages   | 2500-10000 mg/kg                 |
|         | 16.01             | Jelly   | 390-800 mg/kg                    |

| Modified milk powder (excluding milk powder used for pregnant women and children)   Modified milk powder (for pregnant women   Modified milk powder (for pregnant women   Modified milk powder (for children)   Modified milk powder (for children)   Modified milk powder (for children   Modified milk powde   |           | 01.01.03    | Modified milk powder                  | 5-10 mg/kg      |
|--|-----------|-------------|---------------------------------------|-----------------|
| Double   D   |           |             |                                       | <del>y y</del>  |
| Modified milk powder (for children)   Modified milk powder (for pregnant women   |           |             | powder used for pregnant women        | 30-60 mg/kg     |
| Modified milk powder (for pregnant women   04.04.01.07   Grain flour (soybean flour only) and derived products (rice, rice vermicelli, rice cake)   06.02   Rice and derived products (rice, rice vermicelli, rice cake)   06.04   Grain flour (soybean flour only)   10-40 mg/kg   10-20 mg/kg   10-2   |           | 01.03.02    |                                       | 50-175 mg/kg    |
| 04.04.01.07   Grain flour (soybean flour only) and derived products   10.40 mg/kg      |           |             | Modified milk powder (for pregnant    |                 |
| 2inc   |           | 04.04.01.07 | Grain flour (soybean flour only) and  | 29-55.5 mg/kg   |
| 06.04   Grain flour (soybean flour only)   10-40 mg/kg   37.5-112.5 mg/kg   37.5-111.5 mg/kg   37.5-111.5 mg/kg   37.5-111.5 mg/kg   37.5-111.5 mg/kg   37.5-111.5    |           | 06.02       | Rice and derived products (rice, rice | 10-40 mg/kg     |
| 06.06   Ready-to-eat cereals, including oats and rolled oats   37.5-112.5 mg/kg  | Zinc      | 06.03       | Wheat flour and derived products      |                 |
| 00.06  |           | 06.04       |                                       | 10-40 mg/kg     |
| 07.02.02   Foreign pastry   45-80 mg/kg   07.03   Biscuits   45-80 mg/kg   45-80 mg    |           | 06.06       | , ,                                   |                 |
| 14.0   Biscuits   Beverages (excluding the foodstuffs mentioned in 14.01 and 14.06)   3-20 mg/kg   3-20 mg/kg   3-20 mg/kg   14.06   Solid beverages (excluding soy milk powder)   16.01   Jelly   10-20 mg/kg   14.0-280 μg/kg     |           |             |                                       |                 |
| 14.0   Beverages (excluding the foodstuffs mentioned in 14.01 and 14.06)   3-20 mg/kg     14.06   Solid beverages (excluding soy milk powder)   16.01   Jelly   10-20 mg/kg     16.01   Jelly   10-20 mg/kg   140-280 μg/kg     16.02   Rice and derived products (rice, rice vermicelli, rice cake)   140-280 μg/kg     06.02   Rice and derived products (rice, rice vermicelli, rice cake)   140-280 μg/kg     06.03   Wheat flour and derived products)   140-280 μg/kg     07.01   Bread   140-280 μg/kg     07.01   Bread   140-280 μg/kg     07.03   Biscuits   30-110 μg/kg     07.03   Biscuits   30-110 μg/kg     07.03   Biscuits   30-110 μg/kg     07.03   Milk containing drinks   50-200 μg/kg     07.03   Modified milk powder (excluding pregnant women and children)     Modified milk powder (for children only)     14.0   Beverages (excluding the food mentioned in 14.01 and 14.04.01)     14.0   Solid beverages   1300-2100 mg/kg     Modified milk powder (for children only)   |           |             |                                       |                 |
| 14.06   Solid beverages (excluding soy milk powder)  |           | 07.03       |                                       | 45-80 mg/kg     |
| 16.06   powder   16.01   Jelly   10-20 mg/kg   10-20 mg/kg   10-20 mg/kg   10-20 mg/kg   10-20 mg/kg   10-20 mg/kg   140-280 μg/kg   140-28    |           | 14.0        | mentioned in 14.01 and 14.06)         | 3-20 mg/kg      |
| Modified milk powder (excluding children)   Modified milk powder (for children only)   Modified milk powder (for children only)   60-130 μg/kg   |           | 14.06       | powder)                               | 60-180 mg/kg    |
| Selenium   |           | 16.01       |                                       | 10-20 mg/kg     |
| Modified milk powder (for children only)   Rice and derived products (rice, rice vermicelli, rice cake)   140-280 μg/kg   06.03   Wheat flour and derived products   140-280 μg/kg   Grain flour (Including soybean flour) and derived products (soybean flour)   140-280 μg/kg   140-280 μg/kg   30-110 μg/kg   30-110 μg/kg   30-110 μg/kg   30-110 μg/kg   30-110 μg/kg   30-1100 mg/kg   30-2800 mg/kg   30-2800 mg/kg   300-2800 mg/kg   300-28    |           | 01 02 02    |                                       | 140-280 μg/kg   |
| Selenium   Vermicelli, rice cake   140-280 µg/kg   |           | 01.03.02    |                                       | 60-130 µg/kg    |
| Magnesium   O6.03  | 0.1       | 06.02       |                                       | 140-280 μg/kg   |
| 06.04   and derived products (soybean flour only)   140-280 µg/kg   140-280 µg/kg   07.01   Bread   140-280 µg/kg   30-110 µg/kg   14.03.01   Milk containing drinks   50-200 µg/kg   14.03.01   Modified milk powder (excluding pregnant women and children)   Modified milk powder (for pregnant women only)   300-2800 mg/kg   300-2800 mg/kg   14.0   Beverages (excluding the food mentioned in 14.01 and 14.04.01)   14.06   Solid beverages   1300-2100 mg/kg   3-7.5 mg/kg   Modified milk powder (for children only)   Modified milk powder (excluding pregnant women and children)   Modified milk powder (for children only)   Modified milk powder (for children only)   Modified milk powder (excluding pregnant women only)   4-23 mg/kg   Modified milk powder (excluding pregnant women and children)   0.3-4.3 mg/kg   Modified milk powder (for children only)   Modified milk powder (for children only)   Modified milk powder (for children only)   0.3-4.3 mg/kg   Modified milk powder (for children only)   Nodified milk po   | Selenium  | 06.03       |                                       | 140-280 μg/kg   |
| O7.01   Bread   140-280 μg/kg   O7.03   Biscuits   30-110 μg/kg   30-110 μg/kg   14.03.01   Milk containing drinks   50-200 μg/kg   Modified milk powder (excluding pregnant women and children)   Modified milk powder (for pregnant women only)   300-1100 mg/kg   300-2800 mg/kg   Modified milk powder (for children only)   300-2800 mg/kg   300-2800 mg/kg   Modified milk powder (for children only)   300-2300 mg/kg   300-2300 mg/kg   300-2300 mg/kg   300-2300 mg/kg   300-2300 mg/kg   Modified milk powder (for children only)   300-2100 mg/kg   30-60 mg/kg   30-60 mg/kg   30-60 mg/kg   30-60 mg/kg   30-60 mg/kg   30-7.5 mg/kg   Modified milk powder (excluding pregnant women and children)   3-7.5 mg/kg   Modified milk powder (for children only)   Modified milk powder (for pregnant women only)   Modified milk powder (excluding pregnant women and children)   0.3-4.3 mg/kg   Modified milk powder (for children only)   Modified milk powder (for children only)   Modified milk powder (for children only)   Nodified milk powder (for children only)   Nodifi    |           | 06.04       | and derived products (soybean flour   | 140-280 μg/kg   |
| Magnesium   |           | 07.01       |                                       | 140-280 μg/kg   |
| Magnesium   14.03.01   Milk containing drinks   50-200 μg/kg   |           |             |                                       |                 |
| Magnesium  Magnesium  Description only and children only and child |           | 14.03.01    | Milk containing drinks                |                 |
| Magnesium    Modified milk powder (for pregnant women only)  |           | 01.02.02    |                                       | 300-1100 mg/kg  |
| 14.0 Beverages (excluding the food mentioned in 14.01 and 14.04.01)  14.06 Solid beverages  Modified milk powder (excluding pregnant women and children)  Modified milk powder (for children only)  Modified milk powder (for pregnant women only)  Modified milk powder (excluding pregnant women only)  Modified milk powder (for pregnant women only)  Modified milk powder (excluding pregnant women only)  Modified milk powder (excluding pregnant women and children)  Modified milk powder (excluding pregnant women and children)  Modified milk powder (for children only)  Modified milk powder (for children only)  Modified milk powder (for children only)   | Magnesium | 01.03.02    | women only)                           | 300-2800 mg/kg  |
| T4.0 mentioned in 14.01 and 14.04.01)  14.06 Solid beverages  Modified milk powder (excluding pregnant women and children)  Modified milk powder (for children only)  Modified milk powder (for pregnant women only)  Modified milk powder (excluding pregnant women only)  Modified milk powder (excluding pregnant women and children)  Modified milk powder (excluding pregnant women and children)  Modified milk powder (for children only)  Modified milk powder (for children only)  7-15 mg/kg   | waynesium | 01.03.02    | only)                                 | 300-2300 mg/kg  |
| Copper 01.03.02   Modified milk powder (excluding pregnant women and children)   Modified milk powder (for children only)   2-12 mg/kg   Modified milk powder (for pregnant women only)   4-23 mg/kg   Modified milk powder (excluding pregnant women and children)   0.3-4.3 mg/kg   Modified milk powder (for children only)   Modified milk powder (for children only)   7-15 mg/kg   |           |             | mentioned in 14.01 and 14.04.01)      |                 |
| Copper  O1.03.02  pregnant women and children)  Modified milk powder (for children only)  Modified milk powder (for pregnant women only)  Modified milk powder (for pregnant women only)  Modified milk powder (excluding pregnant women and children)  O1.03.02  Modified milk powder (for children only)  Modified milk powder (for children only)  7-15 mg/kg   |           | 14.06       | Solid beverages                       | 1300-2100 mg/kg |
| Manganese  O1.03.02  only)  Modified milk powder (for pregnant women only)  Modified milk powder (excluding pregnant women and children)  Modified milk powder (for children only)  O1.03.02  Modified milk powder (for children only)  7-15 mg/kg   |           |             | pregnant women and children)          | 3-7.5 mg/kg     |
| women only)  Modified milk powder (excluding pregnant women and children)  Modified milk powder (for children only)  7-15 mg/kg  | Copper    | 01.03.02    | only)                                 | 2-12 mg/kg      |
| Manganese pregnant women and children 0.3-4.3 mg/kg  Modified milk powder (for children only) 7-15 mg/kg   |           |             | . , , ,                               | 4-23 mg/kg      |
| only)  Nodified milk powder (for children only)  7-15 mg/kg  |           |             | Modified milk powder (excluding       | 0.3-4.3 mg/kg   |
| Modified milk neuron (for prognent 44.06 mg/lin  | Manganese |             |                                       | 7-15 mg/kg      |
|  |           |             | Modified milk powder (for pregnant    | 11-26 mg/kg     |

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|                                   |             |   | I  |
|-----------------------------------|-------------|---|--|
| <u> </u>                          |             | women only)   |  |
| Potassium                         | 01.03.02    | Modified milk powder (excluding pregnant women and children)  | 7000-14100 mg/kg                                       |
| Phosphorous                       | 04.04.01.07 | Grain flour (soybean flour only) and derived products   | 1600-3700 mg/kg  |
| •                                 | 14.06       | Solid beverages   | 1960-7040 mg/kg  |
| Others                            |             |   |  |
|                                   | 06.02       | Rice and derived products (rice, rice vermicelli, rice cake)  | 1-2 g/kg   |
|                                   | 06.03       | Wheat flour derived products  | 1-2 g/kg   |
| L-Lysine                          |             | Grain flour (Including soybean flour)   | <u> </u>   |
|                                   | 06.04       | and derived products (soybean flour only)   | 1-2 g/kg   |
|                                   | 07.01       | Bread   | 1-2 g/kg   |
|                                   | 01.03.02    | Modified milk powder  | 0.3-0.5 g/kg   |
|                                   | 04.04.01.07 | Grain flour (soybean flour only) and derived products   | 0.3-0.5 g/kg   |
|                                   | 04.04.01.08 | Soybean   | 0.06-0.1 g/kg  |
| Taurine                           | 14.03.01    | Milk containing beverages   | 0.1-0.5 g/kg   |
|                                   | 14.04.02.01 | Beverage for special uses   | 0.1-0.5 g/kg   |
|                                   | 14.04.02.01 | Flavored beverages  | 0.4-0.6 g/kg   |
|                                   | 14.04.02.02 | Solid beverages   | 1.1-1.4 g/kg   |
|                                   |             | Jelly   |  |
|                                   | 16.01       |   | 0.3-0.5 g/kg   |
|                                   | 01.03.02    | Modified milk powder (excluding children usage)   | 300-400 mg   |
|                                   | 01.00.02    | Modified milk powder (for children only)  | 50-150 mg/kg   |
| L-carnitine                       | 14.02.03    | Fruit and vegetable (pulp) juices   | 600-3000 mg/kg   |
|                                   | 14.03.01    | Milk containing drinks  | 600-3000 mg/kg   |
|                                   | 14.04.02.01 | Products with special uses (for sports beverages only)  | 100-1000 mg/kg   |
|                                   | 14.04.02.02 | Flavored beverages  | 600-3000 mg/kg   |
|                                   | 14.06       | Solid beverages   | 6000-30000 mg/kg                                       |
| γ-linoelic acid                   | 01.03.02    | Modified milk powder and modified cream powder (including flavored milk powder and flavored cream powder) | 20-50 g/kg   |
|                                   | 02.01.01.01 | Vegetable oil   | 20-50 g/kg   |
|                                   | 14.0        | Beverages (excluding packaged drinking water mentioned in 14.01)  | 20-50 g/kg   |
| Lutein                            | 01.03.02    | Modified milk powder (for children only, measurements of liquids will be done after dilution)             | 1620-2700 μg/kg  |
| Oligofructose                     | 01.03.02    | Modified milk powder (For children and pregnant women)  | ≤64.5 g/kg   |
| 1,3-dioleoyl-2-palmitoyl-glycerol | 01.03.02    | Modified milk powder (for children only, measurements of liquids will be done after dilution)             | 24-96 g/kg   |
| Arachidonic acid (AA or ARA)      | 01.03.02    | Modified milk powder (for children only)  | ≤1% (percentage of total fatty acids)                  |
| DHA                               | 01.03.02    | Modified milk powder (for children only)  Modified milk powder for pregnant                               | ≤0.5% (percentage of total fatty acids) 300-1000 mg/kg |
| Lactorferrin                      | 01.01.03    | women only)  Modified milk products   | ≤1.0 g/kg  |
|                                   |             |   |  |

|  | 01.02.02 | Flavored fermented products  | ≤1.0 g/kg  |
|--|----------|--|--|
|  | 14.03.01 | Milk containing beverages  | ≤1.0 g/kg  |
| Coloium aggain pantida   | 06.0     | Rice and derived products (rice, rice vermicelli, rice cake) (excluding products covered under 06.01 and 07.0) | ≤1.6 g/kg  |
| Calcium casein peptide   | 14.0     | Beverages (Excluding beverages covered in 14.01)   | ≤1.6 g/kg (Usage can be increased after dilution for solid beverages |
|  | 01.01.03 | Modified milk products   | ≤1.6 g/kg  |
|  | 01.02.02 | Flavored fermented products  | ≤1.6 g/kg  |
| Casein phosphopeptides   | 6.0      | Rice and derived products (rice, rice vermicelli, rice cake) (excluding products covered under 06.01 and 07.0) | ≤1.6 g/kg  |
|  | 14.0     | Beverages (excluding the foodstuffs mentioned in 14.01 and 14.06)  | ≤1.6 g/kg (Usage can be increased after dilution for solid beverages |
| A The use of table A.1 is in accordance to the categorization number and name of product |          |  |  |

# Appendix B Standardized Appendix List of allowed source of nutritional fortification substances

| Nutrients               | The source of nutritional compounds                                  |
|-------------------------|--|
|                         | Retinol acetate (Vitamin A acetate)                                  |
| Vitamin A               | Retinol palmitate (Vitamin A palmitate)                              |
|                         | B-carotene   |
| B-carotene              | B-carotene   |
| Vitamin D               | Ergocalciferol (Vitamin D <sub>2</sub> )                             |
| Vitamin D               | Cholecalciferol (Vitamin D₃)   |
|                         | d-α tocopherol   |
|                         | dl-α tocopherol  |
|                         | dl-α tocopheryl acetate  |
| Vitania F               | dl-α tocopheryl acetate  |
| Vitamin E               | Mixed tocopherol concentrate   |
|                         | Vitamin E succinate calcium  |
|                         | d-α-tocopherol succinate   |
|                         | dl-α-tocopherol succinate  |
| Vitamin K               | Phytonadione   |
| Vitamin D               | Thiamine hydrochloride   |
| Vitamin B₁              | Thiamine mononitrate   |
| Vitamin D               | Riboflavin   |
| Vitamin B <sub>2</sub>  | Riboflavin-5'-phosphate  |
| Vitamin D               | Pyridoxine phosphate   |
| Vitamin B <sub>6</sub>  | 5-pyridoxine phosphate   |
|                         | Cyanocobalamine  |
| Vitamin B <sub>12</sub> | Cyanocobalamine hydrochloride  |
|                         | Hydroxocobalamin   |
|                         | L-ascorbic acid  |
|                         | Calcium L-ascorbate  |
| Vitamin C               | Vitamin C magnesium phosphate  |
| Vitariiii C             | Sodium L-ascorbate   |
|                         | L-ascorbic acid, L-ascorbic acid, potassium -6 - palmitate (ascorbyl |
|                         | palmitate  |
| Niacin                  | Niacin   |
| Naciii                  | Nicotinamide   |
| Folic acid              | Folic acid   |
| Pantothenic acid        | D-calcium pantothenate   |
| r antotherne acid       | D-sodium pantothenate  |
| Biotin                  | D-biotin   |
| Choline                 | Choline  |
| Choline                 | Choline bitartrate   |
| Inositol                | Inositol   |

|         | Famous cultata                          |
|---------|---|
|         | Ferrous sulfate                         |
|         | Ferrous gluconate                       |
|         | Ferric ammonium citrate                 |
|         | Ferrous fumarate                        |
|         | Ferric citrate                          |
|         | Ferrous lactate                         |
|         | Hemin                                   |
|         | Ferric pyrophosphate                    |
|         | Iron porphyrin                          |
| Iron    | Ferrous glycine                         |
|         | Ferrum redactum                         |
|         | Sodium iron EDTA                        |
|         | Carbonyl iron                           |
|         | Ferrous carbonate                       |
|         | Ferrous citrate                         |
|         | Ferrous fumarate                        |
|         | Ferrous succinate                       |
|         | Heme iron                               |
|         | Electrolytic iron                       |
|         | Calcium Carbonate                       |
|         | Calcium gluconate                       |
|         | Calcium citrate                         |
|         | Lactate                                 |
|         | L-lactate                               |
|         | Dicalcium                               |
|         | L-threonate                             |
|         | Bisglycinatocalcium                     |
|         | Calcium Aspartate                       |
| Calcium | Calcium citrate malate                  |
|         | Calcium acetate (calcium acetate)       |
|         | Calcium chloride                        |
|         | Tricalcium phosphate (phosphate)        |
|         | Vitamin E succinate calcium             |
|         | Glycerol phosphate                      |
|         | Calcium oxide                           |
|         | Calcium sulfate                         |
|         | Bone powder (superfine fresh bone meal) |
|         | Zinc sulfate                            |
|         | Zinc surate Zinc gluconate              |
|         | Zinc glycinate                          |
| Zinc    | Zinc grycinate  Zinc oxide              |
| 2110    | Zinc lactate                            |
|         | Zinc lactate  Zinc citrate              |
|         | Zinc ditate  Zinc chloride              |
|         | Zinc Gilonae                            |

|                                   | Zinc acetate  |
|-----------------------------------|---|
|                                   | Zinc carbonate  |
|                                   | Selenite  |
|                                   | Selenium Sodium   |
|                                   | Selenoproteins  |
| Selenium                          | Se mushroom powder  |
|                                   | L-Se - methyl selenocysteine selenide carrageenan (only for 14.03.01 milk |
|                                   | drinks) selenium yeast (only for 14.03.01 milk drinks)                    |
|                                   | Magnesium   |
|                                   | Magnesium chloride  |
|                                   | Magnesia  |
| Magnesium                         | Magnesium carbonate   |
|                                   | -   |
|                                   | Magnesium hydrogen phosphate  |
|                                   | Magnesium gluconate   |
|                                   | Copper sulfate  |
| Copper                            | Copper gluconate  |
|                                   | Copper citrate  |
|                                   | Copper carbonate  |
|                                   | Manganese sulfate   |
|                                   | Manganese chloride  |
| 9                                 | Manganese carbonate   |
|                                   | Manganese citrate   |
|                                   | Manganese gluconate   |
|                                   | Potassium gluconate   |
|                                   | Potassium citrate   |
|                                   | Potassium dihydrogen phosphate  |
|                                   | Dipotassium hydrogen phosphate  |
|                                   | Potassium chloride  |
| Phoenhorus                        | Calcium phosphate   |
| ·                                 | Calcium hydrogenphosphate   |
| I -I vsine                        | L-lysinehydrochloride   |
| ·                                 | L-lysine-aspartate  |
| Taurine                           | Aminoethanesulfonic acid  |
| L-carnite                         | L-carnitine-L-tartrate  |
| _ carrile                         | L-carnitine   |
| γ-linoelic acid                   | γ-linoelic acid   |
| Lutein                            | Lutein (source: marigold)   |
| Oligofructose                     | Oligofructose (source: chicory)   |
| 1,3-dioleoyl-2-palmitoyl-glycerol | 1,3-dioleoyl-2-palmitoyl-glycerol   |
| Arachiodonic acid (AA or ARA)     | Arochidonic acid oil (source: Mortierella alpine)                         |
| DHA                               | DHA single cell oil, Source: schizochytrium sp., Ulkenia amoeboida,       |
| DHA                               | crypthecodinium cohnii, tuna oil  |
| Calcium casein peptide            | Calcium casein peptide  |
| Casein phosphopeptides            | Casein phosphopeptides  |

# Appendix C Standardized Appendix

## List of source of nutritional fortification substances for food for special dietary uses

#### C.1: List of source of nutritional fortification substances for food for special dietary uses

| Nutrients                               | The source of nutritional compounds                                      |
|---|--|
|   | Retinol acetate (Vitamin A acetate)                                      |
| Vitamin A                               | Retinol palmitate (Vitamin A palmitate)                                  |
|   | B-carotene   |
|   | All-trans-retinol  |
| Miles de D                              | Ergocalciferol (Vitamin D <sub>2</sub> )                                 |
| Vitamin D                               | Cholecalciferol (Vitamin D <sub>3</sub> )                                |
|   | d-α tocopherol   |
|   | dl-α tocopherol  |
| Vitamin E                               | dl-α tocopheryl acetate  |
| Vitamin E                               | dl-α tocopheryl acetate  |
|   | Mixed tocopherol concentrate   |
|   | d-α-tocopherol succinate   |
| Vitamin K                               | Phytonadione   |
| \"                                      | Thiamine hydrochloride   |
| Vitamin B₁                              | Thiamine mononitrate   |
|   | Riboflavin   |
| Vitamin B <sub>2</sub>                  | Riboflavin-5'-phosphate  |
| \"                                      | Pyridoxine phosphate   |
| Vitamin B <sub>6</sub>                  | 5-pyridoxine phosphate   |
| \"                                      | Cyanocobalamine  |
| Vitamin B <sub>12</sub>                 | Cyanocobalamine hydrochloride  |
|   | L-ascorbic acid  |
| \": \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | Sodium L-ascorbate   |
| Vitamin C                               | Calcium L-ascorbate  |
|   | L-ascorbic acid, potassium ascorbate -6 – palmitate (ascorbyl palmitate) |
| A.P                                     | Niacin   |
| Niacin                                  | Nicotinamide   |
| Folic acid                              | Folic acid   |
| D (4) 1 11                              | D-calcium pantothenate   |
| Pantothenic acid                        | D-sodium pantothenate  |
| Biotin                                  | D-biotin   |
| a                                       | Choline chloride   |
| Choline                                 | Choline bitartrate   |
| Inositol                                | Inositol   |
|   | Sodium bicarbonate   |
| 0 "                                     | Sodium dihydrogen phosphate  |
| Sodium                                  | Sodium citrate   |
|   | Sodium   |

|           | Disodium hydrogen phosphate   |
|-----------|---|
|           | Potassium gluconate   |
|           | Potassium citrate   |
| Potassium | Potassium dihydrogen phosphate                                      |
| rotassium | Dipotassium hydrogen phosphate                                      |
|           | Potassium chloride  |
|           |   |
|           | Copper sulfate  |
| Copper    | Copper gluconate  |
|           | Copper citrate  |
|           | Copper carbonate  |
|           | Magnesium sulfate   |
|           | Magnesium chloride  |
| Magnesium | Magnesium oxide   |
|           | Magnesium carbonate   |
|           | Magnesium hydrogen phosphate  |
|           | Magnesium gluconate   |
|           | Ferrous sulfate   |
|           | Ferrous gluconate   |
|           | Ferric ammonium citrate   |
| Iron      | Ferrous fumarate  |
|           | Ferric citrate  |
|           | Ferric pyrophosphate  |
|           | Sodium iron EDTA (only for food supplement nutritional supplements) |
|           | Zinc sulfate  |
|           | Zinc gluconate  |
|           | Zinc oxide  |
| Zinc      | Zinc lactate  |
|           | Zinc citrate  |
|           | Zinc chloride   |
|           | Zinc acetate  |
|           | Manganese sulfate   |
|           | Manganese chloride  |
| Manganese | Manganese carbonate   |
|           | Manganese citrate   |
|           | Manganese gluconate   |
|           | Calcium carbonate   |
|           | Calcium gluconate   |
|           | Calcium citrate   |
|           | L- calcium lactate  |
| Calcium   | Calcium hydrogenphosphate   |
|           | Tricalcium phosphate  |
|           | Calcium phosphate   |
|           | Calcium glycerophosphate  |
|           | Calcium oxide   |

|                            | Calcium sulfate  |
|----------------------------|--|
| Phosphorus                 | Calcium phosphate  |
| Filospilorus               | Calcium hydrogenphosphate  |
|                            | Potassium iodide   |
| Iodine                     | Sodium iodide  |
|                            | Potassium iodate   |
| Selenium                   | Selenium   |
| Seleman                    | Sodium selenite  |
| Chromium                   | Chromium sulfate   |
| Cilionilani                | Chromic chloride   |
| Molybdenum                 | Sodium molybdae  |
| Morybaenam                 | Ammonium molybdate   |
| Taurine                    | Taurine (aminoethyl sulfonic acid)                                 |
| L-methioine (L-methionine) | Non animal origin  |
| L-tyrosine                 | Non animal origin  |
| L-tryptophane              | Non-animal origin  |
| L-carnitine                | L-carnitine  |
| L-camitine                 | L-carnitine-tartrate   |
| DHV                        | DHA single cell oil, Souce: schizochytrium sp., Ulkenia amoeboida, |
| DHA                        | crypthecodinium cohnii, tuna oil                                   |
| Arachiodonic acid (AA)     | Arochidonic acid oil (source: Mortierella alpine)                  |

#### C.2 Other nutrients and their application amount used in formula for infants and young children

| Name   | Product category number | Name of product type                                | Application amount  |
|--|-------------------------|---|---|
| Galacto-Oligosaccharides Fructo-oligosaccharide Polyfructose (contain Fructo-oligosaccharide) Raffinose  | 13.01<br>13.02.01       | Infant formula<br>Infant cereal food<br>supplements | Used alone or in combination, the total amount of these substances cannot exceed 64.5g/kg |
| Polydextrose   | 13.01                   | Infant formula                                      | 15.6 g/kg ~ 31.25 g/kg  |
|  | 13.01.01                | Infant formula                                      | 32-96 g/kg  |
| 1,3-dioleoyl-2-palmitoyl-glycerol  | 13.01.02                | Older infants and infant formula food               | 24-96 g/kg  |
|  | 13.01.03                | Infant formula for special medical purposes         | 32-96 g/kg  |
|  | 13.01.01                | Infant formula                                      | 300-2000 μg /kg   |
| Lutein   | 13.01.02                | Older infants and infant formula food               | <b>1620-4230</b> μg/kg  |
|  | 13.01.03                | Infant formula for special medical purposes         | 300-2000 μg/kg  |
| DHA  | 13.02.01                | Infant cereal food supplements                      | ≤1150 mg/kg   |
| Arachiodonic acid (AA or ARA)  | 13.02.01                | Infant cereal food supplements                      | ≤2300 mg/kg   |
| Nucleotie Sources including the following compounds: Adenosine-5'-monophosphate Adenosine'-monophosphate disodium salt Cytidine-5'-monophosphate Cytidine-5'-monophosphate Cytidine-5'-monophosphate Guanosine-5'-monophosphate Guanosine-5'-monophosphate disodium salt Inosine-5'-monophosphate Inosine-5'-diphosphoric acid disodium salt Urdine-5'-monophosphate Urdine-5'-monophosphate | 13.01                   | Infant formula                                      | 0.12-0.58g/kg (in terms of total nucleotides)   |
| Lactoferrin  | 13.01                   | Infant formula                                      | ≤1.0 g/kg   |
|  | 13.01                   | Infant formula                                      | ≤3.0 g/kg   |
| Casein calcium peptide   | 13.02                   | Infant food supplements                             | ≤3.0 g/kg   |
|  | 13.01                   | Infant formula                                      | ≤3.0 g/kg   |
| Casein phosphopeptides  a. The application amount shown above  | 13.02                   | Infant food supplements                             | ≤3.0 g/kg   |

a. The application amount shown above is limited in powdered infant formula. In the liquid infant formula, the amount should be calculated based on the corresponding dilution factor.

# Appendix D

## **Information Appendix**

#### Classification of food as carriers of nutritional fortification substances

| Food codes  | Classification/name  |
|-------------|--|
| 01.0        | Milk and dairy products (excluding food for special dietary uses mentioned in 13.0)  |
| 01.01       | Milk and modified milk   |
| 01.01.01    | Pure milk (whole milk, partly skimmed, skimmed), including reconstituted milk  |
| 01.01.02    | Sterilized milk  |
| 01.01.03    | Modified milk  |
| 01.02       | Fermented milk   |
| 01.02.01    | Plain fermented milk (whole milk, partly skimmed, skimmed)   |
| 01.02.02    | Flavored fermented milk and fruit fermented milk   |
| 01.03       | Milk powder (including milk powder with sugar added), cream powder and its modified products   |
| 01.03.01    | Milk powder (whole milk, skimmed, partly skimmed) and cream powder   |
| 01.03.02    | Modified milk powder and modified cream powder (including flavored milk powder and flavored cream)   |
| 01.04       | Condensed milk and its modified products   |
| 01.04.01    | Condensed milk (plain)   |
| 01.04.02    | Modified condensed milk (including sweet condensed milk, flavored sweet condensed milk and other modified condensed milk manufactured by non-milk ingredients) |
| 01.05       | Cream (cream) and similar products   |
| 01.06       | Cheese and processed cheese  |
| 01.07       | Ready-to-eat flavored deserts or their pre-made products manufactured by using milk as the   |
| 01.07       | main ingredient (excluding ice cream and flavored yogurt)  |
| 01.08       | Other milk derived products (whey powder, casein powder etc.)  |
| 02.0        | Fats, oils and emulsified fat products   |
| 02.01       | Anhydrous fats and oils  |
| 02.01.01    | Vegetable oils   |
| 02.01.01.01 | Vegetable oils   |
| 02.01.01.02 | Hydrogenated vegetable oils  |
| 02.01.02    | Animal fats (lard, butter, fish oil and other animal fats)   |
| 02.01.03    | Anhydrous butter, anhydrous cream,   |
| 02.02       | Water-in-oil or oil-in-water emulsified product  |
| 02.02.01    | Emulsified products with fat content more than 80%   |
| 02.02.01.01 | Butter and condensed butter  |
| 02.02.01.02 | Margarine and similar products (e.g. mixture of butter and margarine)  |
| 02.02.02    | Emulsified products with fat content less than 80%   |
| 02.03       | Emulsified products, including the mixed and/or flavored emulsified products (excluding the products mentioned in 02.02)                                       |
| 02.04       | Fat-based desserts   |
| 02.05       | Other fats for fat-based products  |
| 03.0        | Frozen drinks  |
| 03.01       | Ice-cream  |
| 03.02       | Ice-cream  |
| 03.03       | Flavored ice, popsicles  |
| 03.04       | Edible ice   |
| 03.05       | Other frozen drinks  |
| 04.0        | Fruits, vegetables (including root vegetables), beans, edible mushrooms, algae, nuts, seeds etc.   |
| 04.01       | Fruits   |
| 04.01.01    | Fresh fruits   |

| 04.01.02    | Processed fruits   |
|-------------|--|
| 04.01.02.01 | Canned fruits  |
| 04.01.02.02 | Puree  |
| 04.02       | Vegetables   |
| 04.02.01    | Fresh vegetables   |
| 04.02.02    | Processed vegetables   |
| 04.02.02    | Edible mushroom and algae  |
| 04.03.01    | Fresh edible mushroom and algae  |
| 04.03.01    | Processed edible mushroom and algae  |
| 04.03.02    |  |
|             | Bean products  |
| 04.04.01    | Non-fermented bean products  |
| 04.04.01.01 | Tofu (north tofu, south tofu, lactone tofu, frozen tofu)   |
| 04.04.01.02 | Dried tofu   |
| 04.04.01.03 | Processed dried tofu   |
| 04.04.01.04 | Bean curd sticks (bean curd sticks, oily bean curd sheets)                                       |
| 04.04.01.05 | New-type bean products (puffed food made from, veg-meat)   |
| 04.04.01.06 | Cooked bean products   |
| 04.04.01.07 | Grain flour (soybean flour only) and derived products  |
| 04.04.01.08 | Soybean  |
| 04.04.02    | Fermented bean products  |
| 04.04.02.01 | Pickled bean curd  |
| 04.04.02.02 | Fermented soya beans and derived 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, chocolate and derived products (chocolate substitutes) and candy                 |
| 05.01       | Cocoa products, chocolate and derived products including chocolate substitutes                   |
| 05.01.01    | Cocoa products using cocoa as the main ingredient (cocoa butter, powder, spread, paste, filling) |
| 05.01.02    | Chocolate and derived products, cocoa products (excluding cocoa products mentioned in 05.01.01)  |
| 05.01.03    | Chocolate substitutes and chocolate similar products made from cocoa substitutes                 |
| 05.02       | Candy  |
| 05.02.01    | Hard candy   |
| 05.02.02    | Hard bonbons   |
| 05.03       | Candy and chocolate coated products  |
| 05.04       | Coating of candy and chocolate products  |
| 06.0        | Decorative candy (e.g. garnish, cake decoration), topping (non-fruit materials) and syrup        |
|             | Cereals and derived products, including rice, flour, coarse grain, root crops, pulse and corn    |
| 06.01       | starch (excluding the Bakery products mentioned in 07.0)   |
| 06.02       | Cereals  |
| 06.02.01    | Rice and derived products (rice, rice vermicelli, rice cake)                                     |
| 06.02.02    | Rice   |
| 06.02.03    | Rice products  |
| 06.02.04    | Rice flour (including glutinous rice flour)  |
| 06.03       | Rice vermicelli  |
| 06.03.01    | Wheat flour and derived products   |
| 06.03.02    | Other special-purpose flour  |
| 06.04       | Batter (e.g. batter used in cooking fish and poultry), fried coating powder, frying powder       |
| 06.04.01    | Coarse grain flour   |
| 06.04.02    | Coarse grained flour derived products  |
| 06.04.02.01 | Caned mixed congee   |
| 06.04.02.02 | Other coarse grain derived products  |
| 06.05       | Starch and derived products  |
| 06.05.01    | Edible starch  |
| L           | •  |

| 06.05.02       | Starch derived products  |
|----------------|--|
| 06.05.02.01    | Vermicelli, rice noodle  |
| 06.05.02.01    | Prawn chips  |
| 06.05.02.02    | Lotus root starch  |
| 06.05.02.04    | Tapioca ball   |
| 06.05.02.04    |  |
| 06.06          | Ready-to-eat cereals, including oats and rolled oats  Instant rice or instant noodle                                     |
|                |  |
| 06.08<br>06.09 | Frozen rice or noodle  |
|                | Cereal and starch dessert (e.g. rice pudding, cassava pudding)   |
| 06.10          | Fillings made from cereals   |
| 07.0           | Bakery products  |
| 07.01          | Bread  |
| 07.02          | Pastry   |
| 07.02.01       | Chinese pastry   |
| 07.02.02       | Western pastry   |
| 07.02.03       | Moon cake  |
| 07.02.04       | Topping  |
| 07.03          | Biscuit  |
| 07.03.01       | Sandwich and decorative crackers   |
| 07.03.02       | Waffles  |
| 07.03.03       | Egg rolls  |
| 07.03.04       | Other biscuits   |
| 07.04          | Fillings of bakery products  |
| 07.05          | Other bakery products  |
| 08.0           | Meat and meat products   |
| 08.01          | Raw fresh meat   |
| 08.02          | Pre-made meat products   |
| 08.03          | Cooked meat products   |
| 08.03.01       | Stewed meat products   |
| 08.03.02       | Smoked, barbecued, roasted meat  |
| 08.03.03       | Deep-fried meat  |
| 08.03.04       | Western ham (roasted, smoked, steamed ham)   |
| 08.03.05       | Sausages   |
| 08.03.06       | Fermented meat products  |
| 08.03.07       | Cooked dried meat products   |
| 08.03.07.01    | Dried meat floss   |
| 08.03.07.02    | Dried meat   |
| 08.03.07.03    | Fried meat crisps  |
| 08.03.08       | Canned meat  |
| 08.03.09       | Edible sausage casings   |
| 08.03.10       | Other meat and derived products  |
| 09.0           | Aquatic products and derived products (including fish, crustacean, shellfish, mollusk, echinoderms and derived products) |
| 09.01          | Fresh aquatic products   |
| 09.02          | Frozen aquatic and derived products  |
| 09.03          | Pre-made aquatic products (semi-manufactured products)   |
| 09.04          | Cooked dried aquatic products (ready-to-eat)   |
| 09.05          | Canned aquatic products  |
| 09.06          | Other aquatic products and derived products  |
| 10.0           | Eggs and derived products  |
| 10.01          | Fresh eggs   |
| 10.02          | Processed eggs (the physical properties are not changed)   |
| 10.02          | Egg product (the physical properties are changed)  |
| 10.03.01       | Dehydrated egg products (e.g. egg white powder, egg yolk powder, egg white tablet)                                       |
| 10.03.01       | Thermo-coagulated egg products (egg cheese, thousand-year egg sausages)  |
| 10.03.02       | Frozen egg products  Frozen egg products   |
| 10.03.03       | i rozen egg products   |

| 10.04 Other egg products 11.01 Sugar, including honey 11.01 Sugar and sugar products (e.g. sucrose, beet sugar, crystal sugar, fructose etc.) 11.01.01 Sugar and sugar products (e.g. sucrose, beet sugar, crystal sugar, fructose etc.) 11.01.02 Other sugar and syrup (brown sugar, brown granulated sugar, maple syrup) 11.02 Starch sugar (fructose, glucose, maltose; partially invert sugar, including malaises) 11.03 Honey and pollen 11.04 Table sugar 11.05 Flavored syrup 11.06 Other sweetener 12.0 Condiment 12.01 Salt and salt substitutes 12.02 Flavor enhancer 12.03 Vinegar 12.04 Soy sauce 12.05 Sauces and derived products 12.06 12.07 Cooking wine and derived products 12.08 12.09 Spices 12.00 Spices 12.10.01 Solid mixed seasonings 12.10.01 Solid mixed seasonings 12.10.02 Semi-solid mixed seasoning (sextuding 12.03, 12.04) 12.10 Semi-solid mixed seasoning (sextuding 12.03, 12.04) 12.11 Other seasonings 13.00 Food for special dietary uses 13.01 Formula for infant and young children 13.01.02 Formula for infant and young children 13.01.03 Irlant formula for special medical purpose 13.02 Complementary foods for infants and young children 13.03.03 Formula for special medical purpose 13.04 Other foods for special dietary uses (excluding the products mentioned in 13.01-13.04) 13.05 Food for special dietary uses except for the products mentioned in 13.01-13.04) 14.01 Packaged drinking water 14.02 Furtiand vegetable juices (excluding products mentioned in 13.01-13.04) 14.01 Packaged drinking water 14.02 Fruit and vegetable juices (excluding products mentioned in 13.01-13.04) 14.03 Protein containing drinks 14.04.02 Furtiand vegetable juices (excluding sports drinks, nutritional drinks etc.) 14.04.02 Fruit and vegetable juices (including sports drinks, nutritional drinks and other flavored beverages 14.04.04 Water-based flavored beverages 14.04.05 Fivered beverages (fruit flavored drinks, flavored milk, tea flavored drinks and other flavored beverages) 14.05.07 Fivered beverages (fruit flavored drinks, flavored milk, tea f      | 10.03.04    | Liquid eggs                           |
|---|-------------|---------------------------------------|
| 11.01   Sugar, including honey  |             |                                       |
| 11.01   Sugar and sugar products (e.g. sucrose, beet sugar, crystal sugar, fructose etc.)   |             |                                       |
| 10.10   Sugar and sugar products (e.g. sucrose, beet sugar, crystal sugar, fructose etc.)   |             |                                       |
| 11.01.02 Other sugar and syrup (brown sugar, brown granulated sugar, maple syrup) 11.03 Honey and pollen 11.04 Table sugar 11.05 Flavored syrup 11.06 Other sweetener 12.00 Condiment 12.01 Salt and salt substitutes 12.02 Flavore enhancer 12.03 Vinegar 12.04 Soy sauce 12.05 Sauces and derived products 12.06 12.07 Cooking wine and derived products 12.08 12.09 Spices 12.09 Spices 12.10.01 Solid mixed seasonings 12.10.01 Solid mixed seasonings 12.10.01 Solid mixed seasonings 12.10.02 Semi-solid mixed seasonings 12.10.03 Liquid mixed seasonings 12.10.01 Solid mixed seasoning (secluding 12.03, 12.04) 12.10.10 Semi-solid mixed seasoning (secluding 13.03, 12.04) 12.11 Other seasonings 13.01 Formula for infant and young children 13.01.02 Formula for older infant and young children 13.01.03 Infant formula for special medical purpose 13.02 Complementary foods for infants and young children 13.02.01 Infant cereal food supplements 13.02 Complementary foods for infants and young children 13.03.03 Formula for infant and young children 13.04.05 Food for special dietary uses (excluding the products mentioned in 13.01.13.04) 13.09 Formula for infant and young children 13.00 Food for special dietary uses (excluding the products mentioned in 13.01.13.04) 13.01 Formula for infant and young children 13.02.02 Canned infant complementary food 13.03 Formula for older infant and young children 13.04.05 Food for special dietary uses except for the products mentioned in 13.01.13.03) 13.04 Formula for infant and young children 13.05 Food for special dietary uses except for the products mentioned in 13.01.13.03) 13.05 Food for special dietary uses except for the products mentioned in 13.01.13.03) 13.06 Food for special dietary uses (excluding products mentioned in 13.01.13.04) 14.00 Fruit and vegetable juices (squash) 14.01 Packaged drinking water 14.02 Fruit and vegetable juices (squash) 14.03 Protein containing drinks 14.03 Protein containing drinks 14.03 Protein containing drinks 14.03 Protein containing drinks 14.04 Water-based fla      |             | · ·                                   |
| 11.02   Starch sugar (fructose, glucose, maltose; partially invert sugar, including malaises)   |             |                                       |
| Honey and pollen  |             |                                       |
| 11.04   |             |                                       |
| 11.06 Other sweetener 12.0 Condiment 12.01 Salt and salt substitutes 12.02 Flavor enhancer 12.03 Vinegar 12.04 Soy sauce 12.05 Sauces and derived products 12.06 12.07 Cooking wine and derived products 12.08 12.09 Spices 12.10 Mixed seasonings 12.10.01 Solid mixed seasonings 12.10.01 Solid mixed seasonings 12.10.01 Solid mixed seasonings 12.10.02 Semi-solid mixed seasonings 12.10.03 Liquid mixed seasonings 12.10.03 Liquid mixed seasonings 12.10.03 Liquid mixed seasoning (excluding 12.03, 12.04) 12.11 Other seasoning 13.01 Food for special dietary uses 13.01 Formula for infant and young children 13.01.02 Formula for older infant and young children 13.01.03 Infant formula for special medical purpose 13.02 Complementary foods for infants and young children 13.02.01 Infant cereal food supplements 13.02.02 Canned infant complementary food 13.03 Food for special dietary uses (excluding the products mentioned in 13.01) and Food for special medical purpose (excluding the products mentioned in 13.01) and Other foods for inspecial medical purpose (excluding the products mentioned in 13.01) and Packaged drinking water 14.02 Furtil and vegetable juices (squash) 14.01 Packaged drinking water 14.02 Furtil and vegetable juices (squash) 14.03 Fruit and vegetable juices (squash) 14.04 Water-based flavored beverages 14.04 Water-based flavored beverages 14.04 Water-based flavored beverages 14.04 Water-based flavored beverages 14.05 Feach contained drinks flavored drinks, flavored milk, tea flavored drinks and other flavored beverages 14.05 Feach contained drinks flavored drinks, flavored milk, tea flavored drinks and other flavored beverages 14.05 Feach contained drinks and other flavored drinks and other flavored beverages 14.05 Feach contained drinks and other flavored drinks and other flavored beverages 14.05 Feach contained drinks and other flavored drinks and other flavored beverages   |             | ·                                     |
| 11.06   Other sweetener   |             |                                       |
| 12.0  |             |                                       |
| 12.01   Salt and salt substitutes   |             |                                       |
| 12.02   |             |                                       |
| 12.03   Vinegar     12.04   Soy sauce     12.05   Sauces and derived products     12.06   |             |                                       |
| 12.04 Soy sauce 12.05 Sauces and derived products 12.06 12.07 Cooking wine and derived products 12.08 12.09 Spices 12.10 Mixed seasonings 12.10.01 Solid mixed seasonings 12.10.02 Semi-solid mixed seasonings 12.10.03 Liquid mixed seasoning (excluding 12.03, 12.04) 12.11 Other seasonings 13.01 Food for special dietary uses 13.01 Formula for infant and young children 13.01.02 Formula for older infant and young children 13.01.03 Infant formula for special medical purpose 13.00 Complementary foods for infants and young children 13.02.01 Infant cereal food supplements 13.02.02 Canned infant complementary food 13.03 Formula for special dietary uses except for the products mentioned in 13.01-13.03) 13.04 Other foods for special dietary uses except for the products mentioned in 13.01-13.03 (14.0 Beverages 14.01 Packaged drinking water 14.02 Fruit and vegetable juices 14.02 Fruit and vegetable juices 14.02 Fruit and vegetable juices 14.03 Protein containing drinks 14.03 Protein containing drinks 14.03 Protein containing drinks 14.03 Vegetable protein containing drinks 14.04 Water-based flavored beverages 14.04.02 Fruit and vegetable beverages 14.04.02 Flavored beverages 14.05.01 Tea   |             |                                       |
| 12.05 Sauces and derived products 12.06 12.07 Cooking wine and derived products 12.08 12.09 Spices 12.10 Mixed seasonings 12.10.01 Solid mixed seasonings 12.10.02 Semi-solid mixed seasonings 12.10.03 Liquid mixed seasoning (excluding 12.03, 12.04) 12.11 Other seasonings 13.01 Food for special dietary uses 13.01 Formula for infant and young children 13.01.01 Infant formula 13.01.02 Formula for infant and young children 13.01.03 Infant formula for special medical purpose 13.02 Complementary foods for infants and young children 13.02.01 Infant complementary food 13.03 Formula for special medical purpose 13.02 Canned infant complementary food 13.03 Formula for special medical purpose (excluding the products mentioned in 13.01) 13.04 Other foods for special dietary uses except for the products mentioned in 13.01-13.03) 14.0 Beverages 14.01 Packaged drinking water 14.02 Fruit and vegetable juices (squash) 14.02 Fruit and vegetable juices (squash) 14.03 Protein containing drinks 14.03.01 Milk containing drinks 14.03.02 Vegetable protein containing drinks 14.03.03 Compound protein beverages 14.04 Water-based flavored beverages 14.04 Water-based flavored beverages 14.05.01 Tea.   |             |                                       |
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| 12.08   |             |                                       |
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| 12.10.02 Semi-solid mixed seasonings 12.10.03 Liquid mixed seasoning (excluding 12.03, 12.04) 12.11 Other seasonings 13.0 Food for special dietary uses 13.01 Formula for infant and young children 13.01.01 Infant formula 13.01.02 Formula for older infant and young children 13.01.03 Infant formula 13.02 Complementary foods for infants and young children 13.02 Complementary foods for infants and young children 13.02 Canned infant complements 13.02 Canned infant complements 13.02 Canned infant complements 13.03 Formula for special medical purpose (excluding the products mentioned in 13.01) 13.04 Other foods for special dietary uses except for the products mentioned in 13.01-13.04 14.0 Beverages 14.01 Packaged drinking water 14.02 Fruit and vegetable juices (excluding products mentioned in 13.01-13.04) 14.02 Fruit and vegetable juices 14.02.03 Fruit and vegetable juices 14.03.09 Frotein containing drinks 14.03.00 Vegetable protein containing drinks 14.03.01 Milk containing drinks 14.03.02 Vegetable protein containing drinks 14.04 Water-based flavored beverages 14.04.02 Non-carbonated drinks 14.04.02 Flavored beverages 14.04.02 Flavored beverages 14.04.02 Flavored beverages (fruit flavored drinks, flavored milk, tea flavored drinks and other flavored beverages) 14.05 Tea, coffee, botanical beverages  |             |                                       |
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| 13.01   Formula for infant and young children   13.01.01   Infant formula   13.01.02   Formula for older infant and young children   13.01.03   Infant formula for special medical purpose   13.02   Complementary foods for infants and young children   13.02.01   Infant cereal food supplements   13.02.02   Canned infant complementary food   13.03   Formula for special medical purpose (excluding the products mentioned in 13.01)   13.04   Other foods for special dietary uses except for the products mentioned in 13.01-13.03)   13.05   Food for special dietary uses (excluding products mentioned in 13.01-13.03)   14.0   Beverages   14.01   Packaged drinking water   14.02   Fruit and vegetable juices (squash)   14.02.02   Fruit and vegetable juices (squash)   14.02.03   Fruit and vegetable juices (squash)   14.03   Protein containing drinks   14.03.01   Milk containing drinks   14.03.02   Vegetable protein containing drinks   14.03.03   Compound protein beverages   14.04   Water-based flavored beverages   14.04.01   Carbonated beverages   14.04.02   River and the second protein |             |                                       |
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| 14.02Fruit and vegetable juices14.02.01Fruit and vegetable juices (squash)14.02.02Condensed fruit and vegetable juice (squash)14.02.03Fruit and vegetable (pulp) juices14.03Protein containing drinks14.03.01Milk containing drinks14.03.02Vegetable protein containing drinks14.03.03Compound protein beverages14.04Water-based flavored beverages14.04.01Carbonated drinks14.04.02Non-carbonated beverages14.04.02.01Beverages for special purpose (including sports drinks, nutritional drinks etc.)14.04.02.02Flavored beverages (fruit flavored drinks, flavored milk, tea flavored drinks and other flavored beverages)14.05Tea, coffee, botanical beverages  |             |                                       |
| 14.02.01Fruit and vegetable juices (squash)14.02.02Condensed fruit and vegetable juice (squash)14.02.03Fruit and vegetable (pulp) juices14.03Protein containing drinks14.03.01Milk containing drinks14.03.02Vegetable protein containing drinks14.03.03Compound protein beverages14.04Water-based flavored beverages14.04.01Carbonated drinks14.04.02Non-carbonated beverages14.04.02.01Beverages for special purpose (including sports drinks, nutritional drinks etc.)14.04.02.02Flavored beverages (fruit flavored drinks, flavored milk, tea flavored drinks and other flavored beverages)14.05Tea, coffee, botanical beverages14.05.01Tea  |             |                                       |
| 14.02.02 Condensed fruit and vegetable juice (squash)  14.02.03 Fruit and vegetable (pulp) juices  14.03 Protein containing drinks  14.03.01 Milk containing drinks  14.03.02 Vegetable protein containing drinks  14.03.03 Compound protein beverages  14.04 Water-based flavored beverages  14.04.01 Carbonated drinks  14.04.02 Non-carbonated beverages  14.04.02.01 Beverages for special purpose (including sports drinks, nutritional drinks etc.)  14.04.02.02 Flavored beverages (fruit flavored drinks, flavored milk, tea flavored drinks and other flavored beverages)  14.05 Tea, coffee, botanical beverages  14.05.01 Tea  |             |                                       |
| 14.02.03 Fruit and vegetable (pulp) juices  14.03 Protein containing drinks  14.03.01 Milk containing drinks  14.03.02 Vegetable protein containing drinks  14.03.03 Compound protein beverages  14.04 Water-based flavored beverages  14.04.01 Carbonated drinks  14.04.02 Non-carbonated beverages  14.04.02.01 Beverages for special purpose (including sports drinks, nutritional drinks etc.)  14.04.02.02 Flavored beverages (fruit flavored drinks, flavored milk, tea flavored drinks and other flavored beverages)  14.05 Tea, coffee, botanical beverages  14.05.01 Tea   |             |                                       |
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| 14.03.02Vegetable protein containing drinks14.03.03Compound protein beverages14.04Water-based flavored beverages14.04.01Carbonated drinks14.04.02Non-carbonated beverages14.04.02.01Beverages for special purpose (including sports drinks, nutritional drinks etc.)14.04.02.02Flavored beverages (fruit flavored drinks, flavored milk, tea flavored drinks and other flavored beverages)14.05Tea, coffee, botanical beverages14.05.01Tea  |             |                                       |
| 14.03.03 Compound protein beverages  14.04 Water-based flavored beverages  14.04.01 Carbonated drinks  14.04.02 Non-carbonated beverages  14.04.02.01 Beverages for special purpose (including sports drinks, nutritional drinks etc.)  14.04.02.02 Flavored beverages (fruit flavored drinks, flavored milk, tea flavored drinks and other flavored beverages)  14.05 Tea, coffee, botanical beverages   |             | · ·                                   |
| 14.04 Water-based flavored beverages  14.04.01 Carbonated drinks  14.04.02 Non-carbonated beverages  14.04.02.01 Beverages for special purpose (including sports drinks, nutritional drinks etc.)  14.04.02.02 Flavored beverages (fruit flavored drinks, flavored milk, tea flavored drinks and other flavored beverages)  14.05 Tea, coffee, botanical beverages  14.05.01 Tea  |             |                                       |
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| 14.04.02.01 Beverages for special purpose (including sports drinks, nutritional drinks etc.)  14.04.02.02 Flavored beverages (fruit flavored drinks, flavored milk, tea flavored drinks and other flavored beverages)  14.05 Tea, coffee, botanical beverages  14.05.01 Tea   |             |                                       |
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| 14.04.02.02 flavored beverages) 14.05 Tea, coffee, botanical beverages 14.05.01 Tea   | 14.04.02.01 | · · · · · · · · · · · · · · · · · · · |
| 14.05.01 Tea  | 14.04.02.02 |                                       |
|   | 14.05       | Tea, coffee, botanical beverages      |
| 14.05.02 Coffee   |             |                                       |
|   | 14.05.02    | Coffee                                |

| 14.05.03 | Botanical beverages (excluding fruit and vegetable juices) |
|----------|--|
| 14.06    | Solid beverages  |
| 14.06.01 | Fruit flavored solid beverages                             |
| 14.06.02 | Protein containing solid beverages                         |
| 14.06.03 | Instant coffee   |
| 14.06.04 | Other kinds of solid beverages                             |
| 14.07    |  |
| 14.08    | Other beverages  |
| 15.0     | Liquors  |
| 15.01    | Distilled spirits  |
| 15.02    | Mixed liquors  |
| 15.03    | Fermented liquors  |
| 16.0     | Others (excluding those mentioned in 01.0-15.0)            |
| 16.01    | Jelly  |
| 16.02    | Tea, coffee  |
| 16.03    | Collagen casings   |
| 16.04    | Yeast products   |
| 16.05    | Fried food   |
| 16.06    | Puffing foods  |
| 16.07    | Others   |