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# GAIN Report

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## **China - Peoples Republic of**

**Post:** Beijing

### **China Publishes Final Standard for Multi-nutrient Supplementary Food for Pregnant and Lactating Women**

**Report Categories:**

FAIRS Subject Report

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**Report Highlights:**

On November 13, 2015, China's National Health and Family Planning Commission (NHFPC) published the National Food Safety Standard for Multi-nutrient Supplementary Food For Pregnant and Lactating Women (GB 31601-2015). This standard will be implemented on November 13, 2016. A draft of the standard was notified to the WTO as SPS CHN 691 in December 2014. Please note that the comment process has ended and that this standard is considered final. The following report contains an unofficial translation of the final standard.

**General Information:**

**BEGIN TRANSLATION**

**National Food Safety Standard**

**Multi-nutrient Supplementary Food for Pregnant and Lactating Women**

**1 Scope**

Unless otherwise provided by national laws, regulations and/or standards, this standard applies to nutritional supplement food for pregnant women and women in lactation.

**2 Terms and Definitions**

**2.1 Nutritional supplement food for pregnant women and lactating women**

Special dietary foods suitable for pregnant and lactating women made by adding high-quality protein and micronutrients (vitamins and minerals, etc.)

**3 Technical Requirements**

**3.1 Recommended daily amount of nutritional supplement food suitable for pregnant women and lactating women**

Recommended daily amount of nutritional supplement food suitable for pregnant women and lactating women shall be 50g.

**3.2 Ingredient Requirements**

3.2.1 High-quality protein shall be derived from one or more types of soybeans, soy products, milk, and dairy products, and its content are 18% ~35% of mass of nutritional supplement food for pregnant women and lactating women.

3.2.2 The raw materials used for the nutritional supplement food for pregnant women and lactating women shall comply with the appropriate standards and (or) the relevant provisions.

3.2.3 Soybeans and its processed products shall be subject to high temperature and other treatment process to eliminate the anti-nutritional factors such as trypsin inhibitors and the like.

3.2.4 It shall not use hydrogenated fats.

**3.3 Organoleptic Requirements**

Color, taste, smell and tissue status of nutritional supplement food for pregnant women and lactating women shall comply with the characteristics of the relevant products, and there shall be without visible foreign matters.

### 3.4 Essential components

Content of essential component of nutritional supplement food for pregnant women and lactating women shall meet the provisions in Table 1(daily).

**Table 1 Essential Component Indexes**

Nutrient	Content of nutritional supplement food for pregnant women(daily basis)	Content of nutritional supplement food for lactating women(daily basis)	Analysis Method
Fe/mg	9~18	7~16	GB/T 5009.90 or GB 5413.21
Vitamin A/ $\mu$ g	230~700	400~1200	GB/T 5009.82 or GB 5413.9
Vitamin D/ $\mu$ g	3~10	3~10	GB 5413.9
Folic acid/ $\mu$ g	140~400	130~400	GB 5009.211 or GB 5413.16
Vitamin B <sub>12</sub> / $\mu$ g	1.2 ~4.8	1.3 ~5.2	GB 5413.14

### 3.5 Optional components

In addition to the essential components specified in 3.4, if one or more components in Table 2 are selectively added or label marked in the product, its content (daily basis) shall comply with the provisions in Table 2.

**Table 2 Optional Components Indexex**

Nutrient	Content of nutritional supplement food for pregnant women (daily basis)	Content of nutritional supplement food for lactating women (daily basis)	Analysis Method
Calcium/mg	300~800	300~800	GB/T 5009.92 or GB 5413.21
Magnesium/mg	110~370	100~330	GB 5009.241
Zinc/mg	3.0 ~10.0	4.0 ~12.0	GB 5009.14
Selenium/ $\mu$ g	20 ~55	25 ~65	GB 5009.93
Vitamin E/mg $\alpha$ -TE	4~14	5~17	GB 5413.9
Vitamin K/ $\mu$ g	24 ~80	26 ~85	GB 5413.10
Vitamin B1/mg	0.6 ~2.8	0.6 ~3.0	GB 5009.84

Vitamin B2/mg	0.6 ~2.8	0.6 ~3.0	GB/T 5009.85 or GB 5413.12
Vitamin B6/mg	0.9 ~4.4	0.7 ~3.4	GB/T 5009.154 or GB 5413.13
Niacin (nicotinamide) a/mg	5.0 ~18.0	6.0 ~18.0	GB 5413.15
Pantothenic acid/mg	2.4 ~12.0	2.8 ~14.0	GB 5009.210 or GB5413.17
Choline/mg	160~840	200~1040	GB 5413.20
Biotin/μg	16 ~80	20 ~100	GB 5009.259
Vitamin C/mg	40 ~230	60 ~300	GB 5413.18
Maternal docosaheaxaenoic acid/mg	60 ~200	60 ~200	GB 5413.27
<sup>a</sup> Nicotinic acid doesn't include precursor form.			

### 3.6 Maximum Contaminant

Limit of contaminant shall be in accordance with Table 3.

**Table 3 Maximum Contaminant**

Items	Limit	Analysis Method
Lead/(mg/kg)	≤ 0.5	GB 5009.12
Total arsenic (in As)/(mg/kg)	≤ 0.5	GB 5009.11
Nitrate (in NaNO <sub>3</sub> )/(mg/kg)	≤ 100	GB 5009.33
Nitrite (in NaNO <sub>2</sub> )/(mg/kg)	≤ 2	GB 5009.33
<sup>a</sup> Does not apply to products added with vegetables and fruits.		
<sup>b</sup> Does not apply to products added with beans.		

### 3.7 Limit of Mycotoxins

Limit of mycotoxins shall comply with provisions in Table 4.

**Table 4 Limits of Mycotoxins**

Items	Limit	Analysis Method
Aflatoxin M <sub>1</sub> <sup>a</sup> /(μg/kg)	≤ 0.5	GB 5413.37
Aflatoxin B <sub>1</sub> <sup>b</sup> /(μg/kg)	≤ 0.5	GB/T 18979
<sup>a</sup> Only limited to product containing dairy products.		
<sup>b</sup> Only limited to product containing grains, nuts and soybeans.		

### 3.8 Microbiological limit

Microbial limit shall comply with the provisions in Table 5.

**Table 5 Microbiological limit**

Items	Sampling programs <sup>a</sup> and limit (if not specified, they shall be indicated in CFU/g )				Analysis Method
	n	c	m	M	
Coliform colonies	5	2	10	100	Plate count method in GB 4789.3
Salmonella	5	0	0/25 g	—	GB 4789.4

<sup>a</sup> Sampling and processing shall be performed in accordance with GB/T4789.1.

### 3.9 Food Additives and Nutrition Enhancers

3.9.1 The food additives shall be used in accordance with the regulations as specified in *GB 2760*.

3.9.2 The food nutrition fortifier shall be used in accordance with the provisions in GB 14880.

3.9.3 Quality specifications of food additives and nutritional fortifiers shall comply with the relevant standards and/or the relevant provisions.

### 3.10 Urease activity

Urease activity indexes in product containing bean ingredients shall be consistent with the provisions in Table 6.

**Table 6 Urease Activity Indexes**

Items	Index	Analysis Method
Urease activity qualifying	Negative	GB 5413.31

## 4 Logo

4.1 Product labels shall comply with the provisions of GB 13432. Food name shall be marked with "nutritional supplement food for pregnant women" or "nutritional supplement food for lactating women" or "nutritional supplement food for pregnant women and lactating women" based on appropriate population.

4.2 It shall also be marked with "This product is not a substitute for regular meals", "This product has a variety of micronutrients, and the amount shall be paid attention to when it is consumed with other similar products".

**END OF TRANSLATION**