

THIS REPORT CONTAINS ASSESSMENTS OF COMMODITY AND TRADE ISSUES MADE BY USDA STAFF AND NOT NECESSARILY STATEMENTS OF OFFICIAL U.S. GOVERNMENT POLICY

Voluntary - Public

**Date:** 3/26/2019

**GAIN Report Number:** CH19019

## **China - Peoples Republic of**

**Post:** Beijing

### **China's National Food Safety Standard for Modified Milk (GB 25191-2010)**

**Report Categories:**

Dairy and Products

**Approved By:**

Michael Ward

**Prepared By:**

Abraham Inouye

**Report Highlights:**

China notified GB 25191-2010 to the World Trade Organization's (WTO) Committee on Sanitary and Phytosanitary Measures on November 25, 2009. The final standard was issued on March 26, 2010 and implemented on December 1, 2010. The standard covers modified milk. This is an unofficial translation of GB 25191-2010.



# **National Standard of the People's Republic of China**

**GB 25191—2010**

---

## **National Food Safety Standard Modified Milk**

---

Issued on March 26, 2010

Implemented as of December 1, 2010

Issued by

**Ministry of Health of the People's Republic of China**

## Foreword

This Standard replaces some indexes in GB 19645-2005 *Hygiene Standard for Pasteurized and Sterilized Milk*, GB 5408.1-1999 *Pasteurized Milk* and GB 5408.2-1999 *Sterilized Milk*. The indexes contained in GB 5408.1-1999, *Pasteurized Milk*; GB 5408.2-1999, *Sterilized Milk*; and related to the indexes herein, shall be subject to this Standard.

In comparison to GB 19645-2005, this Standard has the following main changes:

--The *Hygienic Standard for Pasteurized and Sterilized Milk* is divided into three standards, namely, *Pasteurized Milk*, *Sterilized Milk*, and *Modified Milk*. The provisions herein are about the *Modified Milk* Standard;

The following version of standards is replaced by this Standard:

-- GB 19645-2005

# National Food Safety Standard

## Modified Milk

### 1 Scope

This Standard is applicable to whole, skimmed, and partly skimmed modified milk.

### 2 Reference to Regulatory Documents

The documents referred to in this Standard are essential to the application of this Standard. For any document referenced with a date, only the version of the document with such date shall apply to this Standard. For any document referenced without a date, the latest version of the document (including all amendments thereto) shall apply to this Standard.

### 3 Terms and Definitions

#### 3.1 Modified Milk

A liquid product made of (no less than 80%) raw cow (goat) milk or reconstituted milk, with other raw materials or food additives or nutritional supplements added, and goes through an appropriate disinfection or sterilization process.

### 4 Technical Requirements

#### 4.1 Requirements for the Raw Materials

4.1.1 Raw milk: meet the provisions of GB 19301.

4.1.2 Other raw materials: comply with the corresponding safety standards and/or relevant regulations.

4.2 Sensory requirements: comply with the provisions stated in table 1.

Table 1 Sensory Requirements

Item	Requirements	Test Method
Color and Luster	Displaying the color and luster appropriate for modified milk.	Place an appropriate amount of sample in a 50ml beaker to observe the color, luster, and texture under natural light. Sample its odor, and taste it after gargling with lukewarm boiled water.
Taste, Odor	With the corresponding modified milk fragrance, no unpleasant odor.	
State	Uniform liquid, no clotting. There may be sediments of ingredients that match the formula. No foreign matter visible with normal vision.	

4.3 Physical and chemical indexes: meet the provisions stated in table 2.

Table 2 Physical and Chemical Indexes

Item		Indexes	Test Method
Fat <sup>a</sup> / (g/100g)	≥	2.5	GB 5413.3
Protein /( g/100g)	≥	2.3	GB 5009.5
<sup>a</sup> . Only applicable to whole milk products.			

4.4 Contaminant limit: shall comply with the provisions of GB 2762.

4.5 Limit for Fungal toxins: shall comply with the provisions of GB 2761.

4.6 Microbial Requirements

4.6.1 The modified milk produced with sterilization process shall meet the requirements of commercial sterilization and be tested according to the method specified in GB/T 4789.26.

4.6.2 Other modified milk shall comply with the provisions stated in table 3.

Table 3 Microbial Limit

Item	Sampling Plan <sup>a</sup> & Limit (expressed in CFU/g or CFU/mL unless otherwise indicated)				Test Method
	n	c	m	M	
Total Bacteria	5	2	50000	100000	GB 4789.2
Coliform Groups	5	2	1	5	GB 4789.3 plate count method
Staphylococcus aureus	5	0	0 /25 g(mL)	-	GB 4789.10 qualitative test
Salmonella	5	0	0 /25 g(mL)	-	GB 4789.4
<sup>a</sup> Samples are analyzed and treated according to GB 4789.1 and GB 4789.18.					

4.7 Food Additives and Nutritional Supplements

4.7.1 The quality of food additives and nutritional supplements shall comply with the corresponding safety standards and the relevant regulations.

4.7.2 Food additives and nutritional supplements shall comply with the requirements of GB 2760 and GB 14880.

5 Other

5.1 The characters “复原乳” or “复原奶” (reconstituted milk) should be marked next to the product name for modified milk that is made entirely from milk powders; the characters “含××%复原乳” or “含××%复原奶” (containing xx% reconstituted milk) should be marked next to the product name for the modified milk that is made by adding some milk powders to the raw cow (goat) milk.

Note: “xx%” refers to the mass fraction of the milk power added in the whole milk solids of modified milk.

5.2 The characters “复原乳” or “复原奶” (reconstituted milk) should be marked on the same main display surface of the packaging container with the product name; the characters “复原乳” or “复原奶” (reconstituted milk) marked should be eye-catching and in a font size not smaller than that of the product name and in a font height no less than one fifth of the height of the main display surface.

---