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GB

NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

GB 13102-2022

National food safety standard - Enriched dairy products

食品安全国家标准 浓缩乳制品

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National food safety standard - Enriched dairy products

1 Scope

This Standard applies to condensed milk and concentrated milk for food industry.

2 Terms and definitions

2.1 Condensed milk

Products made from raw cow (goat) milk by concentrating and removing part of the moisture, and/or products of the same ingredients and properties processed from dairy products, including evaporated milk, sweetened condensed milk, and formulated condensed milk.

2.1.1 Evaporated milk

Liquid products -- in the state of commercial sterility -- processed from raw cow (goat) milk and/or its products, with or without skim, with or without food additives and nutritional fortification substances.

2.1.2 Sweetened condensed milk

Viscous products processed from raw cow (goat) milk and/or its products, with or without skim, with sugar, with or without food additives and nutritional fortification substances.

2.1.3 Formulated condensed milk

Liquid or viscous products processed from raw cow (goat) milk and/or its products, with or without skim, with or without sugar, with or without food additives and nutritional fortification substances, and with other raw materials, including formulated evaporated milk and formulated sweetened condensed milk (formulated sweetened condensed milk).

2.2 Concentrated milk for food industry

Products used as raw materials for the food industry, with only raw cow (goat) milk as raw material, with or without skim, with only part of the moisture removed through concentration and other processes, including concentrated cow milk and concentrated goat milk.

^b Frozen solid products shall be melted completely through crushing, thawing and stirring first; viscous products may be added with the same amount of freshly boiled and cooled water before stirring and homogenizing, and pH measurement.

3.4 Maximum levels of contaminants and mycotoxins

3.4.1 The maximum levels of contaminants shall meet the requirements of GB 2762.

3.4.2 The maximum levels of mycotoxins shall meet the requirements of GB 2761.

3.5 Microbial limits

3.5.1 Evaporated milk and formulated evaporated milk shall meet the requirements of commercial sterility, and shall be inspected according to the method specified in GB 4789.26.

3.5.2 For heat-treated concentrated milk for food industry, as well as sweetened condensed milk and formulated sweetened condensed milk, the maximum level of pathogen shall comply with the provisions of GB 29921, and the microbial limits shall also comply with the provisions of Table 5.

3.5.3 For the concentrated milk for food industry without heat treatment during processing, the microbial limit shall comply with the provisions of GB 19301.

3.6 Food additives and nutritional fortification substances

3.6.1 The use of food additives shall comply with the provisions of GB 2760.

3.6.2 The use of nutritional fortification substances in foods shall comply with the provisions of GB 14880.

4 Others

4.1 Condensed milk shall be marked with “This product cannot be used as a breast milk substitute for infants and young children” or similar warnings.

4.2 Concentrated milk for food industry shall be stored and transported in a refrigerated or frozen state.

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