



GB 28050-2025

National Food Safety Standard General Rules for Nutrition Labeling of Prepackaged Foods

食品安全国家标准 预包装食品营养标签通则

National Health Commission of the People's
Republic of China
State Administration for Market Regulation

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Preface

This standard replaces *GB 28050-2011 National Food Safety Standard General Rules for Nutrition Labeling of Prepackaged Foods*.

Compared with GB 28050-2011, main changes of this standard are as follows:

- Modified the application scope of the standard;
- Added nutrients and reminder subject to mandatory labeling requirements;
- Modified the terms and definitions of energy and certain nutritional components;
- Modified the optional labeling content and added other supplementary information;
- Modified the allowable error range of some nutritional components;
- Modified the exemption for mandatory nutrition labeling of prepackaged foods;
- Added Chapter 8;
- Modified certain nutrient reference values (NRV);
- Modified the nutrition label format;
- Modified certain standard terms of nutrition claims, and effect claims of nutritional components;
- Added Annex E “Recommended Reference Serving Sizes for Prepackaged Foods”.

National Food Safety Standard

General Rules for Nutrition Labeling of Prepackaged Foods

1 Scope

This standard specifies the description and statement of food nutritional information and properties in nutrition labels of prepackaged foods.

This standard applies to nutrition labels of prepackaged foods provided directly to consumers. For prepackaged foods not provided directly to consumers and food storage and transportation package, when nutrition label is presented, the labeling should comply with this standard.

2 Terms and Definitions

2.1 Nutrition label

The description and explanation of the food nutritional information and properties provided to consumers on the prepackaged food label, including the Nutrition Information, nutrition claims and nutrition effect claims as well as other supplementary information.

The nutrition label is an integral part of the prepackaged food label.

2.2 Nutrition information

A normative table that lists the name, content, and corresponding percentages of the Nutrient Reference Value (NRV) for energy and nutritional components in food.

2.3 Energy

The heat generated by the metabolism of components such as protein, fat, and carbohydrates in food within the human body.

The energy calculation in food shall be based on the sum of the products of the declared values of the following energy-supplying components and their corresponding energy conversion coefficients.

The energy conversion coefficients for the energy-supplying components are (kJ/g): Protein: 17, Fat: 37, Carbohydrates: 17.

When the dietary fiber content is declared, its energy shall be calculated using a conversion coefficient of 8 kJ/g.

2.4 Nutrients

Substances in food with specific physiological functions, essential for maintaining body growth, development, activity, reproduction, and normal metabolism, including protein, fat, carbohydrates, minerals, and vitamins.

2.5 Nutritional components

Nutrients in food and other food components beneficial to physiological functions.

Except for the following terms and definitions, refer to GB/Z 21922 regarding the terms and definitions for other nutritional components.

2.5.1 Protein

Nitrogen-containing organic compounds in food, with amino acids as the basic structural units.

The protein content in food can be determined by multiplying nitrogen content by a protein conversion coefficient or by summing the contents of individual amino acids.

2.5.2 Fats and fatty acids

Fat, also known as triglyceride, is formed by the combination of fatty acids and glycerol.

Fatty acids are a collective term for chain carboxylic acids in organic acids, classified into saturated fatty acids and unsaturated fatty acids.

Saturated fatty acids are the sum of fatty acids without double bonds on the carbon chain.

Unsaturated fatty acids are the sum of fatty acids with double bonds on the carbon chain, including only cis configurations. Fatty acids with one double bond are monounsaturated fatty acids; those with two or more double bonds are polyunsaturated fatty acids.

Trans fatty acids are the sum of fatty acids containing one or more non-conjugated trans double bonds, either naturally occurring or produced during oil processing.

2.5.3 Carbohydrates



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