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NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

GB 2760-2024

**National food safety standard - Food additive - Standard for
use**

食品安全国家标准 食品添加剂使用标准

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State Administration for Market Regulation.**

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Foreword

This standard replaces GB 2760-2014 "National food safety standard - Food additive - Standard for use".

Compared with GB 2760-2014, the main changes in this standard are as follows:

- ADD the Announcement No.1 in 2015, Announcement No.8 in 2016, Announcement No.9 in 2016, Announcement No.14 in 2016, Announcement No.1 in 2017, Announcement No.3 in 2017, Announcement No.8, 2017, Announcement No.10 in 2017, Announcement No.13 in 2017, Announcement No.2 in 2018, Announcement No.8 in 2018, Announcement No.2 in 2019, Announcement No.4 in 2019, Announcement No.6 in 2019, Announcement No.4 in 2020, Announcement No.6 in 2020, Announcement No.8 in 2020, Announcement No.9 in 2020, Announcement No.2 in 2021, Announcement No.5 in 2021, Announcement No.6 in 2021, Announcement No.9 in 2021, Announcement No.1 in 2022, Announcement No.2 in 2022, Announcement No.5 in 2022, Announcement No.1 in 2023, Announcement No.3 in 2023, Announcement No.5 in 2023 of National Health Commission (formerly National Health and Family Planning Commission) on the food additives.
- MODIFY the relevant content of the text:
 - a) MODIFY the definition of food additives in 2.1, adding the nutritional supplements;
 - b) MERGE the 2.5 "International Numbering System (INS)" and 2.6 "Chinese Numbering System (CNS)" in the original standard, into 2.5 "Food additive code", modifying its definition and description;
 - c) DELETE that "If a food additive is allowed to be applied to a certain food category, it is allowed to be applied to all categories of food under that category, unless otherwise specified" in Chapter 4 "Food classification system" in the original standard, reflecting it in A.3 in Appendix A;
 - d) ADD Chapter 8 "Functional categories of food additives" and Chapter 9 "Index of food additive use provisions in Appendix A".
- MODIFY the requirements on the use of food additives in Appendix A:
 - a) MODIFY the English names, INS numbers, CNS numbers of some food additives;
 - b) MODIFY the query method for food additive use requirements in Appendix A, reflecting the contents of Table A.3 in Tables A.1 and A.2, merging the original Table A.2 into Table A.1;

National food safety standard - Food additive - Standard for use

1 Scope

This standard stipulates the principles for the use of food additives, the types of food additives allowed to be used, the scope of use and the maximum usage amount or residue amount.

2 Terms and definitions

2.1 Food additives

Synthetic or natural substances added to food, in order to improve the quality, color, aroma, taste of food, as well as for the needs of antisepsis, preservation, processing technology. Flavors for food, base substances in gum-based candies, processing aids for the food industry, nutritional supplements are also included.

2.2 Maximum usage

The maximum addition amount allowed when using food additives.

2.3 Maximum residue level

The allowable residue level of a food additive or its decomposition products in the final food.

2.4 Processing aids for food industry

The various substances that ensure the smooth progress of food processing have nothing to do with the food itself, such as filtration aid, clarification, adsorption, demoulding, decolorization, peeling, extraction solvent, nutrients for fermentation, etc.

2.5 Food additive code

Code used to replace complex chemical structure name expressions, including the International Numbering System (INS)^a for food additives and the Chinese Numbering System (CNS).

3 Principles for the use of food additives

3.1 The use of food additives shall meet the following basic requirements:

- a) It shall not cause any health hazard to the human body;
- b) It shall not cover the food spoilage;
- c) Food additives shall not be used to cover up quality defects in the food itself or in the processing process or for the purpose of adulteration, adulteration, or counterfeiting;
- d) The nutritional value of the food itself shall not be reduced;
- e) Reduce the amount used in food as much as possible while achieving the desired effect.

3.2 Food additives may be used under the following circumstances:

- a) Maintain or improve the nutritional value of the food itself;
- b) As a necessary ingredient or component of certain special dietary foods;
- c) Improve the quality and stability of food; improve its sensory properties;
- d) Facilitate the production, processing, packaging, transportation or storage of food.

3.3 Food additive quality standards

Food additives used in accordance with this standard shall comply with corresponding quality specifications.

3.4 Bring-in principle

3.4.1 Food additives can be introduced into food through food ingredients (including food additives) under the following circumstances:

- a) According to this standard, the food additive is allowed to be used in food ingredients;

^a The INS number is the numbering system assigned to food additives by the Codex Alimentarius Commission (CAC). When the CAC INS number changes, the CAC INS number shall prevail.

- b) The amount of this additive in food ingredients shall not exceed the maximum allowable amount;
- c) These ingredients shall be used under normal production process conditions; the content of the additive in the food shall not exceed the level introduced by the ingredients;
- d) The level of the additive introduced into the food by the ingredients shall be significantly lower than that which would normally be required if it were added directly to the food.

3.4.2 When a food ingredient is used as a raw material for a specific final product, additives approved for the specific final product are allowed to be added to these food ingredients, meanwhile the amount of the additive in the final product shall comply with the requirements of this standard. The label of the specific food ingredient shall clearly indicate that the food ingredient is used in the production of the specific food.

4 Food classification system

The food classification system is used to define the scope of use of food additives and is only applicable to this standard. See Appendix E.

5 Provisions on the use of food additives

The use of food additives shall comply with the provisions of Appendix A.

6 Food spices

The use of food spices used to produce food spices shall comply with the provisions of Appendix B.

7 Processing aids for the food industry

The use of processing aids for the food industry shall comply with the provisions of Appendix C.

8 Functional categories of food additives

See Appendix D for the functional categories of food additives.

Appendix A

Requirements on the use of food additives

A.1 Table A.1 stipulates the allowable use varieties, use scope, maximum use amount or residue amount of food additives.

A.2 Table A.2 specifies the food categories corresponding to the excepted food numbers in Table A.1.

A.3 The food additives listed in Table A.1 shall be used according to the specified scope of use and maximum usage amount. If a food additive is allowed to be used in a certain food category, it is allowed to be used in all categories of food under that category, unless otherwise specified. If the maximum usage amount of the same food additive in a lower-level food category is inconsistent with that in a higher-level food category, the requirements of the lower-level food category shall be followed.

A.4 When food additives with the same function and numerical maximum usage amounts listed in Table A.1 (limited to the same color colorant, preservatives, antioxidants) are mixed and used, the sum of proportion of each usage amount to the maximum usage amount shall not exceed 1.

A.5 Table A.1 does not include relevant provisions on food spices and food additives used as processing aids in the food industry.

A.6 The "Function" column in Table A.1 is the main function of the food additive and is for reference when using it.

Table A.1 -- Allowable species, scope of use ¹⁾ and maximum usage or residue amounts of food additives

Disodium 5'-ribonucleotide (also known as flavored nucleotide disodium)

CNS number 12.004 INS number 635

Function: Flavor enhancer

¹ The scope of use in Table A.1 is expressed by food classification number and food name.

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