



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 14880-2012

**National Food Safety Standard for the Use of Nutritional
Fortification Substances in Foods
(English Translation)**

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Foreword

This standard replaces GB 14880-1994 Hygienic Standard for the Use of Nutritional Fortification Substances in Foods.

Compared with GB 14880-1994, this standard has the following changes.

--- Change the standard name into "National Food Safety Standard for the Use of Nutritional

Fortification Substances in Foods";

--- Add No.1 Announcement (1997~2012) of Ministry of Health and the relevant requirements of nutritional fortification substances in Appendix B of GB 2760-1996;

--- Add Terms and Definitions;

--- Add fundamental purposes of nutritional fortification, the requirements of using nutritional

fortification substances and the selection requirements of fortification food categories;

--- On the basis of risk estimation and in combination of the food categories (names) of this Standard, adjust and combine the application species, application scope and application amount of partial nutritional fortification substances; delete partial food categories which aren't applicable to fortification;

- List the origins of nutritional fortification substance compounds allowable for application;
- Add the list of origins of nutritional fortification substance compounds in food which may be used for special diets as well as application scope and application amount of partial nutritional ingredients;
- Add food category (name) explanation;
- Delete the Appendix A "Implementing Regulations of Hygienic Standard for the Use of Nutritional Fortification Substances in Foods" of original standard;
- Manage the applications of nutritional fortification substances in health food and iodine in edible salt according to the relevant national standards or laws and regulations.

National Food Safety Standard for the Use of
Nutritional Fortification Substances in Foods

1 Scope

This Standard specifies the fundamental purposes of nutritional fortification in foods, the requirements of using nutritional fortification substances, the selection requirements for fortifiable food categories and application requirements for nutritional fortification substances.

This Standard is applicable to the application of nutritional fortification substances in foods, unless otherwise stated in national laws and regulations and/or standards.

2.1 Nutritional fortification substances

The natural or artificially-synthesized nutrients and other nutritional ingredients added to foods

in order to increase the nutritional ingredient (value) in foods.

2.2 Nutrient

The substances which have specific physiological effects in foods and are required and able

to maintain the growth, development, activity, reproduction, and normal metabolism, including

protein, fat, carbohydrate, mineral substances and vitamin, etc.

2.3 Other nutritional ingredients

Other food compositions which have nutrition and/or physiological functions except nutrients

2.4 Foods for special diets

Food made by special process or formula in order to meet special physical/psychological conditions and/or meet special diet demands under the conditions of diseases or disorder. The

contents of nutrients and/or other nutritional ingredients in these foods are obviously different

from comparable ordinary foods.

3.1 Make up the nutrient loss caused during normal process and storage of foods.

3.2 In a given territorial scope, where the intake of some nutrients for a large scale of crowd is

low or lacked, the caused poor health effects may be improved by fortification.

3.3 The nutrient intake level for some crowd is low or lacked because of the dietary habit and/or

other causes, the caused poor health effects may be improved by fortification.

4.1 Utilization of nutritional fortification substances shall not result in intake excess or

imbalance of nutrients or other nutritional ingredients, neither the metabolism abnormality of

any nutrient and other nutritional ingredients.

4.2 Utilization of nutritional fortification substances shall not encourage and lead the food

consumption pattern against the national nutrition policies.

4.5 The content or effect of a certain nutritional ingredient shall not be exaggerated by the

application of nutritional fortification substances to mislead and cheat consumers.

5 Selection Requirements of Fortification Food Categories

5.1

Foods consumed universally by target population and obtained easily shall be selected for fortification.

6.1 Application scope and application amount of nutritional fortification substances in foods

shall meet the requirements of Appendix A; t

6.2 The contents of nutrients and other nutritional ingredients in foods for special diets shall be

performed according to the corresponding national food safety standards; the origins of allowable utilization nutritional fortification substances and compounds shall meet the requirements of Appendix C of this Standard and/or the corresponding product standards.

7 Food Category (Name) Description

Food category (name) description which is used to define the application scope of nutritional

fortification substances is only applicable to this Standard, see Appendix D.

8 Quality Standard of Nutritional Fortification Substances

It shall meet the corresponding requirements of quality specifications according to the origins

of nutritional fortification substances compounds used in this Standard.

Appendix A

Application Rules of Nutritional Fortification Substances in Foods

Application rules of nutritional fortification substances in foods are detailed in Table A.1.

Appendix B

List of Origins of Allowable Nutritional Fortification Substance

Compounds

List of origins of allowable nutritional fortification substance compound for application is detailed in Table B.1.