



GB 9685-2016

National Food Safety Standard Standard for Uses of Additives in Food Contact Materials and Articles

食品安全国家标准
食品接触材料及制品用添加剂使用标准

National Health and Family Planning Commission of
the People's Republic of China

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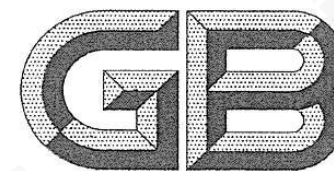
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National Standard of the People's Republic of China

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National Health and Family Planning Commission of the People's Republic of China

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Preface

This standard replaces *GB 9685-2008 Hygienic Standards for Uses of Additives in Food Containers and Packaging Materials*.

The main changes compared with GB 9685-2008 are listed below:

----The name of the standard is changed to “National Food Safety standard Standard for Uses of Additives in Food contact materials and their articles ”

----The application scope is changed

----Some terms and definitions are changed. the term and definition of “specific migration limit” and etc. are added

-----The application principles is added

----The usage explanation of the annexes is added to the usage provisions of the additives of food contact materials and products. The specification migration and determination of testing method is deleted.

----The structure of Annex A is modified. The list of additives and the use requirements are listed in Table A.1 to A.7. FCA number, specific migration limit and specific migration limit FCA number are added to the table.

----The list of allowed additives and requirements are modified in Annex A. The requirements in Table A.1 to A.7 are added.

----The additives varieties listed in Annex A is increased from 958 to 1294.

----The requirements of Ministry of Health Announcement No.5-2012 and No.11-2012, National Health and Family Planning Commission Announcement No.1-2013, No.14-2013 and No.14-2014 are added.

----4 phthalate esters including dimethyl phthalate are deleted. The application scope and food categories that can be contacted with of other phthalate esters are modified.

----2 hydrate and the food contact materials and additives whose application scope is glass, metal, ceramics and enamel are deleted.

----The substance at the same time listed in A.2 GB 2760-2014 has been deleted.

--- Perfluorinated alkyl acrylate copolymer and another 2 perfluorinated substance are deleted.

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----The requirements including application scope and limit dosage of 1,6-hexamethylenediamine and phenol as food contact materials and additives are modified.

----The requirements of colorant purity specified in the note of Annex A is revised.

----The requirements on specific migration limit in Annex B is added.

----The special limit on metal elements in Annex C is added.

----The notation of Annex A is modified to Annex D the abbreviation of resins names. The Ministry of Health Announcement No.23-2011 is added in Annex D.

----The Index sorted by CAS number and Chinese name are added in Annex E.

National Food Safety standard

Standard for Uses of Additives in Food Contact Materials and Their Articles

1 Scope

This standard specifies principles for use of additives in food contact materials and articles, the types of permitted additives, usage scope, maximum level, specific migration limit or maximum residue limit as well as other restrictive requirements.

This standard also includes some monomers and initiators during the production of food contact materials and articles.

2 Terms and definitions

2.1 Additives for food contact materials and products

The additives are substances added contributing to or assisting to improve the the quality and acteristics during the production process of food contact materials and products so as to meet the expectation usage; it also include the processing aids added to assist the production process but not intended to improve the quality and characteristics of end products during the production process of the food containers and packaging materials. They are called additives in this standard.

2.2 Maximum level

The total amount of an additive allowed to be added during the processing of food contact materials and products, usually expressed as the mass fraction (%) of an additive in the total base materials.

2.3 Maximum residue quantity, QM

The maximum amount of an additive permitted to remain in the food contact materials and products, usually expressed in milligrams of residual substances contained in per kilogram food contact materials and products (mg/kg), or milligrams of residual substances contained in per square decimeter area that food contact materials and products contacting with food (mg/dm²).

2.4 Specific migration limit, SML

The maximum limit of migration of an additive from the food contact materials and products to food or food simulants in contact with them, usually expressed in milligrams of migrated substance contained in per kilogram food or food simulants (mg/kg), or milligrams of migrated substance contained in per square decimeter area that food contact materials and products contacting with food or food simulants (mg/dm²).

2.5 The total specific migration limit, SML(T)

The maximum limit of migration of two or more additives from the food contact materials and products to food or food simulants in contact with them, usually expressed in milligrams of designated kind of or sort of migration substances (group) contained in per kilogram food or food simulants (mg/kg), or milligrams of designated kind of or sort of migration substances (group) contained in per per square decimeter area that food contact materials and products contacting with food or food simulants (mg/dm²).

2.6 CAS No (Chemical Abstract Service No.)

Chemical Abstract Service Numbers

2.7 Not detectable, ND

Using the analytical method with specific detection limit (DL), the amount of additives in food contact materials and products should not be detected.

2.8 FCA number



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