

Disclaimer

This is an unofficial document provided by ChemLinked (chemlinked.com), a division of REACH24H Consulting Group, as an informational service to assist non-Chinese companies.

This document should only be used as a reference and in case of any discrepancy between the English and Chinese versions the original Chinese version shall prevail.

Nondisclosure:

For ChemLinked Standard Members & e-book buyers: You may not disclose this document to anyone else without the written permission of ChemLinked.

For ChemLinked Corporate Members: You may circulate the copy of this document electronically or by printed copy with your colleagues in the same company which is registered in ChemLinked.com.

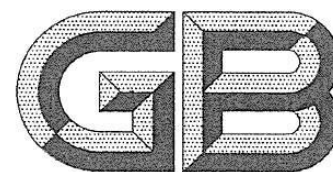
Besides, you are not allowed to disclose this document to anyone else without the written permission of ChemLinked.

For further clarification and questions, please contact us:

contact@chemlinked.com

Contents

1	Scope	1
2	Terms and definitions	1
2.1	Food contact materials and products	1
2.2	Additives for food contact materials and products.....	1
2.3	Maximum level	1
2.4	Maximum permitted quantity, QM.....	1
2.5	Specific migration limit, SML	2
2.6	The total specific migration limit, SML(T)	2
2.7	Chemical Abstract Service No., CAS No.	2
2.8	Not detectable, ND	2
3	Principles for use of additives in food contact materials and products.....	2
4	Provisions for use of additives in food contact materials and products.....	3
Annex A.	List of allowed additives and usage requirements	4
Table A.1	Additives allowed in plastic food contact materials and their products.....	6
Table A.2	Additives allowed in food contact coatings.....	206
Table A.3	Additives allowed in food contact rubber and their products	296
Table A.4	Additives permitted in ink used as FCMs and their products	325
Table A.5	Additives allowed in adhesive used as FCMs and their products	366
Table A.6	Additives allowed in paper food contact materials and their products.....	461
Table A.7	Additives allowed in silicone rubber, etc. food contact materials and their products.....	573
Annex B	Specific Migration Limit in Total (SML (T))	575
Table B.1	Specific migration limits	575
Annex C	Specific Migration Limits of Metallic Elements.....	585
Table C.1	Specific migration limits of metallic elements	585
Annex D	Abbreviations of plastic materials in Table A.1	586
Table D.1	Abbreviations of plastic materials.....	586
Annex E	Catalogues of adhesives for food contact materials and their products	588
Table E.1	Catalogue of additives for food contact materials and their products in ascending order of the CAS numbers.....	588
Table E.2	Catalogue of additives for food contact materials and their products in alphabetical order of the Chinese chemical names.....	589



National Standard of the People's Republic of China

GB 9685-XXXX

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
（征求意见稿）

National Food Safety standard
Standard for Uses of Additives in Food Contact Materials and Their Products
(Consultation draft)

Issued on xxxx-xx-xx

Implemented on xxxx-xx-xx

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

ChemLinked Team, REACH24H Consulting Group | <https://chemlinked.com>

6 Floor, Building 2, Hesheng Trade Centre, No.327 Tianmu Mountain Road, Hangzhou, China. PC: 310023

Tel: +86 571 8609 4444 Fax: +86 571 8700 7566 Email: contact@chemlinked.com

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:

----The name of the standard is changed

----The application scope is changed

----Some terms and definitions are changed. “Food containers, package materials” is changed to “food contact materials and products” and the definition is also changed; the term “specific migration limit” and its definition is added

----The usage explanation of the annexes is added to the usage provisions of the additives of food contact materials and products. The content of determination of migration is moved to this part. The 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. Serial number, specific migration limit and specific migration 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 number of additives in Annex A is increased from 956 to 1316.

----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 are added. Requirements on other phthalate esters are modified.

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

----The requirements on 1,6-hexamethylenediamine and phenol as food contact materials and additives are modified.

----The requirement 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.

Annex E

Catalogues of adhesives for food contact materials and their products

Table E.1 shows the CAS numbers, chemical names, sequence numbers and page numbers of the additives in Annex A in ascending order of the CAS numbers. Additives without CAS numbers are listed at the end of Table E.1 in alphabetical order of the Chinese chemical names. Table E.2 shows the CAS numbers, chemical names, sequence numbers and page numbers of additives in Annex A in alphabetical order of the Chinese Pinyin.

Table E.1 Catalogue of additives for food contact materials and their products in ascending order of the CAS numbers

CAS number	Chinese name	Serial number	Page number
100-21-0	1,4-苯二甲酸	FCA0070	10; 187; 238
100-37-8	N,N-二乙基乙醇胺	FCA0543	122; 175
100-42-5	苯乙烯	FCA0592	123; 175; 203; 256
10043-01-3	硫酸铝	FCA0998	276
10043-35-3	硼酸	FCA1044	82; 225; 278
10043-52-4	氯化钙	FCA1014	80
10049-04-4	二氧化氯	FCA0760	268
100-51-6	苯醇; 苯甲醇	FCA0606	53; 123; 204; 257
100684-33-1	白土处理的矿脂 (白矿物油)	FCA0583	51; 123; 152; 203
10094-45-8	N-十八烷基-13-二十二酰胺	FCA0551	50
.....			

Table E.2 Catalogue of additives for food contact materials and their products in alphabetical order of the Chinese chemical names

Chinese name	CAS number	Serial number	Page number
(1,1-二甲基乙基)-4-甲氧基苯酚; 叔丁基羟基茴香醚(BHA)	25013-16-5	FCA0001	6; 100; 146; 184; 236
(1,1'-联苯基)-4,4'-二醇	92-88-6	FCA0002	100
(1,1-联苯基)-4,4'-二醇与 1,1'-磺酰双(4-氯苯)的聚合物	25608-64-4	FCA0003	6
(1R,2R,3S,4S)-rel-二环[2.2.1]庚-2,3-二羧酸二钠盐	351870-33-2	FCA0004	6
.....			

Free

\$1330
per year

Standard
for single user

\$3990
per year

Corporate
for users ≤ 20

Subscribe to CHEMLINKED Now

Unlimited
negotiable

Removing Regulatory Roadblocks,
Expediting Market Access

• 7-DAY MONEY BACK GUARANTEE

Membership	Information & Knowledge				Events		Inventory Toolbox		Regulatory Database	bi-Weekly Newsletter
	News	Chempedia	E-book	Expert Articles	Webinar	Discount of Seminar/Workshop	Substance & Inventory Search	Alert service		
Free	√	√(Limited)	x	x	√	x	√	x	x	√
Standard	√	√ (Full version)	√	√	√	x	√	√	√	√
Corporate	√	√ (Full version)	√	√	√	√	√	√	√	√
Unlimited	√	√ (Full version)	√	√	√	√	√	√	√	√