

SOFTLINES

CHINA MANDATORY AND LABELLING STANDARDS FOR TEXTILES AND FOOTWEAR

Weaving quality into your clothing, textiles and footwear.



CHINA MARKET ACCESS

ACCELERATED

China national mandatory standards, commonly known as China GB standards, are concerned with human health, safety and hygiene from various products, or high-risk product categories. All products produced and sold in China, or imported to China must comply with China mandatory standards.

Apart from the mandatory GB standards for safety outlined below, there are various product standards (such as GB/T, FZ/T, QB/T, etc.) related to the quality of different products to which retailers, brands, agents and importers should pay attention.

With our technical experts and long-established relationships in China, accompanied by worldwide accredited laboratories, Intertek offers comprehensive assurance on textiles and footwear product access to China market.

	China GB Compulsory Standards for Textiles		China GB Compulsory Standards for Footwear	
	GB 18401-2010	GB 31701-2015	GB 30585-2014	GB 25038-2010
Adult	√	√		√
Children's	√		√	√
	Textiles Labelling Standard		Footwear Labelling Standard	
Adult	√		√	
Children's	√		√	

CHINA GB 18401-2010

NATIONAL GENERAL SAFETY

TECHNICAL CODE FOR TEXTILE

PRODUCTS

Background

Implemented on 1st August 2011, the standard regulates hazardous chemical substances in apparel, decorative and home textiles.

Technical requirement

Under GB 18401-2010, covered products are divided into three categories and each should comply with corresponding requirements:

- Infant's textile products (for children ≤ 36 months of age): must comply with Type A requirement
- Skin contact textile products: should at least comply with Type B requirement
- Non-skin contact textile products: should at least comply with Type C requirement

Items		Type A	Type B	Type C
Formaldehyde (mg/kg)		≤ 20	≤ 75	≤ 300
pH		4.0 - 7.5	4.0 - 8.5	4.0 - 9.0
Colourfastness	Water	3 - 4	3	3
	Acid perspiration	3 - 4	3	3
	Alkaline perspiration	3 - 4	3	3
	Dry rubbing	4	3	3
	Saliva	4	-	-
Odor		Odorless		
Decomposable carcinogenic aromatic amine dyes (mg/kg)		Prohibited (Detection limit ≤ 20 ppm)		

Labelling requirement

For textile products for adults, the appropriate safety category (Type A / B / C) shall be marked on the labels. For textile products for infants and children, please refer to the labeling requirements specified in GB 31701-2015.

CHINA GB 31701-2015

SAFETY TECHNICAL CODE FOR INFANT'S AND CHILDREN'S TEXTILE PRODUCTS

Background

Effective since 1st June 2016, this standard is applicable to all textile products for infants and children. However, it does not cover items such as soft or stuffed toys, textile crafts or artwork, disposable sanitary products, handbags, suitcases, backpacks, umbrellas, carpets, rugs and professional sportswear.

Technical requirement

The standard defines infants and children as below:

- Infants: defined as ≤ 36 months of age, generally refer to children with body height of ≤ 100 cm.
- Children: defined as 3 years to 14 years of age, generally refer to girls with body height between 100 cm and 155cm, and 100 cm to 160cm for boys. Textile products for children under 130cm of body height are regarded as textile products for children under 7 years of age.

Key notes

- Safety technical requirements for infant's and children's textiles are classified as Type A, B and C.
- Textile products of infants shall comply with safety requirements of Type A; children's products with direct contact to skin shall at least comply with safety requirements of Type B; children's products without direct contact to skin shall at least comply with safety requirements of Type C.
- On the label of textile products of infants, this standard code along with "textile products for infants" shall be claimed in simplified Chinese such as "GB 31701 婴幼儿用品". On the label of textile products for children, this standard code and the appropriate safety category shall be claimed, such as GB 31701 Type A, GB 31701 Type B or GB 31701 Type C.

Fabrics

- Fabrics for infant's and children's textile products, including shell, lining and attachment, shall comply with the corresponding requirements of the safety technical categories indicated in GB 18401 and in the table below:

Items		Type A	Type B	Type C
Colorfastness to wet rubbing / (grade) \geq		3 (dark: 2-3)	2 - 3	NA
Heavy metal / (mg/kg) \leq	Lead	90	NA	NA
	Cadmium	100	NA	NA
Phthalates / (%) \leq	DEHP, DBP, BBP	0.1	NA	NA
	DINP, DIDP, DNOP	0.1	NA	NA
Flammability		Class 1 (normal flammability)		

Filling

- Textile fibre filling shall comply with the corresponding safety requirements of GB 18401.
- Down and feather filling shall comply with not only the corresponding safety requirements in GB 18401, but also the microbiological requirements specified in GB/T 17685.

Attachments

- Attachment strength for the textile products for infants
- Requirements of sharp points and sharp edges
- Requirements of cords and drawstrings

Other

- Needles and other metal sharp objects are not allowed in the package of textile products for infants and children.
- Needles and other metal sharp objects are not allowed in the textile products for infants and children.
- Sewing position of the permanent labels of infant products.

CHINA GB 30585-2014

SAFETY TECHNICAL SPECIFICATION

FOR CHILDREN'S FOOTWEAR

Background

The mandatory GB 30585-2014 Safety Technical Specification for Children's Footwear was implemented in 2016 to ensure quality of children's footwear and children's health. The standard specifies the technical terms and definitions, product categories, technical requirements, testing methods and determining methods.

It is applicable to footwear

- Worn daily by children under/equal to 14 years of age and shoe size is not larger than 250 mm
- A variety of materials except vulcanized rubber shoes for children (children's rubber shoes should follow the requirement of mandatory standard GB 25038-2010 "Rubber Shoes Health and Safety Specification" and GB 25036-2010 "Children's Canvas Rubber Footwear Specification")

Technical requirement

Physical and mechanical safety properties

No.	Requirement	Test Method
1.	No protruding sharp nail tip exposed on the inside or outside of footwear	Visual inspection
2.	No accessible sharp edge and accessible sharp point or any part of it (including any accessories and heels)	GB 6675.2-2014 Section 5.8 & 5.9
3.	No broken needle	GB 30585 Section 6.2
4.	No detachable part which fits completely into the small parts test cylinder designated in standard GB 6675.2-2014 Section 5.2 from an item of infant's footwear	GB 6675.2-2014 Section 5.2
5.	All accessories should be securely fastened with tensile strength for accessories attached to infant's footwear no smaller than 70N	GB 30585 Appendix D
6.	Shank compliance to GB/T 28011	GB/T 28011
7.	Technical heel height not greater than 25mm	GB/T 3903.5
8.	Odour ≤ 2 grade	GB 30585 Section 6.5

Chemical safety properties

No.	Requirement		Requirement	Test Method
1.	Hexavalent chromium (Cr VI) in leather and fur		≤ 10 mg/kg	GB/T 22807
2.	Degradable toxic aromatic amines dyes	Textile	≤ 20 mg/kg	GB/T 17592
		Leather and fur	≤ 30 mg/kg	GB/T 19942
3.	Formaldehyde	Infant	≤ 20 mg/kg	Textile: GB/T 2912.1 Leather and fur: GB/T 19941
		Direct contact to skin	≤ 75 mg/kg	
		No direct contact to skin	≤ 300 mg/kg	
4.	Heavy metal	Arsenic	≤ 100 mg/kg	QB/T 4340
		Lead	≤ 100 mg/kg	
		Cadmium	≤ 100 mg/kg	
5.	Dimethyl fumarate (DMFU)		≤ 0.1 mg/kg	GB/T 26713
6.	N-nitrosamine in rubber / (mg/kg) (only for infant footwear) ^a		Not detected	GB/T 24153
7.	Phthalates	Infant	DINP, DIDP, DNOP	ISO/TS 16818
			DEHP, DBP, BBP	
		Children	DEHP, DBP, BBP	

Note: a. infant's footwear is defined as footwear not greater than 170 mm in size and to be worn by a child 36 months of age or under.

CHINA GB 25038-2010

RUBBER SHOES HEALTH AND SAFETY SPECIFICATION

GB 25038-2010 specifies safety requirements for shoes produced through heat vulcanization process. The following table summarizes technical requirements in the standard.

No.	Components	Items		Requirement		Test Method
				Infant	Others	
1.	Upper, lining and insole made of textile or synthetic material	pH value		4.0-9.0		GB/T 7573-2002
2.		Free formaldehyde		≤75 mg/kg	≤150 mg/kg	GB/T 2912.1-1998
3.		Extractable heavy metal	Lead	≤1.0 mg/kg		GB/T 17593.1-2006
			Cadmium	≤0.1 mg/kg		GB/T 17593.4-2006 or
			Arsenic	≤1.0 mg/kg		GB/T 17593.2-2007
4.		Degradable toxic aromatic amines dyes		Forbidden (≤30 mg/kg)		GB/T 17592-2006
5.		Chlorinated phenol	Pentachlorophenol (PCP)	Not Detected (≤0.5 mg/kg)		GB/T 18414.1-2006 or GB/T 18414.2-2006
			2,3,5,6-Tetrachlorophenol (TeCP)	Not Detected (≤0.5 mg/kg)		
6.	Rubber parts	N-Nitrosamines		Not Detected (≤0.5 mg/kg)		GB/T 24153-2009
7.	Lining and insole	Colourfastness to rubbing (staining)		≥3 grade	≥2-3 grade	QB/T 2882-2007 Method A
Note: a. infant's footwear is defined as shoes not greater than 170 mm in size and to be worn by a child 36 months of age or under.						

LABELLING REQUIREMENT

CHINA LABELLING REQUIREMENT FOR TEXTILE PRODUCTS

Labelling content

According to GB/T 5296.4-2012 and the Product Quality Law of the People's Republic of China and relevant product regulations, a complete product label should consist of below information:

1. Name and address of manufacturer
2. Product name
3. Product size or specification
4. Fiber content and composition
5. Care instruction
6. Product standard executed
7. Product quality grade**
8. Certificate of product qualification**
9. Safety category
10. Usage and storage conditions taken into account***

Note

** Requirements based on product quality law of PRC are recommended

*** Optional information

Remarks

- For imported textiles and apparel, origin of production (country or location) and the name and address of its agent or importer or distributor in China that is registered in accordance with the law shall be listed out in Simplified Chinese.
- With reference to the Law of the People's Republic of China on Product Quality, product quality grades and certificate of product qualification are suggested to be included.
- If necessary, notes of usage and storage conditions are suggested to be in proper reminder.

Apart from above regular textiles labelling requirements, special requirements from certain product standards should also be compiled with.

- GB/T 14272-2021 Down Garment requires specification of species, down cluster and filling weight.
- GB/T 32614-2016 Outdoor sportswear—Water resistant garment requires specification of Class I or Class II in term of the fabric's functionality. Unspecified garment will be regarded as Class I.
- FZ/T 81006-2017 Jeanswear requires specification of Unwashed or Washed Jeanswear, as well as any special treatment and destructed treatment.

Form of labelling











Product labelling can come in various forms, such as hang tag, sewn label, direct print or sticker on product package. In general, textiles get both hang tags and durable labels (directly printed, stitched or label sewn onto the products). Durable labels should consist of three components, including "Product size or specification", "Fiber content and composition" and "Care instruction". When multiple forms of labelling are used, content should remain consistent and aligned across all labels.

Example 1: Casual suit

Hangtag

合格证	品牌名称或商标
产品名称: 女式休闲套衫	
执行标准: FZ/T 73020-2019	
安全类别: GB 18401-2010 B 类	
产品等级: 合格品	
制造者名称: ABC 公司	
地址及联系方式: 甲市乙街188号 (+86 12 345678900)	

Care label











纤维成分: 70% 棉, 30% 聚酯纤维
号型: 160/84A
    
Fiber content and composition: 70% Cotton, 30% Polyester
Product size: 160/84A
    

Example 2: Down jacket

Hangtag

合格证	品牌名称或商标
产品名称: 男式机织羽绒服	
执行标准: GB/T 14272-2021	
安全类别: GB 18401-2010 C 类	
产品等级: 一等品	
制造者名称: XYZ 公司	
地址及联系方式: 丙市戊街79号 (+86 99 87654321)	

Care label


纤维成分:
面料: 100% 聚酯纤维
袖里料: 100% 尼龙
填充物: 鸭绒 (绒子含量80%)
充绒量: 200克
号型: 175/92A
    
Fiber content and composition:
Shell: 100% Polyester
Lining: 100% Nylon
Filling: Duck down (Down Cluster: 80%)
Net fill weight: 200g
Product size: 175/92A
    

Example 3: Jeans jacket

Hangtag

合格证	品牌名称或商标
产品名称: 女式牛仔外套 (水洗产品)	
号型: 165/88A	
纤维成分: 100% 棉	
执行标准: FZ/T 81006-2017	
安全类别: GB 18401-2010 B 类	
产品等级: 合格品	
制造者名称: EFG 公司	
地址及联系方式: 丁市西街668号 (+86 456789123)	
    	与相似颜色的制品一同水洗
Certificate	[Brand name or Logo]
Product name: women's jeans jacket	
Product size: 175/92A	
Fiber content and composition: 100% cotton	
Executive standard: FZ/T 81006-2017	
Safety category: GB 18401-2010 Category B	
Quality grade: Pass	
Manufacturer: EFG Company	
Address and telephone: No. 668, EEE Street (+86 456789123)	
    	Wash with garments of similar colours

Care label

纤维成分: 100% 棉
号型: 165/88A
    
与相似颜色的制品一同水洗
Fiber content and composition: 100% Cotton
Product size: 165/88A
    
Wash with garments of similar colours

LABELLING REQUIREMENT FOR FOOTWEAR

Footwear manufacturers are required to make correct labelling and guide consumers to understand the labels properly. General labelling requirements for footwear are specified in QB/T 2673-2013. For rubber shoes or rubber/plastic shoes, the standard of HG/T 2403-2018 should be referenced.

There are three principles in footwear labelling:

1. Content of the label should be precise, accurate, scientific and easy to understand.
2. Content shown on the label should reflect the actual information and attributes of the products.
3. Content, when same item used in different position, such as footwear, inner packaging (including hangtag) and outer packaging, should be consistent.

Labelling content

Position	Item	QB/T 2673-2013	HG/T 2403-2018
Shoes	Shoe size	M	M
	Brand or Company name	M	M
	Article No.	M	O
Retail package (shoe box or hangtag)	Brand	O	M
	Shoe size	M	M
	Company name	M	M
	Company address	M	M
	Tel.	M	M
	Executive Standard	M	M
	Date of production	M	M
	Product name	M	M
	Quality grade	M	M
	Colour	M	O
	Article No.	M	M
	Place of origin	M	M
	3R Warranty	M	M
	Material	M	M
	Certificate of Qualification ²	M	M
Note: 1) M means Mandatory / O means Optional. 2) According to "Product Quality Law of the People's Republic of China" Article 27, Certificate of Qualification should also be shown on the label.			

Labelling content format and requirement

- Graphic or characters can be used in labelling of shoes, inner packaging (including hangtag) and outer packaging in clear and easy to understand formats.
- Content of label on the shoes and inner packaging should be clearly visible within a certain period of time which is no shorter than the three warranties period.
- Product quality can be indicated by either Certificate or Warranty Card.
- Chinese characters used in the labels should be normative characters. Pinyin and foreign language are optional but font size should not be bigger than corresponding Chinese characters. Height of font shall not be less than 1.8mm.

Example 1

<p>合格证</p> <p>产品名称: 女式运动鞋 鞋码: 230 (1.5) 鞋面材质: 牛剖层革 + 织物 产地: A省X市 生产商: ABC公司 联系方式: +86 456789123 地址: 乙街234号 执行标准: GB/T 15107-2013 生产日期: 2018/11/29 颜色: 棕 货号: 12345 质量等级: 合格品 三包规定: XXXXXXXXXXXXXXXXXXXX</p>
<p>Certificate</p> <p>Product name: women's athletic shoes Shoe size: 230 (1.5) Upper materials: Bovine split leather + Textile Origin: XX Province XX City Manufacturer: ABC Company Tel: +86 456789123 Address: No. 234, Q Street Executive standard: GB/T 15107-2013 Date of production: 2018-11-29 Colour: Brown Article No.: 12345 Quality grade: Pass Three warranties of qualities: XXXXXXXXXXXX</p>

Example 2

<p>合格证</p> <p>产品名称: 男式休闲鞋 鞋码: 260 (2.5) 鞋面材质: 织物 + 合成革 产地: 越南 经销商: XYZ公司 联系方式: 00 987654321 地址: 东街72号 执行标准: QB/T 2955-2017 生产日期: 2018/3/16 颜色: 黑 货号: 2330-22 质量等级: 合格品 三包规定: XXXXXXXXXXXXXXXXXXXX</p>
<p>Certificate</p> <p>Product name: men's casual shoes Shoe size: 260 (2.5) Upper materials: Textile + Synthetic leather Origin: Vietnam Dealer: XYZ Company Tel: 00 987654321 Address: No.72, MOM Street Executive standard: QB/T 2955-2017 Date of production: 2018-03-16 Colour: Black Article No.: 2330-22 Quality grade: Pass Three warranties of qualities: XXXXXXXXXXXX</p>



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