

## VERSION NO OFICIAL

China Proposed Limit of Harmful Matter on Leather and Fur

### 1. Scope

China proposes a new national standard to restrict the use of azodyes and formaldehyde for leather and fur articles.

The standard is applicable to daily used leather and fur products (exclude raw materials) such as: leather shoes, leather and fur garments, leather furniture and other leather and fur products, which are produced, sold and used within the territory of China. Chapters 5 and 7 of this standard are mandatory, other chapters are voluntary.  
(*Se aplica a los productos de cuero y de piel de uso diario (excluido los materiales sin elaborar), calzado de cuero, prendas de cuero y de piel, muebles de cuero y otros productos de cuero y de piel que se manufacturen, vendan y utilicen en el territorio de China. Los capítulos 5 y 7 de esta norma tienen carácter obligatorio; los restantes son de aplicación voluntaria.*)

### 2. Standard Reference Documents

GB/T XXXX 皮革和毛皮 化学试验 禁用偶氮染料的测定(GB/T XXXX-2005, ISO/TS 17234: 2003, Leather— Chemical tests — Determination of certain azo colourants in dyed leather, MOD)  
GB/T XXXX 皮革和毛皮 化学试验 甲醛含量的测定(GB/T XXXX-2005, ISO/TS 17226: 2003, Leather — Chemical tests — Determination of formaldehyde content in leather, MOD)

#### Test Methods

##### ISO/TS 17234:2003

Leather -- Chemical tests -- Determination of certain azo colourants in dyed leathers

##### Abstract

ISO/TS 17234:2003 specifies a method for detecting the use of certain azo colourants which may release aromatic amines.

##### ISO/TS 17226:2003

Leather -- Chemical tests -- Determination of formaldehyde content

##### Abstract

ISO/TS 17226:2003 specifies two methods for the determination of free and released formaldehyde in leathers. One method is relatively simple with regard to the laboratory equipment (colorimetric method), while the other needs more sophisticated equipment (HPLC method). The HPLC method is selective and not sensitive to coloured extracts

### 3. Definitions

#### 3.1 婴幼儿用品 ~~products for babies~~

年龄在24个月以内(含)的婴幼儿使用的产品。

#### 3.2 直接接触皮肤的产品 ~~products with direct contact to skin~~

在穿着或使用吋, 产品的大部分面积直接与人体皮肤接触的产品。

#### 3.3 非直接接触皮肤的产品 ~~products without direct contact to skin~~

在穿着或使用吋, 产品不直接与人体皮肤接触, 或仅有小部分面积直接与人体皮肤接触的产品。

### 4. Classification of Products

There are 3 product categories:

1. Cat. A - Products for babies (products for babies and children up to the age of 24 months);
2. Cat. B - Products in direct contact with skin (which are worn with a large part of surface in direct contact with the skin); and
3. Cat. C - Products without direct contact with skin (which are worn with only a little part of surface in direct contact with the skin).

### 5. Requirements (mandatory)

Tables of requirements :

Producto	Clase A	Clase B	Clase C
formaldehído (mg/kg) ≤	20	75	300 (cuero de oveja rasado blanco 600)
arilaminas capaces de desdoblamiento (mg/kg) ≤	30	30	30

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表 1 有害物质限量值 (续)

注:被禁芳香胺名称见附录 A。如果 4-氨基联苯和 (或) 2-萘胺的含量超过 30 mg/kg, 且没有其它的证据, 以现有的科学知识, 尚不能断定使用了禁用偶氮染料。

## 6. Experiment Methods

G/TBT/N/CH/20 Textiles

¿? 6.1 Determination of formaldehyde content shall be in accordance with GB/T XXXX.X

¿? 6.2

## 7 Inspection Rules (mandatory)

G/TBT/N/CH/20 Textiles

7.1 Randomly take one representative sample of each model and each colour respectively from each lot of products.

7.2 For fabrics, a sample should be taken starting from two metres away from the edge of fabric, and the length of the fabric sample should not be less than 0.5 metres. For clothes or finished products, the quantity of samples should meet the needs of the test.

7.3 The samples taken should be sealed tightly, stored well and not treated.

7.4 If the test result of a sample completely complies with the specification (for products with two accessories or more, each accessory has to meet the requirements of Table 1) indicated in Table 1 (General Safety and Technical Specification of Textile Products), the general safety functions of the sample are regarded as "passed," otherwise the sample is judged as "failed."

**Note: In general, no such restriction is made on small accessories with a weight of less than 1% of the whole Type B or Type C product.**

7.5 If all the samples taken are passed, the general safety functions of this lot of products are judged as "passed." If one of the samples taken is failed, the products of the respective model or colour are judged as "failed."

## 8 Inspection Report

## Appendix A

G/TBT/N/CH/20 Textiles (Standard Appendix)

¿? List of Aromatic Amines Not Permitted in Dissolvable Dyes on Deoxidisation

A.1: List of aromatic amines (23):

	CAS Number	Substances
1	92-67-1	4-aminobiphenyl
2	92-87-5	Benzidine
3	95-69-2	4-chloro-o-toluidine
4	91-59-8	2-naphthylamine
5	97-56-3	2-aminoazotoluene
6	99-55-8	2-amino-4-nitrotoluene
7	106-47-8	p-chloroaniline
8	615-05-4	2,4'-diaminoanisole
9	101-77-9	4,4'-diaminodiphenylmethane
10	91-94-1	3,3'-dichlorobenzidine
11	1 19-90-4	3,3'-dimethoxybenzidine
12	119-93-7	3,3'-dimethylbenzidine
13	838-88-0	3,3'-dimethyl-4,4'-diaminodiphenylmethane
14	120-71-8	p-cresidine
15	101-14-4	4,4'-methylene-bis-(2-chloroaniline)
16	101-80-4	4,4'-oxydianiline
17	139-65-1	4,4'-thiodianiline
18	95-53-4	2-toluidine
19	95-80-7	2,4-toluylenediamine
20	137-17-7	2,4,5-trimethylaniline
21	90-04-0	2-anisidine
22	95-68-1	2,4-xylidine
23	87-62-7	2,6-xylidine

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**Appendix B***(Information Appendix)**Product Classification Examples*

*The products in Table B1 are regarded as examples of the classifications.  
Product types determined according to their final usage are not listed in this Table.*

**表 B.1 产品分类示例**

分 类	典 型 示 例
A类: 婴幼儿用品	内衣、手套、袜子、外衣、帽子、床上用品
B类: 直接接触皮肤的产品	内衣、无衬里手套、袜子、皮凉席、无衬里直接贴身穿着衣物
C类: 非直接接触皮肤的产品	皮衣、裤子、裙子、挂毯、装饰物