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Safety Technical Code for Infants and Children Textile Products

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Foreword

All technical contents in this Standard are compulsory.

This Standard is implemented from June 1, 2016, and the transitional period will last for 2 years. Namely, the products produced before June 1, 2016 and meeting the requirements in relevant standards are permitted to be sold on the market until May 31, 2018.

This Standard was drafted according to the rules given in GB/T 1.1-2009.

This Standard was proposed by China National Textile and Apparel Council.

This Standard shall be under the jurisdiction of National Technical Committee on Textile of Standardization Administration of China (SAC/TC 209) and National Technical Committee on Clothes of Standardization Administration of China (SAC/TC 219).

Chief drafting organizations of this Standard: Standardization Research Institute of Textile Industry, Science and Technology Development Center for Textile Industry, National Textile Quality Supervision Testing Center, and Shanghai Clothing Research Institute.

Chief drafting staffs of this Standard: Xu Lu, Sun Ximin, Fang Xijiang, Zheng Yuying, and Xu Jian.

Safety Technical Code for Infants and Children Textile Products

1 Scope

This Standard specifies the safety technical requirements, test methods and inspection rules for infants and children textile products.

This Standard is applicable to the infants and children textile products sold in China.

Note: Those products such as fabric plush toys, fabric handicraft, single-use sanitary products, bags, suitcases, handbags, knapsacks, umbrellas, carpets and professional sport-wear are not covered by this Standard.

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest editions of the normative documents (including all the amendments) are applicable to this document.

GB/T 3920	Textiles - Tests for Colour Fastness - Colour Fastness to Rubbing
GB/T 4841.3	Colour Cards of Standard Depths for Dyeing with Dyestuffs 2/1, 1/3, 1/6, 1/12, 1/25
GB/T 8629	Textiles - Domestic Washing and Drying Procedures for Textile Testing
GB/T 14644	Textiles - Burning Behaviour - 45° Test Determination of Flame Spread Rate
GB/T 17685	Down and Feather
GB 18401	National General Safety Technical Code for Textile Products
GB/T 20388	Textiles - Determination of the Content of Phthalates
GB/T 30157	Determination of Total Lead and Total Cadmium Content of Textiles
GB/T 31702	Test Methods of Textiles Products Accessories Sharpness

3 Terms and Definitions

For the purpose of this document, the following terms and definitions apply.

3.1

Textile products

The products with natural fiber and chemical fiber as principal raw materials and made by spinning, weaving, dying and other processing techniques or then be sewed and composited, etc., such as yarn, fabric and their finished products.

[Definition 3.1 in GB 18401-2010]

3.2

Textile products for infants

The textile products for children at the age of 36 months or below to wear or use.

[Definition 3.3 in GB 18401-2010]

Note: Generally the textile products worn or used by infants of 100cm or below in height may serve as the textile products for infants.

3.3

Textile products for children

The textile products for children at the age of over 3 years old and under 14 years old to wear or use.

Note: Generally the textile products worn or used by children (girls) above 100cm and below 155cm (including 155cm) or children (boys) above 100cm and below 160cm (including 160cm) in height may serve as textile products for children, where the textile products for children of 130cm or below in height may serve as the children clothing under 7 years old.

3.4

Textile products with direct contact to skin

The textile products that most part of the products directly contacts to skin when worn or used.

[Definition 3.4 in GB 18401-2010]

3.5

variety; take one sample from each variety according to different colours; the size and quantity of sample shall conform to the test requirements.

6.2 Place the extracted sample in seal without any treatment.

6.3 Single sample evaluation: evaluate the sample according to the product class and by reference to the requirements of Chapter 4. If all test results conform to the corresponding requirements of the class (for products with two kinds or more components, each one shall conform to the corresponding requirements of its class), the sample meets the standard; otherwise, the sample is not conforming. For the small components of weight not exceeding 1% of the total weight of textile product for children, items in 4.2 are not examined.

6.4 Batch sample evaluation: if all the extracted samples are qualified, this batch of products is judged as conforming to this Standard. If unqualified sample exists, the products of this class or colour represented by this sample are judged as unqualified.

phenomena for the measured components like obvious deformation and fragmentation shall be avoided.

A.4.1.3 Start the stretching tester, stretch the sample slowly to the fixed load at a certain speed, and keep at the fixed load for 10s. The stretching resistance of the attached components is unqualified if the following conditions appear:

- Attached components shed from main body;
- Attached components damaged;
- Fabric breakage, tear, etc.

A.4.1.4 Test other attached components of the sample according to above procedures.

A.4.2 Washing test

A.4.2.1 Check all attached components of the sample, and record their original states at the sample in detail.

A.4.2.2 According to GB/T 8629, wash the sample with Type-A washing machine, by following normal stirring procedure at 40°C, and then hang to dry.

A.4.2.3 Check all attached components at the sample after washing, and record their states. The sample is unqualified if slight change, visible change or entire breakaway appear as shown in the following conditions:

- Unchanged;
- Negligibly changed: compared with the original state, the attached components change slightly but still adhere to the sample strongly.
- Slightly changed: the attached components loose slightly and visibly;
- Evidently changed: the attached components or textile fabrics are damaged evidently;
- Entire breakaway: the attached components break away from the textile fabric entirely.

A.5 Test report

The test report shall include the following contents:

- a) Product description;
- b) Category, size, quantity and location of attached components;

- c) Stretching resistance and destructive type of each attached component;
- d) If necessary, the appearance state of attached components after washing;
- e) Explanations deviating from this appendix.

Bibliography

- [1] GB/T 22702 Standard Safety Size for Drawstrings on Children's Upper Wear
- [2] GB/T 22704 Code of Practice for The Design and Manufacture of Children's Clothing to Promote Mechanical Safety
- [3] GB/T 22705 Safety Specifications for Cords and Drawstrings on Children's Clothing
- [4] GB/T 24121 Textile Products - Determination of the Remains of Broken Sewing Needle
- [5] GB/T 24279 Textiles - Determination of the Banned/Limited Flame Retardants

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Contact: Wayne Zheng, Sales@ChineseStandard.net

Linkin: <https://www.linkedin.com/in/waynezhengwenrui/>

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