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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

SN/T 5234-2020

**Import and export of infant and child textile products
accessories safety performance test method**

进出口婴童纺织产品 附件安全性能测试方法

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard was proposed and managed by the General Administration of Customs of the People's Republic of China.

Drafting organizations of this standard. Nanjing Customs of the People's Republic of China, Shandong Product Quality Inspection and Research Institute, Yancheng Industrial Vocational Technology College, Qingdao Customs of the People's Republic of China, Chongqing Customs of the People's Republic of China, Jiangmen Customs of the People's Republic of China.

1 Scope

This standard specifies the mechanical safety performance test methods for accessories on imported and exported baby and child textile products, mainly including bite force test, torsion force Test, tensile test, washing test, sharp edge, sharp tip test method.

This standard applies to import and export infant and child textile products with metal, textile, plastic and other material accessories.

Select the appropriate test method for the type of parts.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 6529 Textiles Standard atmosphere for humidity control and testing GB/T 8629 Textiles test household washing and drying procedures GB 31701-2015 Safety technical specifications for textile products for infants and children GB/T 31702-2015 Test method for sharpness of textile accessories GB/T 32599-2016 Test Method for Falling Off Strength of Textile Product Accessories

3 Terms and definitions

The following terms and definitions apply to this document.

Textile products

Using natural fiber and chemical fiber as the main raw materials, it is made by spinning, weaving, dyeing and other processing techniques or by sewing and compounding techniques.

Products, such as yarns, fabrics and their finished products.

[GB 31701-2015, definition 3.1] 3.2 Textile products for infants and children Textile products worn or used by infants and children aged 14 and below.

Attached components

Parts that play a role in connection, decoration, identification or other functions on textile products, such as buttons, zippers, and decorative pieces.

[GB/T 31702-2015, definition 3.1] 3.4 Sharp edge Accessible edges of attachments that may create a cut hazard.

[GB/T 31702-2015, definition 3.2] 3.5 Sharp point Accessible attachment tips that may cause puncture hazards.

[GB/T 31702-2015, definition 3.3]

4.1 Environmental requirements

The standard atmosphere for humidity control and test shall be implemented in accordance with the regulations of GB/T 6529.

4.2 Sample requirements

Five accessories of the same type and size are tested on each sample. If the number of attachments is less than 5, test all attachments and report it is indicated in the report. The test generally does not cut samples, and directly tests the accessories on the finished product.

5.1 Principle

Place the accessory in a suitable bite force tester. The bite force tester simulates the occlusal state of children's teeth and applies After a certain load, after a certain period of time, evaluate whether the accessory has fallen off the sample or is damaged.

5.2 Specimen

The size is (31.8 ± 1.27) mm or smaller, and allows children to insert into the mouth in any way. The bite thickness is less than (31.8 ± 1.27) mm, the insertion depth can reach 6.35 mm accessories, all need to be bite test.

5.3 Equipment

Bite force tester. from two pieces with a height of (6.35 ± 0.05) mm, a contact edge radius of (0.51 ± 0.05) mm, and a section arc to the recommended size of the bite force tester is shown in Figure 1.

Dynamometer. division value ≤ 1 N.

Timer. division value ≤ 0.1 s.

5.4 Test procedure

5.4.1

Put the accessories on the sample into the upper and lower pressing plates of the bite force tester at an appropriate position, and put them in a depth of 6.35 mm ~ Between 12.7 mm.

5.4.2

Determine the load value applied on the bite force tester according to the age range in Table 1, and gradually and evenly increase the load to the specified negative value within 5 s.

Load, and continue this load for 10 s.

Unit is mm

5.4.3

After the load is removed, check and record the attachment status. It is unqualified when the accessories fall off or the accessories are damaged in the following situations.

--The accessory falls off the sample;

--The accessory is damaged;

--There is no obvious change.

5.4.4

Follow the above steps to test other accessories to be tested on the sample.

5.4.5

If the test accessory falls off, causing other accessible parts on the sample that may be bitten to be exposed, the parts shall be Bite force test.