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**Safety technical specifications for infants' and children's
footwear**

童鞋安全技术规范

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Table of Contents

1 Scope	3
2 Normative references	3
3 Terms and definitions	4
4 Product classification	5
5 Technical requirements.....	5
6 Test methods	7
7 Determination	9
8 Implementation of the standard	9
Appendix A (Normative) List of decomposable carcinogenic aromatic amines	10
Appendix B (Normative) List of banned N-nitrosamine substances in rubber parts ..	11
Appendix C (Normative) Information on restricted phthalate plasticizers	12

Safety technical specifications for infants' and children's footwear

1 Scope

This document defines the terms and definitions of infants' and children's footwear safety; specifies product classification, technical requirements, judgments; describes the corresponding test methods.

This document applies to footwear products made of various materials for children under 14 years old (inclusive) and infants.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in the text. Among them, for dated references, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies to this document.

GB/T 2703 Footwear - Terminology

GB/T 2912.1 Textiles - Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method)

GB 6675.2-2014 Safety of toys - Part 2: Mechanical and physical properties

GB/T 17592 Textiles - Determination of the banned azo colorant

GB/T 18414.1 Textiles - Determination of the content of chlorinated phenols -- Part 1: Gas chromatography/mass spectrography

GB/T 19941.1 Leather and fur - Determination of formaldehyde content - Part 1: High performance liquid chromatography method

GB/T 19941.2 Leather and fur - Determination of formaldehyde content - Part 2: Colorimetric method

GB/T 19942 Leather and fur - Chemical tests - Determination of banned azo colorants

GB/T 22807 Leather and fur - Chemical tests - Determination of chromium VI content

3.3

Sharp point

The protruding point on any part of the children's shoes that may cause harm to the user.

3.4

Removable small accessory

Parts or components of a shoe that are designed to be removed without tools.

[Source: GB 6675.2-2014, 3.43, modified]

3.5

Children's footwear

Shoes which have a size greater than 170 and are generally suitable for children aged 3 to 14 years old.

[Source: GB/T 2703-2017, 2.2.10, modified]

3.6

Infants' footwear

Shoes which have a size not greater than 170 and are generally suitable for infants aged 3 years and below.

[Source: GB/T 2703-2017, 2.2.44, modified]

4 Product classification

Children's footwear is divided into the following two categories according to the wearer:

- a) Infants' shoes;
- b) Children's shoes.

5 Technical requirements

5.1 Basic requirements

5.1.1 There shall be no broken needles inside or outside the shoe.

accuracy of not less than 1 mm.

6.4 Small accessories for infant and children shoes

6.4.1 Tensile test of non-detachable small accessories

Perform a general tensile test in accordance with 5.24.6.1 of GB 6675.2-2014.

6.4.2 Small accessory inclusion test

Perform the test in accordance with 5.2 of GB 6675.2-2014, to determine whether it can be completely contained in the small parts tester.

6.5 Hexavalent chromium

Different samples shall be tested separately and in accordance with GB/T 22807 or GB/T 38402. In case of dispute, the test result of GB/T 38402 shall prevail.

6.6 Decomposable carcinogenic aromatic amine dyes

6.6.1 Different samples shall be tested separately. If the lining and upper cannot be separated, they shall be tested together in accordance with the test method of the lining material. For the samples to be tested with other materials attached to the back, the other materials attached to the back shall be completely peeled off before testing. If it is really difficult to remove, the situation shall be noted in the report.

6.6.2 Textiles, artificial leather, synthetic leather shall be tested in accordance with GB/T 17592; leather and fur shall be tested in accordance with GB/T 19942.

6.7 Formaldehyde

6.7.1 The specimen preparation is the same as 6.6.1.

6.7.2 Textiles, artificial leather, synthetic leather shall be tested according to GB/T 2912.1; leather and fur shall be tested according to GB/T 19941.1 or GB/T 19941.2. In case of dispute, the test result of GB/T 19941.1 shall prevail.

6.8 Total amount of heavy metals

Different samples shall be inspected separately according to QB/T 4340.

6.9 Dimethyl fumarate

Different samples shall be inspected separately according to GB/T 26713.

6.10 Chlorophenol

6.10.1 The specimen preparation is the same as 6.6.1.

6.10.2 Textiles, artificial leather, synthetic leather shall be tested in accordance with GB/T 18414.1; leather and fur shall be tested in accordance with GB/T 22808.

6.11 N-nitrosamines

Different samples shall be inspected separately in accordance with ISO 19577:2019.

6.12 Phthalates

Different samples shall be tested separately. For samples with other materials attached to the back, the other materials attached to the back shall be completely peeled off before testing. If it is really difficult to remove, the situation shall be noted in the report. It is inspected in accordance with GB/T 32440.1.

6.13 Short-chain chlorinated paraffins

6.13.1 Specimen preparation is the same as 6.6.1.

6.13.2 Textiles shall be inspected in accordance with GB/T 40263; leather, fur, artificial leather, synthetic leather shall be inspected in accordance with GB/T 38405; synthetic materials such as rubber and plastic shall be inspected in accordance with SN/T 3814.

7 Determination

Determination shall be made in accordance with Chapter 5. If all the test results meet the requirements of Chapter 5, the sample shall be judged as qualified; otherwise, it shall be unqualified.

8 Implementation of the standard

For products produced or imported before the implementation date of this document, implementation shall begin from the 13th month from the date of implementation of this document.

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