

ICS 61.020
CCS Y76



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

GB/T 31900-2024

Woven children's clothing

机织儿童服装

Issued on: November 28, 2024

Implemented on: December 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

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1 Scope

GB/T 31900-2024 is the Chinese standard for woven children's clothing. Children's garments carry requirements adult ones do not, and most of them exist because of a specific accident: cords and drawstrings at the neck that catch on playground equipment, small parts that detach and are swallowed, sharp points and hard ornaments, and dyes and finishes that a child will suck and absorb. The standard sets the classification and grades, then the requirements: the appearance and workmanship, the dimensional specifications and their tolerances, the fabric performance including tensile and tear strength, seam slippage, pilling and abrasion, the colour fastness to washing, perspiration, rubbing, saliva and light, the dimensional stability to washing, the safety requirements on cords, small parts and sharp objects, and the chemical requirements covering formaldehyde, pH, azo dyes, extractable heavy metals and odour. It then gives the test methods, the inspection rules and the marking, packaging, transport and storage. It takes effect on 1 December 2026.

This Document specifies the requirements, inspection rules, as well as marking, packaging, transportation and storage of woven children's clothing; and describes the corresponding test methods. This Document applies to children's clothing produced with textile woven fabrics as the main fabric. This Document does not apply to clothing filled with down feathers, natural fibers, chemical fibers and their blends in the main parts. This Document does not apply to clothing for infants and young children aged 36 months and below.

2 Normative References

The provisions in following documents become the essential provisions of this Document through reference in this Document. For the dated documents, only the versions with the dates indicated are applicable to this Document; for the undated documents, only the latest version (including all the amendments) is applicable to this Document.

GB/T 250 Textiles - Tests for color fastness - Grey scale for assessing change in color

GB/T 1335 (all parts) Size designation of clothes

GB/T 3917.2 Textiles - Tear properties of fabrics - Part

2.Determination of tear force of trouser-shaped test specimens (Single tear method)

GB/T 3921-2008 Textiles - Tests for color fastness - Color fastness to washing with soap or soap and soda

GB/T 4802.1-2008 Textiles - Determination of fabric propensity to surface fuzzing and to pilling - Part

3 Terms and Definitions

For the purposes of this Document, the terms and definitions given in GB 31701 and GB/T 15557 apply.

4 Requirements

4.1 Instructions for use The instructions for use shall comply with the provisions of GB/T 5296.4 and GB 31701.

4.2 Size and specification

4.2.1 The setting of size shall be according to the provisions of GB/T 1335 (all parts).

4.2.2 The specifications of the main parts of the finished product shall be properly designed according to the relevant provisions of GB/T 1335 (all parts).

4.3 Raw and auxiliary materials The fabrics and linings shall meet the relevant requirements of this Document. The used linings, seams and other auxiliary materials shall be suitable for the fabrics. Buttons, decorative buckles, zippers and other accessories shall have smooth surfaces, no burrs, no defects, no imperfections, no touchable sharp points and sharp edges. The zipper meshes well and smoothly. NOTE. Touchable sharp points and sharp edges refer to sharp points and edges on the finished product that may cause harm to human skin.

4.4 Direction of warp and weft yarns The yarn skewness of the collar, body, sleeves and

trousers shall not exceed 3%; and the bottom edge of the front body shall not be upturned.

4.5.1 Fabrics with obvious stripes and plaids with a width of

1.0 cm or more shall meet the requirements of Table 1, except for special designs. tightness of upper and lower threads, no skipped threads or broken threads; the starting and ending needle points and pocket openings shall be sewn firmly with backstitching. The armholes, sleeve seams, hem seams, bottom edges, cuffs, front facing inside edge and the other parts shall take overlapping stitches; and the back rise of the trousers shall be sewn with double threads or chain threads.

4.8.3 The exposed seam allowance shall be overlocked or heat-cut; and the seam allowance of each part shall be no less than

0.8 cm, except for special parts such as insert pockets, collar facings, and front edge of plackets. The top stitching, binding, and layering shall be flat and of uniform width. There shall be no skipping stitches in the collar and placket. There shall be no continuous skipping stitches or more than one single skipping stitch within 30 cm in other parts.

4.8.4 The collar surface is flat and not warped; the collar surface and lining are of appropriate tightness; the collar (compared with the shoulder seam of the collar) is not skewed; and there shall be no connection in the exposed line of the collar.

4.8.5 The diagonal is round and smooth at sleeve cap; and the front and back sleeves are consistent. The length and position of the darts are consistent; the fine pleats (including tuck lines) are uniform; and the width of the pleats is consistent; the length of the front fly and the under fly is appropriate; and the facing doesn't lean out of front edge.

4.8.6 The pocket cloth and padding shall be folded or oversewn to prevent the edge yarn from falling off; the pocket and the pocket cover shall be square and smooth.

4.8.7 The elastic waistband of the pants or waistband of skirt shall be uniform in tightness and width.

4.8.8 The buttonholes shall be accurately positioned, of appropriate size; and the buttons and eyes shall be aligned, neat and firm. The four-buttons shall fit well, without deformation or overtightening; and the zipper tape of the placket shall be flat and straight. The buttons shall not be nailed on the single layer of cloth (excluding decorative button).

4.8.9 The side seams of the pants (skirts) shall be straight; the distortion rate of the pants shall not exceed 2%, the distortion rate of the tube skirt products shall not exceed 3%, and the shorts above the knees are not tested.

4.8.10 The symmetrical parts are basically consistent.

4.8.11 Decorations (embroidery, inlay, etc.) shall be firm and smooth, with no missing embroidery or no overlapping of printing.

4.8.12 The position of trademarks and durable labels shall be upright and smooth.

4.9 Allowable deviation of specifications and dimensions The allowable deviation of specifications and dimensions of the main parts of the finished

5.1 Inspection tools

5.1.1 Measuring ruler, non-retractable, with a graduation value of 1 mm.

5.1.2 Gray scale for assessing change in color (GB/T 250). 5.1.3 1/12 color cards of standard depths for dyeing with dyestuffs (GB/T 4841.3).

5.1.4 Sample photos of appearance defects of men's and women's thin, cotton clothing, and men's and women's children's thin clothing.

5.2 Specification determination The measurement method of the specifications and dimensions of the main parts shall be determined according to the method described in GB/T 31907.

5.3 Appearance determination

5.3.1 Appearance inspection is generally carried out by lighting, with an illumination of no less than 600 lx. If conditions permit, it can also be illuminated by northern sky light.

5.3.2 The sharpness of the tip and edge of the accessory shall be tested according to the provisions of GB/T 31702.

5.3.3 The degree of yarn skewness in the warp and weft directions shall be determined in accordance with the provisions of GB/T 14801 and the results shall be calculated using Formula (1). Where. S - the degree of yarn skewness in the warp or weft direction, in %; d - the maximum vertical distance between the warp or weft yarn and the ruler, in mm; W - the width of the measuring part, in mm.

5.3.4 When evaluating the degree of color difference, the yarn direction of the evaluated part shall be consistent. The incident light shall be at an angle of about 45° to the fabric surface; and the observation direction shall be perpendicular to the fabric surface. Visual inspection shall be performed at a distance of 60 cm and compared with the sample scale in GB/T 250.

5.3.5 When determining the allowable degree of appearance defects, visual inspection shall be are both shrinkage and elongation test results, the average value of the 2 shrinkage (or elongation) specimens shall be taken as the test result.

5.4.3 The color fastness to dry cleaning shall be determined according to the method described in GB/T 5711.

5.4.4 The color fastness to washing with soap shall be determined according to the method described in Method A (1) of GB/T 3921-2008.