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CCS Y75



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

GB/T 21980-2017

Replacing GB/T 21980-2008

**General technical specification for sportswear and protecting
suits**

专业运动服装和防护用品通用技术规范

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Foreword

This Standard was drafted in accordance with the rules given in GB/T 1.1-2009. This Standard replaces GB/T 21980-2008, Current technical criterion for sportswear and exposure suit. Compared with GB/T 21980-2008, the major technical changes are as follows: -- it changes the English name of this Standard (see cover; cover of 2008 edition); -- it changes the scope of this Standard (see Clause 1; Clause 1 of 2008 edition); -- it changes the normative references (see Clause 2; Clause 2 of 2008 edition); -- it changes the terms and definitions (see Clause 3; Clause 3 of 2008 edition); -- it changes the instructions for use (see 4.1;

4.1 of 2008 edition); -- it changes the general physicochemical property requirements and assesses products by classifying them into top-quality goods, qualified goods and so on (see Table 1; Table 1 of 2008 edition); -- it adjusts the item names and the expression method for the indicators for performance appraisal, including fibre content, formaldehyde content, pH value, decomposable carcinogenic aromatic amine dye, foreign odor, colour fastness, seam slippage, pants back rise seam strength and fabric tearing strength (see Table 1; Table 1 of 2008 edition); -- it adds the requirements for phenol yellow colour fastness, complex colour fastness to light-perspiration, wear-resisting property, tensile elasticity recovery, residual metal needle (see Table 1); -- it changes the requirements for colour fastness to light (see Table 1; Table 1 of 2008 edition); -- it changes the content of the note on colour fastness to wet rubbing (see footnote b of Table 1; notes 2 and 3 of Table 1 of 2008 edition); -- it adds the notes on phenol yellow colour fastness, colour fastness to transfer in joints, complex colour fastness to light-perspiration and tensile elasticity recovery (see footnotes c, d, e, f of Table 1); -- it changes the notes on protecting suits and seam slippage degree (see footnote a of Table 1; note 4 of Table 1 of 2008 edition); -- it adds the functional requirements for sportswear and protecting suits (see Table General technical

specification for sportswear and protecting suits

1 Scope

GB/T 21980-2017 is the Chinese national standard on general technical specification for sportswear and protecting suits, in the field of clothing industry. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 29 December 2017 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 July 2018.

Classification: ICS 61.020, CCS Y75. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This Standard specifies the requirements, test methods, inspection rules and marking, packaging, transportation and storage requirements for sportswear and protecting suits. This Standard applies to sportswear and protecting suits, which are made using textile fabric as the principal raw material. This Standard does not apply to the clothing for infants aged 36 months or less.

2 Normative references

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

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 colour fastness - Colour fastness to washing with soap or soap and soda

GB/T 4744, Textiles - Testing and evaluation for water resistance - Hydrostatic pressure method

GB/T 4745, Textile fabrics - Determination of resistance to surface wetting - Spray test

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 5296.4, Instructions for use of products of consumer interest - Part 4. Textiles and apparel

GB/T 8427-2008, Textiles - Tests for colour fastness - Colour fastness to artificial light. Xenon arc fading lamp test

GB/T 8629-2017, Textiles - Domestic washing and drying procedures for textile testing

GB/T 8630, Textiles - Determination of dimensional change in washing and drying

GB/T 12704.1-2009, Textiles - Test method for water-vapour transmission of fabrics - Part 1. Desiccant method

GB/T 15557, Standard terminology relating to apparel

GB 18401, National general safety technical code for textile products

GB/T 18830, Textiles - Evaluation for solar ultraviolet radiation protective properties

3 Terms and definitions

For the purposes of this document, the following terms and definitions, and those defined in GB/T 15557, apply.

3.1 sportswear if it is not indicated.

5.10 Hydrostatic pressure property is tested as specified in GB/T 4744. The washing method is as specified in GB/T 8629-2017. standard washing machine type A; washing procedure 4 N; repeated washing 3 times; drying method procedure A.

5.11 Spray rating is tested as specified in GB/T 4745 (distilled water temperature $20^{\circ}\text{C} \pm 2^{\circ}\text{C}$). The washing method is as specified in GB/T 8629-2017. standard washing machine type A; washing procedure 4 N; repeated washing 3 times; drying method procedure A.

5.12 Ultraviolet resistance property is tested as specified in GB/T 18830. The washing method is as specified in GB/T 8629-2017. standard washing machine type A; washing procedure 4 N; repeated washing 3 times; drying method procedure A.

5.13 Other physicochemical properties are tested as specified in GB/T 21294. In the arbitration test for colour fastness to water, perspiration and soaping, select single- fibre adjacent fabrics.

5.14 For the test items in which sampling locations are not mentioned, samples can be taken from finished products as required by test.

6 Inspection rules

6.1 Sampling rules Take 4 samples in accordance with the batches, types and colours of products. When the quantity is not sufficient for test, then it can be increased to meet the requirements of test.

6.2 Conformity criteria Test results shall be as required by

4.1 and 4.2.1. The products whose properties are indicated, also need to meet the requirements of 4.2.2. If all the samples taken meet relevant requirements, then the batch of products is determined to be a conformity. Or else, the batch of products is a non-conformity.

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