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

GB/T 23103-2018

Replacing GB/T 23103-2008

Sun umbrellas

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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 23103-2008 "Sun Umbrella". Compared with GB/T 23103-2008, the main technology except editorial modification The changes are as follows:

- Added normative references (see Chapter 2, Chapter 2 of the.2008 edition);
- Increased general requirements and test methods (see
- Revised the size requirements and test methods (see
- 5.6 and 6.6,.2008 and
- Revised product integrity requirements and test methods (see
- 5.7 and 6.7,.2008 versions
- Revised the structure of the solar umbrella structure (see Figure 1, Figure 1 of the.2008 version);
- Removed the use of security requirements and test methods (see.2008 editions
- Removed switch performance requirements and test methods (see.2008 editions
- Removed the bridging bar combination fastness requirements and test methods (2008 and
- Modified the number of trouble-free continuous switching requirements (see
- 5.11 of the 5.9,.2008 version);
- Modified rain performance requirements and test methods (see

1 Scope

China's national product standard for sun umbrellas. It specifies the product classification, the requirements, the test methods, the inspection rules, and the marks, packaging, transport and storage, and it applies to hand-held umbrellas made from fabrics of various

materials on an umbrella frame. It does not apply to mechanical or electrically operated parasols. A sun umbrella is sold on a claim that a rain umbrella does not make, and the claim is the reason for the standard. Protection from ultraviolet radiation is a health claim, it is invisible, and the consumer has no way to verify it: a dark, heavy-looking fabric may transmit more ultraviolet than a light one, since transmission depends on the fibre, the weave density, the finish and the coating rather than on how opaque the fabric looks. So the central requirements are the ultraviolet protection factor and the ultraviolet transmittance, measured by a defined method - and, critically, retained after use, since the coating that provides most of the protection on a coated fabric is exactly what abrades and washes off. Around them sit the properties that make the umbrella an umbrella: the strength of the frame and its resistance to wind, the operation of the opening and closing mechanism over a number of cycles, the strength of the joint between canopy and ribs, which is where an umbrella tears, the colour fastness to light and to rubbing, and the dimensions. The safety requirements cover the rib ends and the tip, which are the parts that injure people, and the chemical limits that apply to any consumer textile. Issued on 14 May 2018 and in force since 1 December 2018, it replaces GB/T 23103-2008.

This standard specifies the product classification, requirements, test methods, inspection rules and signs, packaging, transportation and storage of sun umbrella products. This standard applies to fabrics of different materials and hand-held umbrellas made of umbrella stands. This standard does not apply to mechanical and electric parasols.

2 Normative references

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

GB/T 250-2008 Textile color fastness test

GB/T 251-2008 Textile color fastness test evaluation gray sample card for staining

GB/T 2828.1-2012. Sampling procedures for sampling by sampling - Part 1 . Batch-by-batch inspections by Retrieving Quality of Acceptance (AQL) plan

GB/T 2829-2002 Periodic inspection count sampling procedures and tables (applicable to the inspection of process stability)

GB/T 5713 Textile color fastness test color fastness to water

GB/T 18457-2015 Stainless steel needle tube for medical devices

GB 31892 Umbrella product safety general technical conditions

GB/T 31895 Umbrella products wind strength test method QB/T 3826 Light-resistant products - Metallic coatings and chemically treated layers - Corrosion-resistant test method

- Neutral salt spray test (NSS) QB/T 3832-1999 Evaluation of corrosion test results of metal coatings for light industrial products QB/T 4743 Umbrella Product Specifications

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Sun umbrella beachumbrela An umbrella that can be used in different places.

3.2 Directional directional The umbrella pole cannot be adjusted in angle.

3.3 Turn to directionchangeable The pole can be adjusted in angle.

4 Product Categories

4.1 According to the rib structure, it is divided into straight bone umbrella and shrink umbrella.