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**Beach umbrella**

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## **Foreword**

This Standard is proposed by China National Light Industry

This Standard is under the jurisdiction of National Daily Groceries Standardization Centre.

Chief draft units of Standard are Beijing Quality Supervision Station of Light Industry, Hangzhou Tiantang Umbrella Co., Ltd, Shaoxing Jinding Umbrella Co., Ltd, Tianwaitian Umbrella Co., Ltd, Zhejiang Youyifeinuo Umbrella Co., Ltd, Quanzhou Hongli Umbrella Co., Ltd, Jinjiang Hongtai Rain Gear Fittings Co., Ltd, Quanzhou Meihua Outdoor Sports Co., Ltd, Hangzhou Shenshan Textile Co., Ltd, Jinjiang Jialemei Umbrella Co., Ltd, Xiamen Taiyangcheng Umbrella Co., Ltd, Fujian Fulong Umbrella Co., Ltd.

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## Beach umbrella

### 1 Scope

This standard specifies terms and definitions, product classification, requirements, test methods, rules of inspection, and Labeling, packaging, transportation, and storage for beach umbrella.

This standard applies to manually operated beach umbrella with cloth and umbrella stand made of different materials.

This standard is not applicable to mechanical and motorized beach umbrella.

### 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of this standard. For dated References, subsequent amendments to, or revisions of, any of these publications, not including contents of corrigendum, do not apply. However, all the parties to the agreement reached as per this part of this standard are encouraged to investigate the possibility of applying the latest editions of the standards indicated below. For undated references, the latest edition of the normative document referred to applies.

GB/T 250	Textile — Tests for color fastness — Grey scale for assessing change in color (GB/T 250 – 2008, ISO 105 – A02: 1993, IDT)
GB/T 251	Textiles — Tests for color fastness — Grey scale for assessing staining (GB/T 251 – 2008, ISO 105 – A03: 1993, IDT)
GB/T 1733	Determination of resistance to water of films
GB/T 2828.1	Sampling procedures for inspection by attributes - Part1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection (GB/T 2828.1 – 2003, ISO 2859 – 1: 1999, IDT)
GB/T 2829	Sampling procedures and tables for periodic inspection by attributes (Apply to inspection of process stability)
GB/T 5713	Textiles- Tests for color fastness - Color fastness to water (GB/T 5713 – 1997, eqv ISO 105 – E01: 1994)
GB/T 18830	Textiles – Evaluation for solar ultraviolet radiation protective properties
QB/T 3826	Corrosion – resistant testing method of the metal deposits and conversion coatings for the light industrial products — Neutral salt spraying test (NSS)
QB/T 3832	Evaluation of the corrosion test results of the metal deposits for the light industrial products.

### 3 Terms and definitions

For the purposes of this standard, the following terms and definitions apply.

#### 3.1

##### **beach umbrella**

an umbrella may be fixed for use at different sites.

#### 3.2

##### **directional**

the angle of the umbrella stand may not be adjustable

#### 3.3

##### **direction changeable**

the angle of the umbrella stand may be adjustable

### 4 Classification

4.1 By structure of shaft, an umbrella may be straight-shaft or folding.

4.2 By structure of umbrella, an umbrella may be directional or direction – changeable.

### 5 Requirements

#### 5.1 Appearance

5.1.1 An umbrella shall be clean and free of stain and rusting marking in appearance.

5.1.2 The electroplated and spray-coated pieces shall be free of peeling, burr, shrinking, rusting, blistering, and grin.

5.1.3 The plastic pieces shall be free of peeling, burr, shrinking, and blistering.

#### 5.2 Sewing

The seam of the umbrella cover shall not be separated and edge-exposed and shall be free of such defects as skipping, and broken stitches. There shall not be less than 13 needles within 50 mm of needle pitch density. The misalignment of pattern shall not exceed 8 mm on an umbrella cover not more than 1 m; not exceed 12 mm on an umbrella cover more than 1 m.

#### 5.3 Umbrella cover

The umbrella cover shall be free of hole. There shall not be more than 2 locations of total floating, broken warp, and broken woof in the same triangular piece on the textile fabric. On the same umbrella, there shall not be more than 5 locations of total floating, broken warp, and broken woof.

#### 5.4 Blocking resistance of umbrella cover

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