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QB

**LIGHT INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

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**Leather bracelets
(English Translation)**

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1 Scope

This document specifies the requirements for leather bracelets (hereinafter referred to as "bracelets") and describes the corresponding test methods. It specifies the inspection rules, marks, packaging, transportation, and storage contents.

This document applies to the production, inspection, and sale of bracelets made from various natural leather and synthetic leather materials. For the production, inspection, and sales of bracelets made of other materials, refer to this document.

2 Normative references

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

GB/T 2828.1, Sampling procedures for inspection by attributes -- Part 1. Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

GB/T 2829, Sampling procedures and tables for periodic inspection by attributes (apply to inspection of process stability)

GB/T 4048, Timekeeping instruments -- Wristwatches -- Dimensions of bracelet-to- case fastening elements

GB/T 10111, Generation of random numbers and procedures applied to sampling inspection for product quality

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 22808, Leather and fur -- Chemical tests -- Determination of chlorinated phenols content

GB/T 22930.1, Leather and fur -- Chemical determination of metal content -- Part

1.Extractable metals

GB/T 26125, Electrical and electronic products -- Determination of six regulated substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers)

GB/T 38020.2-2019, Watchcases and accessories -- Gold alloy coverings -- Part 2.

Determination of fineness, thickness, corrosion resistance and adhesion

QB/T 2537, Leather -- Tests for colour fastness -- Colour fastness to cycles of to- and-fro rubbing

QB/T 4781, Test conditions for appearance of watch casings

QB/T 5175.3, Wear environmental test methods for watch casings -- Part 3.solar radiation test

3 Terms and definitions

There are no terms or definitions that need to be defined in this document.

4.1.1 Series and limit deviation of width dimensions of bracelet shaft hole end

The width of the bracelet shaft hole end should comply with the size requirements in

GB/T 4048.The size series and limit deviation shall comply with the provisions of

Table 1.

4.1.2 Maximum deviation of bracelet length, thickness, and bracelet shaft hole

diameter

The shape of the bracelet should be straight, with a full, smooth, and natural curved surface, and a straight embedded core. The cutting and edging surfaces should be flat and smooth. The shape of the symmetrical part of the same bracelet should be basically consistent.

4.2.2 Bonding

The adhesive parts of the bracelet and hoop should be firm, flat, and free from any glue peeling.

4.2.3 Surface quality

4.2.3.1

The bracelet fabric and hoop should not have defects such as damage, wrinkles, cracks, looseness, stains, adhesive marks, etc. The color, pattern, and luster of the same bracelet should be basically consistent.

4.2.3.2

The lining of the bracelet should not have any damage, wrinkles, cracks, stains, or other obvious defects.

4.2.4 Bracelet pivot hole

The bracelet shaft hole should be smooth and unobstructed. There should be no residual glue or other foreign objects inside the hole.

4.3.1 Bracelet stitching density, stitch spacing, and limit deviation

The bracelet stitching density, stitch spacing, and limit deviation should comply with the provisions of Table 4.

4.3.2 Stitch

4.3.2.1

The stitching on the bracelet should be uniform. There should be no floating lines, open lines, jumping stitches, or other phenomena. Suture turns should be natural, smooth, and symmetrical.

4.3.2.2

The starting and ending lines of the two lines of stitching should be parallel to the end line of the shaft hole. Its parallelism should not exceed 0.5 mm.

4.3.2.3

There should be no residual threads on the surface or inside of the bracelet.

4.4 Punching holes

The punching hole surface of the bracelet should be neat and straight. The hole wall should be smooth. The deviation of the punching center from the centerline of the bracelet should

not exceed 0.5 mm.

4.5 Label

The bracelet label should be clear and upright. The edge of the label should be smooth and even. The deviation of the center line of the label from the center line of the bracelet should not exceed 0.5 mm.

NOTE: If there are special requirements for the labeling position, it shall be determined through consultation between the supplier and the purchaser.

4.6 Tensile properties

The tensile performance of the bracelet shaft hole end, bracelet body, and hoop should comply with the provisions of Table 5.

4.7 Tensile and torsional fatigue resistance performance

After the tensile and torsional fatigue performance test of the bracelet, there should be no fracture or damage to the shaft hole end of the bracelet, and no fracture to the bracelet body.

4.8 Bending fatigue performance

After the bending fatigue performance test of the bracelet, there should be no peeling, breakage, cracks, or glue peeling around the bending and punching areas.

4.9 Wear resistance

After the wear resistance test, the bracelet should not show obvious discoloration, wear, or surface detachment. The felt on the test head should not show obvious staining.

4.10 Punching test

After the punching test, there should be no peeling, cracking, or glue peeling around the punched bracelet.

4.11 Buckle test

4.11.1

The bracelet should pass smoothly through the buckle without any jamming.

4.11.2

After the buckle test, bracelets with stitch buckles should not show signs of wear or surface detachment.