

ICS 97.140

QB

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

QB/T 1952.1-2023

Upholstered furniture - Sofa
(English Translation)

Issued on: July 28, 2023

Implemented on: February 1, 2024

**Issued by: Ministry of Industry and Information Technology of the
People's Republic of China**

Table of Contents

Foreword...	3
1 Scope...	6
2 Normative references...	6
3 Terms and definitions...	8
4 Product classification...	11
5 Requirements...	12

Foreword

This document was drafted in accordance with the rules given in GB/T 1.1-2020

"Directives for standardization - Part 1.Rules for the structure and drafting of standardizing documents".

This document supersedes QB/T 1952.1-2012 "Upholstered furniture -- Sofa".

Compared with QB/T 1952.1-2012, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) The definition of "serpentine spring" has been revised (see the Introduction to Chapter 3, 8.8 of GB/T 28202-2020; Clause 3.4 of Edition 2012). Terms and definitions including those defined in GB/T 28202-2020, as well as "leather", "imitation leather", "artificial leather sofa", "leather sofa", "chair measuring device", "angel of seat surface", " angel of back" and " recycled leather" have been added (see the Introduction to Chapter 3, 3.1~3.4 and 3.9~3.12);
- b) The classification of products by covering material has been revised (see 4.1; 4.1 of Edition 2012);
- c) The requirements and corresponding test methods for angel of seat surface, angel of back, and dimensional tolerances have been added (see 5.1 Table 1, 6.1.1.6, and 6.1.1.7). The requirements for the front height of seat have been revised (see Table 1 in 5.1; Table 1 in 5.1 of Edition 2012). The test methods for major dimensions have been revised (see 6.1; 6.1 of Edition 2012);

- d) The requirements for wooden components and wood moisture content have been revised (see Table 3 in 5.2; Table 2 in 5.2 of Edition 2012). The requirements for the roundness of metal components and their corresponding test methods have been deleted (see Table 2 in 5.2 and 6.2.4 of Edition 2012). The requirements for bonded regenerated foam plastics and their corresponding test methods have been added (see Table 3 in 5.2 and 6.2.4);
- e) The requirements for fabric appearance properties have been revised (see Table 4 in 5.3; Table 3 in 5.3 of Edition 2012);
- f) The requirements and test methods for the corrosion resistance of surface coatings on metal parts have been revised (see Table 5 in 5.4.1; Table 4 in 5.4.1 and 6.4.2 of Edition 2012);
- g) The requirements and corresponding test methods have been added for the wash fastness, dry-cleaning fastness, dimensional change during washing, dimensional change during dry cleaning, pilling resistance, abrasion resistance, and pH of textile fabrics (see Table 6 in 5.4.2, 6.4.2 and 6.4.3). The requirements and test methods for leather wet rubbing fastness, artificial sweat rubbing fastness, abrasion resistance, and pH have been added (see Table 6 in 5.4.2, 6.4.2, and Upholstered furniture -- Sofa

1 Scope

This document specifies requirements regarding the main dimensions and tolerances, external symmetry, materials, workmanship, appearance, physicochemical properties, mechanical properties, and safety performance of sofas. It describes the corresponding test methods. Furthermore, it sets forth provisions concerning inspection rules, marks, instructions for use, packaging, transportation, and storage. Additionally, it provides a product classification system designed to facilitate technical specifications.

This document applies to the production, classification, inspection, and sale of sofas intended for indoor use.

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 1732, Determination of impact resistance of coating films

GB/T 3324-2017, General technical requirements for wooden furniture

GB/T 3920, Textiles -- Tests for colour fastness -- Colour fastness to rubbing

GB/T 3922, Textiles -- Testing method for colour fastness to perspiration

GB/T 4802.2-2008, Textiles -- Determination of fabric propensity to surface fuzzing and to pilling -- Part 2.Modified Martindale method

GB/T 4893.4, Test of surface coating of furniture -- Part 4.Determination of adhesion by cross-cut

GB/T 4893.7, Test of surface coatings of furniture -- Part 7.Determination of surface resistance to alternation of heat and cold

GB/T 4893.8, Test of surface coatings of furniture -- Part 8.Determination of resistance to abrasion

GB/T 4893.9, Test of surface coatings of furniture -- Part 9.Determination of resistance to impact

GB/T 38733-2020, Office furniture -- Office chairs -- Methods for the determination of dimensions

GB/T 39452, Leather -- Physical and mechanical tests -- Tests for adhesion of finish

GB/T 40904, Methods for the determination of prohibited substances in furniture products and related materials -- Azo dyes

GB/T 40908, Methods for the determination of prohibited substances in furniture products and related materials -- Flame retardants

QB/T 1646-2007, Polyurethane synthetic leather

QB/T 2385, Dark rare hardwood furniture

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

and-fro rubbing

QB/T 2724, Leather -- Chemical tests -- Determination of pH

QB/T 2726, Leather -- Physical and mechanical tests -- Determination of abrasion resistance

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 4462-2013, Upholstered furniture -- Manual operation folding sofa

ISO16000-3:2011, Indoor air -- Part 3.Determination of formaldehyde and other carbonyl compounds in indoor air and test chamber air- Active sampling method

3 Terms and definitions

For the purposes of this document, the terms and definitions defined in GB/T 28202-

3.1 leather

Raw hides with largely intact natural fiber structures are transformed through tanning into materials resistant to decay.

[Source. GB/T 38408-2019, 3.1]

3.2 imitation leather

A collective term for synthetic substitutes for animal leather, consisting of a coating and a fabric substrate.

3.12 recycled leather

Leather produced by crushing various scraps of genuine animal dermis, then blending them with cross-linked fibers, resins, and other additives for processing (3.1).

[Source. GB/T 28202-2020, 5.204]

4.1 Classified by product encapsulation material.

- a) Leather sofa;
- b) Artificial leather sofa;
- c) Fabric sofa;
- d) Fabric and leather sofa.