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QB

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

QB/T 2531-2010

**Kitchen furniture
(English Translation)**

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1 Scope

This standard specifies the terms and definitions, classification, requirements, test methods, inspection rules and markings, instructions for use, packaging, transportation, storage of kitchen furniture.

This standard applies to kitchen furniture made of wood, wood-based panels, other wood materials for cabinets. Kitchen furniture made of other materials can refer to this standard.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this standard.

GB/T 3324 General technical requirements for wooden furniture

GB/T 4893.1-2005 Furniture - Assessment of surface resistance to cold liquids

GB/T 4893.3-2005 Furniture - Assessment of surface resistance to dry heat

GB/T 4893.9-1992 Furniture - Test for surfaces - Assessment of resistance to impact

GB/T 5296.6-2004 Instructions for the use of consumables - Part 6: Furniture

GB 6566 Limits of radionuclides in building materials

GB/T 10357.1-1989 Test of mechanical properties of furniture - Strength and durability of tables

GB/T 10357.4-1989 Test of mechanical properties of furniture - Stability of storage units

GB/T 10357.5-1989 Test of mechanical properties of furniture - Strength and durability of storage units

GB/T 17657-1999 Test methods of evaluating the properties of wood-based panels and surface decorated wood-based panels

GB 18584 Indoor decorating and refurbishing materials - Limit of harmful substances of wood-based furniture

GB/T 18884.1-2002 Household kitchen - Part 1: Term

QB/T 3827 Corrosion-resistant testing method of the metal deposits and conversion coatings for the light industrial products - Acetic salt spraying test (ASS)

QB/T 3832 Evaluation of the corrosion test results of the metal deposits for the light industrial products

QB/T 3914-1999 Glossary of terms commonly used in the furniture industry

ISO 4589-2:1996 Plastics - Determination of combustion behavior by oxygen index method - Part 2: Room temperature test

3 Terms and definitions

The terms and definitions as defined in GB/T 18884.1-2002, QB/T 3914-1999 as well as the following terms and definitions apply to this standard.

3.1

Kitchen furniture

A collective name for a series of cabinets (tables) used in the kitchen for making meals and having shelf and storage functions. It is also known as a kitchen cabinet. Kitchen cabinets usually include floor cabinets, wall cabinets and other independent cabinets, such as middle cabinets, high cabinets, etc., and optional functional accessories such as rotating baskets and pull-out baskets.

3.2

Edge treatment

Refers to the sealing treatment of the cross-section (section) of the board by the use of sealing materials such as edge band, sealing glue or paint.

3.3

Fittings

The necessary components of the kitchen cabinet structure and assembly, including metal and non-metallic accessories, such as: hinges, handles,

4.1 By the location in the space

- a) Floor cabinet;
- b) Middle cabinet;
- c) High cabinets;
- d) Wall cabinet.

4.2 By structure form

- a) Split kitchen cabinet;
- b) Integral kitchen cabinet.

4.3 By countertop material

- a) Natural stone countertop kitchen cabinets;
- b) Artificial stone countertop kitchen cabinets;
- c) Wood-based panel countertop kitchen cabinets;
- d) Stainless steel countertop kitchen cabinets;
- e) Other countertop kitchen cabinets.

4.4 By use function

- a) Cooker cabinets;
- b) Operation cabinet (countertop);
- c) Sink cabinets;
- d) Pull-out baskets;
- e) Other function cabinets.

5.1 Size of kitchen cabinet

The size of the kitchen cabinet is expressed by width (W), depth (D), height (H).

The design size should be expressed in terms of the building modulus, which pipeline and joint.

6.6 The opening of the kitchen cabinet in which the equipment is placed shall reserve the required pipeline position and installation clearance; meanwhile it shall be provided with a slot and a process hole that meet the needs of the equipment installation. If an embedded gas cooker with a lower air inlet is used, it shall design the air inlet (or air duct), which can meet the requirements of the air inlet volume required for maximum firepower combustion. The center of the cooker's installation hole and the center of the range hood shall be consistent, which has a deviation of not more than 50 mm. After installation, the front edge of the cooker shall not exceed the front edge of the range hood.

6.7 The storage cabinet should adopt a closed structure, which is not easy to enter insects and dust.

6.8 For all retractable (or movable tables and cabinets) components, sliding

doors, and hinged components, if their movement by themselves may cause bodily injury, then the self-movement distance of those components from the closed position shall not exceed 200 mm. During design, it shall make full consideration and evaluation.

6.9 The drawer structure should not be designed in the cooker cabinet, to prevent it from falling off due to collision with the cooker pipeline.

7.1.1.1 Natural stone countertops

7.1.1.1.1

The surface shall be flat and smooth, without obvious cracks, scratches, stains, pits and other defects. The surface of the board is free of cracks and edge loss.

7.1.1.1.2

Chamfers shall be uniform.

7.1.1.2 Artificial stone countertops

7.1.1.2.1

The surface shall be flat and smooth, without obvious cracks, scratches, indentations, stains, pits or other defects.

7.1.1.2.2

There is no gap in the splicing of the countertop and there are no obvious signs of splicing. The chamfers shall be uniform and consistent; there shall be no missing edges or corners.

7.1.1.2.3

The countertop shall have a clear pattern, uniform color, no obvious stains, discoloration, color fading, bubbles, blisters or other defects.