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Office furniture - Wooden cabinets and shelves

办公家具 木制柜、架

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Office furniture - Wooden cabinets and shelves

1 Scope

This standard specifies the classification, requirements, test methods, inspection rules, product markings, instructions for use, packaging, transportation and storage of wooden cabinets and shelves.

This standard applies to wooden cabinets and shelf products used in offices such as libraries, archives and reading rooms.

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 1931 Method for determination of the moisture content of wood

GB/T 2828.1-2012 Sampling procedures for inspection by attributes - Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection (AQL)

GB/T 3324 Wooden furniture - General technical requirements

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

GB/T 4893.4-2013 Test of surface coatings of furniture - Part 4: Determination of adhesion - Cross cut

GB/T 4893.8-2013 Test of surface coatings of furniture - Part 8: Determination of wearability

GB/T 4893.9-2013 Test of surface coatings of furniture - Part 9: Determination of resistance to impact

GB/T 5296.6 Instructions for use of consumer goods - Part 6: Furniture

GB 7000.201 Luminaires - Part 2-1: Particular requirements - Fixed general purpose luminaires

has been moistened with water to rub each places back and forth for 3 times with appropriate force, the reciprocating distance of the rubbing is 200 mm ~ 300 mm. Observe whether the gauze is stained by the coated parts.

6.2.2 Other appearance

Under natural light or near natural light (such as 40 W fluorescent lamp) with an illuminance of 300 lx ~ 600 lx, the line of sight is 700 mm ~ 1000 mm, which is jointly tested by three people. Most of the same conclusions are used as test results.

6.3 Determination of main dimensions and dimensional deviation

Place the test piece on a panel or flat ground surface, use a steel tape measure or steel ruler with an accuracy of not more than 1 mm to make determination. The dimensional deviation is the difference between the identified value of the product dimensional deviation and the measured value.

6.4 Shape and position tolerance measurement

6.4.1 Determination of warpage

It shall use the warpage measuring instrument with an accuracy of not less than 0.1 mm. Select the panel with the most warpage, place the appliance on the diagonal of the panel to make measurement, wherein the maximum distance is used as the warpage measured value.

6.4.2 Determination of flatness

Use the flatness measuring instrument with an accuracy of not less than 0.01 mm. Select the three panels with the most unevenness, measure the distance between the length of 0 mm ~ 150 mm on the surface and the reference line, use the maximum distance as the measured value of the flatness.

6.4.3 Determination of the perpendicularity of the adjacent side

Use the steel ruler or tape measure with an accuracy of not less than 1 mm to measure the two diagonals and the length of the opposite side of the rectangular panel or frame, the difference is the measured value of the perpendicularity of the adjacent side.

6.4.4 Determination of position margin

Use a position difference measuring instrument with an accuracy of not less than 0.1 mm. It shall select the part with the maximum distance between adjacent surfaces for determination, select any surface as the measurement reference surface, place the base surface of the appliance on the measurement reference plane for measurement (measure another one or more parts along

It is determined in accordance with the provisions of 4.44 of GB/T 17657-2013, the number of test pieces is three, which should be obtained from the product.

6.5.1.4 Impact resistance determination

It is determined in accordance with the provisions of GB/T 4893.9-2013, the number of test pieces is one, which should be obtained from the product.

6.5.1.5 Determination of light fastness

The length and width of the test piece shall be determined in accordance with the shape and size of the test piece clamp of the equipment. The test shall be carried out in accordance with the provisions of 4.3 of GB/T 17657-2013. The number of test pieces shall be 1 and should be obtained from the product.

6.5.2 Determination of physical and chemical properties of surface coatings

6.5.2.1 Determination of liquid resistance of paint film

It is determined in accordance with the provisions of GB/T 4893.1-2005, respectively select one test region from the acid resistance and alkali resistance to perform test.

6.5.2.2 Determination of paint film adhesion

It is determined in accordance with the provisions of GB/T 4893.4-2013, select one test region for testing.

6.5.2.3 Determination of abrasion resistance of paint film

It is determined in accordance with the provisions of GB/T 4893.8-2013, the number of test pieces is 3, which should be obtained from the product.

6.5.2.4 Determination of paint film impact resistance

It is determined in accordance with the provisions of GB/T 4893.9-2013, the number of test pieces is one, which should be obtained from the product.

6.5.3 Determination of the surface bonding strength of the edge band

It is determined in accordance with the provisions of Table 4 of 5.5.2 of QB/T 4156-2010.

6.5.4 Metal plating layer salt spray resistance

It is determined in accordance with the provisions of QB/T 3826.

6.6 Determination of mechanical properties

disqualified products.

7.3.3.3 For the evaluation of batch products, in accordance with the sample quantity specified in Table 8, if the number of disqualified products is less than or equal to the accepted number (A_c), the batch of products shall be rated as qualified batches; if the number of disqualified products is greater than or equal to the rejected number (R_e), the batch of products shall be rated as disqualified batches.

7.4 Type inspection

7.4.1 Type inspection timing

The type inspection shall include all items except the contract requirements and customer requirements. Type inspection shall be carried out in one of the following cases:

- a) When trial production finalization is performed for the new product or the old product after trans-plant production;
- b) When the raw material, structure and their production processes undergo major changes which may significantly affect the product quality and performance;
- c) When the production is restored after production suspension for six-month or above;
- d) It is performed once a year during normal production.

7.4.2 Type inspection sampling rules

In the type inspection, randomly take 2 pieces from the same batch of products that have passed the exit-factory inspection, 1 piece is sent for inspection and 1 piece is retained.

7.4.3 Type inspection items

Type inspection items include all items specified in clause 5.

7.4.4 Type inspection procedure

The inspection procedure shall follow the principle of minimizing the impact onto the correctness of the remaining inspection items.

7.4.5 Determination of type inspection

If the basic items are all qualified, the number of the disqualified general items does not exceed 4, the product is judged to be a qualified product. The products failing to reach the requirements for qualified products are disqualified products.

7.4.6 Re-inspection of type inspection

If the product is disqualified by type inspection, the retained spare sample may be re-inspected. For disqualified items and items that have not been inspected due to damage to the test piece, the test shall be carried out in accordance with the provisions of 7.4.5, and the “reinspection” shall be indicated in the test result.

8 Product markings, instructions for use, packaging, transportation, storage

8.1 Product markings

The product markings shall include at least the following:

- a) Product name, specification and model;
- b) Product implemented standard number;
- c) The name of material used for the product and its use location;
- d) The inspection certificate and production date;
- e) The Chinese name and address of the producer;
- f) Inspection conformity markings.

8.2 Instructions for use

The instructions for the use of the product shall be prepared in accordance with the provisions of GB/T 5296.6, the content shall at least include:

- a) Product name, specification model, implemented standard number;
- b) The main dimensions of the product, the name of the material used and the location of its use;
- c) The limit value of harmful substances;
- d) The product installation and adjustment methods;
- e) Product use methods and precautions;
- f) Product failure analysis and elimination, maintenance methods.

8.3 Packaging

8.3.1 The product shall be packaged to prevent bumps, scratches and damage.

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