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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 14531-2017

Replacing GB/T 14531-2008

Office furniture - Tables, chairs and stools for reading

办公家具 阅览桌、椅、凳

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1 Scope

GB/T 14531-2017 is the Chinese national standard on office furniture - tables, chairs and stools for reading, in the field of domestic and commercial equipment, entertainment, sport. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 29 December 2017 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 July 2018. Classification: ICS 97.140, CCS Y81. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the requirements, test methods, inspection rules, instructions for use, product marking, packaging, transportation and storage of reading tables, chairs, stools. This standard applies to reading tables, chairs, stools used in libraries, archives, reading rooms and other office space.

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 1732 Determination of impact resistance of film

GB/T 1931 Method for determination of the moisture content of wood

GB/T 2099.1 Plugs and socket-outlets for household and similar purposes Part 1. General requirements

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 3920-2008 Textiles - Tests for color fastness - Color fastness to rubbing

GB/T 4689.20 Leather-Determination for adhesion of finish

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

GB/T 4893.2-2005 Furniture - Assessment of surface resistance to wet heat

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

GB/T 4893.4-2013 Test of surface coatings of furniture - Part 4. Determination of adhesion - Cross cut The types and names of decomposable aromatic amines are as shown in Appendix A.

5 Test methods

5.1 Determination of wood moisture content Use a wood moisture meter having an error of not more than $\pm 1\%$ to make determination. Select randomly three parts 100 mm above the ground surface for determination, calculate the average moisture content of the three parts, as the wood moisture content of the test piece. The arbitration test is performed in accordance with the provisions of GB/T 1931.

5.2 Determination of appearance properties

5.2.1 Discoloration of wooden part coating In the exterior and internal finishing parts of the product, make inspections at three places, respectively, use hands to hold the degreased white gauze which has been moistened with water to rub each places back and forth with appropriate force, the reciprocating distance of the rubbing is 200 mm ~ 300 mm. Observe whether the gauze is stained by the coated parts.

5.2.2 Other appearance items 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.

5.3 Determination of main dimensions and dimensional deviations Use a steel tape measure or steel ruler with a division value of not more than 1 mm to measure the product dimension required. The difference between the measured value of the product width, depth and height and the identified value is the dimensional deviation.

5.4 Shape and position tolerance measurement

5.4.1 Adjacent side perpendicularity Use the steel tape measure or a steel ruler having a division value of not less than 1 mm to measure the length of the two diagonal lines of the rectangular surface (component) of the product, the difference is the measured value of the perpendicularity of the adjacent side.

5.4.2 Warpage select one test region for each pollutant to perform test.

5.5.1.5 Soft and hard covering surface light fastness The length and width of the test piece shall be determined in accordance with the shape and dimension of the test piece clamp of the equipment. The test shall be carried out in accordance with the provisions of

4.30 of GB/T 17657-2013. The number of test pieces shall be 1, which should be obtained from the product.

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

5.5.1.7 Paint film resistance to cold and heat temperature difference It is determined in accordance with the provisions of GB/T 4893.7-2013, select one test region for testing.

5.5.1.8 Paint film abrasion resistance It is determined in accordance with the provisions of GB/T 4893.8-2013, select three test regions for testing.

5.5.1.9 Paint film dry heat resistance It is determined in accordance with the provisions of GB/T 4893.3-2005, select one test region for testing.

5.5.1.10 Paint film damp heat resistance It is determined in accordance with the provisions of GB/T 4893.2-2005, select one test region for testing.

5.5.1.11 Paint film liquid resistance It is determined in accordance with the provisions of GB/T 4893.1-2005, select one test region from the acid resistance and alkali resistance, respectively, for testing.

5.5.1.12 Paint film impact resistance It is determined in accordance with the provisions of GB/T 4893.9-2013, select one test region for testing.

5.5.2 Determination of physical and chemical properties of metal parts plating 6670-2008.

5.5.4.2 Seating surface foam plastic 75% compression set It is determined in accordance with the method as specified in GB/T 6669-2008, the test temperature is $(70 \pm 1) ^\circ\text{C}$, the thickness of the specimen is 25 mm (thin material with thickness less than 25 mm is

allowed to be combined, as shown in
6.1 of GB/T 6669-2008).

5.6 Determination of mechanical properties

5.6.1 Strength and durability The strength and durability of the table are measured in accordance with the grade 3 requirements as specified in GB/T 10357.1-2013. The strength and durability of the chair/stool are measured in accordance with the grade 3 requirements as specified in GB/T 10357.3-2013.

5.6.2 Stability The stability of the table is determined in accordance with the provisions of GB/T 10357.7-2013, the stability of the chair/stool is determined in accordance with the provisions of GB/T 10357.2-2013.

5.7.1 Reading table with fixed lamps and sockets

5.7.1.1 The lamp parts shall be determined in accordance with the provisions of GB 7000.201.

5.7.1.2 The socket parts shall be determined in accordance with the provisions of GB/T 2099.1.

5.7.1.3 Other items (see 4.7.1.1 ~ 4.7.1.3) are determined by visual inspection and hand feeling.

5.7.2 Limits of harmful substances in products The volatile organic compounds and migratory elements of the products are In one inspection cycle, randomly take 2 samples from the recently produced products, 1 sample is sent for inspection and the other is retained.

6.4.3 Type inspection items Type inspection items include all items specified in clause 4 of this standard.

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

6.4.5 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.

6.4.6 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 6.3.5, and the "reinspection" shall be indicated in the test result.

7 Product markings, instructions for use, packaging,