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CCS Y56



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

GB/T 22868-2008

Basketball

篮球

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Foreword

This standard is formulated with reference to the FIBA Basketball Competition Rules. This standard was proposed by the China Light Industry Association. This standard is under the jurisdiction of the National Leather Industry Standardization Technical Committee (SAC/TC252). This standard was drafted. Guangzhou Hailesi Ball Manufacturing Co., Ltd., National Sports General Administration Equipment and Equipment Center, China Leather and Shoemaker Industry Research Institute, Yantai Wanhua Microfiber Co., Ltd., Yusong (Kunshan) Sporting Goods Co., Ltd., High-speed Railway Testing Instruments (Dongguan) Co., Ltd. The main drafters of this standard. Korea Chun, Li Ge, Zhong Yaoqiang, Chen Jingchang. GB/T 22868-2008 basketball

1 Scope

GB/T 22868-2008 is the Chinese national standard on basketball, in the field of textile and

leather technology. 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 30 December 2008 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 September 2009. Classification: ICS 59.140.35, CCS Y56. 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 product classification, requirements, test methods, inspection rules, signs, labels, packaging, transportation and storage of basketball. This standard applies to basketball for daily use and basketball for daily activities made of various materials.

2 Normative references

The terms in the following documents become the terms of this standard by reference to this standard. All dated references, followed by all Modifications (not including errata content) or revisions do not apply to this standard, however, parties to agreements based on this standard are encouraged to study Is it possible to use the latest version of these files? For undated references, the latest edition applies to this standard.

GB/T 2828.1-2003 - Sampling procedures for sampling by sampling - Part 1 .
Batch-to-batch inspections by Retrieving Quality of Acceptance (AQL) plan

GB/T 14625.1 Basketball, football, volleyball, handball test methods - Part 1

GB/T 14625.2 Basketball, football, volleyball, handball test methods - Part 2

GB/T 14625.3 Basketball, football, volleyball, handball test methods - Part 3. Dynamic impact test method

GB/T 14625.4-2008 Basketball, football, volleyball, handball test methods - Part 4. Test conditions and sample preparation

GB/T 14625.5 Basketball, football, volleyball, handball test methods - Part 5

GB 20400 Leather and fur hazardous substances limited

GB 21550 PVC artificial leather harmful substances limited QB/T 1646-2007 polyurethane synthetic leather

3 Ball internal pressure drop rate after impact /% ≤ 6 8

12 After the impact, the appearance of the ball is free from cracks, implosion, peeling,

degumming, wire breakage and deformation. GB/T 22868-2008

5.9 Heat resistance After the heat resistance test, the appearance of the ball is free from cracking, implosion, peeling, degumming, wire breakage and deformation.

Note. This item is checked when the user has heat resistance requirements.

3.1 By surface layer material

3.1.1 Class A. Leather ball.

3.1.2 Class B. artificial leather, synthetic leather, recycled leather ball.

3.1.3 Class C. Rubber ball.

3.2 By purpose

3.2.1 Basketball for competition (level 1).

3.2.2 Basketball for competition (secondary).

3.2.3 Basketball for daily activities.

3.3 According to the circumference of the use of the crowd and the ball

3.3.1 Men's Adult Basketball (No. 7), Women's Adult Basketball (No. 6).

3.3.2 Junior Basketball (No. 5).

3.3.3 Children's Basketball (No. 3).

4.1 Balance, accuracy 1g.

4.2 Metal or fiber tape, steel ruler, minimum scale 0.5mm.

4.3 Vernier caliper with an accuracy of 0.01mm.

4.4 Barometer, the range is 0 ~ 0.16MPa, the accuracy is 1.5, the minimum scale is 0.0025MPa. GB/T 22868-2008

5.1 Raw materials According to the relevant product standards, the limit value of hazardous materials for leather and recycled leather surface materials shall comply with the provisions of GB 20400 and Table 1. The limit of harmful substances of PVC artificial leather surface materials shall comply with the provisions of GB 21550 and Table 2, with single-component fibers and island-shaped braids. The polyurethane synthetic leather produced by the wet and dry composite of the fiber and the ultrafine fiber based nonwoven fabric and the polyurethane shall comply with the provisions of Table 3. Table

1 Limits of harmful substances in leather and recycled leather Project limit value
Decomposable harmful aromatic amine dye/(mg/kg) ≤

30 Free formaldehyde/(mg/kg) $\leq$ 75

Note. See GB 20400 for the name of the banned aromatic amine. If the content of 4-aminobiphenyl and/or 2-naphthylamine exceeds 30 mg/kg and there is no other evidence, Existing scientific knowledge is not yet determined to use banned azo dyes. Table

2 Limits of hazardous substances in PVC artificial leather Project limit value Vinyl chloride monomer/(mg/kg) $\leq$

4 Appearance quality Category appearance quality Competition basketball (level 1)

a) The leather leather is firm, full and soft, the skin is fine, the texture is close, the surface is free of cracks, and the area of each ball is allowed. 2 minor defects of $\leq 6\text{mm}^2$;

b) The artificial leather, synthetic leather and recycled leather have clear surface pattern and uniform depth, and no defects such as impurities, pinholes, bubbles and delamination are allowed;

c) rubber spheres are not allowed to have impurities or creases, allowing cumulative spherical defects $\leq 3\text{cm}^2$;

d) the width of the spherical joint or groove. leather ball $\leq 6.35\text{mm}$, other balls $\leq 7.50\text{mm}$;

e) The rubber stem is straight, no sulfur and sulfur is excessive; the ball is flat and the stem is $\leq 1\text{mm}$;

f) The pattern and font are clear and correct. Competition basketball (secondary)

a) The leather is solid, the skin is slightly loose, the texture is close, and the surface is free of cracks. Each ball can be allowed to have a slight area of $\leq 10\text{mm}^2$. 3 defects;

b) Artificial leather, synthetic leather and recycled leather have clear surface pattern and uniform depth, and no impurities, pinholes, bubbles, delamination, etc. are allowed. Sinking, allowing for slight creases, allowing for 3 minor defects with an area of $\leq 5\text{mm}^2$;

c) No bubbles or impurities are allowed on the rubber spherical surface; slight creases are allowed, and the cumulative spherical defect is allowed to be $\leq 5\text{cm}^2$;

d) The ball is flattened, the width of the spherical joint or groove. leather ball $\leq 6.35\text{mm}$, other balls $\leq 7.50\text{mm}$;

e) The rubber stem is straight, allowing for 2 defects with a depth not exceeding 30% of the leather and $\leq 3\text{mm}$;

f) The pattern and font are clear and correct. Daily activities with basketball

a) The leather leather is soft and the skin is thicker, allowing slight defects that do not affect the use;