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

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**Wooden bath bucket
(English Translation)**

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Foreword

This document is in accordance with GB/T 1.1-2020 "Guidelines for Standardization Part 1: Structure and Drafting Rules of Standardization Documents" to be drafted.

1 Scope

This document specifies the terms and definitions, product classification, technical requirements, inspection methods, inspection rules, packaging, marking, and Transportation and storage.

This document applies to the wooden bath barrel defined in 3.1.

2 Normative references

The contents of the following documents constitute indispensable clauses of this document through normative references in the text. Among them, dated reference documents, Only the dated version is applicable to this document; for undated references, the latest version (including all amendments) is applicable to this document file.

GB/T 1931-2009 Method for determination of wood moisture content GB/T 2828.1-2012 Sampling inspection procedure by attributes Part 1: Batch inspection sampling plan retrieved by acceptance quality limit (AQL) GB/T 4893.2-2005 Determination of resistance to heat and humidity on furniture surfaces GB 31604.2-2016 National Food Safety Standard Determination of Potassium Permanganate Consumption of Food Contact Materials and Products GB 31604.9-2016 National Food Safety Standard Determination of Heavy Metals in Food Contact Materials and Products Food Simulants

3 Terms and definitions

The following terms and definitions apply to this document.

Wooden bath bucket

A container made of solid wood as the main raw material for bathing or foot bathing.

4 Product Classification

4.1

Classified by purpose.

- a) Wooden tub for bathing;
- b) Wooden tubs for foot baths.

4.2

According to whether to use glue for splicing.

- a) Glue and wooden bath tub;
- b) Wooden bath tub without glue.

4.3

According to surface finish.

- a) Painted wooden bath tub;
- b) Unpainted wooden bathtub.

4.4

According to the presence or absence of lid.

- a) Uncovered wooden bath tub;
- b) Wooden bathtub with lid.

5.1 Appearance quality

The appearance quality should meet the requirements of Table 1.

5.2.1 Specifications and dimensions

The conventional dimensions are shown in Table 2.

5.2.2 Dimensional deviation

The dimensional deviation should meet the requirements of Table 3.

5.3 Physical and chemical performance requirements

The physical and chemical performance requirements should meet the requirements of Table 4.

Note: 1.Surface damp and heat resistance, potassium permanganate consumption and soluble heavy metals are only for painted wooden bath tubs;

2.After the agreement between the supplier and the buyer, the consumption of potassium permanganate and the soluble heavy metals can be requested.

6.1 Appearance quality

Use the method of visual inspection and feel.

6.2 Dimensions

The diameter, height, and length are measured with a measuring tape with an accuracy of 1mm, and the thickness is measured with a vernier caliper with an accuracy of 0.1mm.

Measure 10mm from the edge of the lower mouth of the bathtub, and the diameter, height and length/width are subject to the contour of the upper mouth of the main body, as shown in Figure 1 and Figure 2.

Figure 1 Measurement method of oblong bath tub size

Figure 2 Measurement method of round wooden bath tub size

6.3.1 Preparation of test pieces

The sample should meet the size and quantity requirements of the sawn test piece, and make the test piece according to the actual size, while ensuring that the test piece is relatively evenly divided in the sample the size and quantity of cloth and test pieces shall conform to Table 5.

6.3.2 Moisture content

According to the provisions of GB/T 1931-2009.

6.3.3 Leakage

At room temperature, add water with a temperature of $(40\pm 2)^{\circ}\text{C}$ into the wooden bath barrel, as deep as 2/3 of the height of the barrel, stand for 8h, and wipe with filter paper every 1h. Check the outer wall of the barrel and the outer wall of the barrel bottom for water leakage.

6.3.4 Surface damp and heat resistance

Carry out according to GB/T 4893.2-2005, the test temperature is 70°C .

6.3.4 Consumption of potassium permanganate

Carry out according to GB 31604.2-2016, the test temperature is 60°C , and the migration time is 2h.

6.3.5 Soluble heavy metals (as lead)

Carry out according to GB 31604.9-2016, adopt acetic acid aqueous solution (volume fraction 4%), migration temperature 60°C , migration time 2h.

7.1.1 Factory inspection

The factory inspection items include.

- a) Appearance quality;
- b) Specifications and dimensions;
- c) The moisture content, surface moisture and heat resistance and leakage in the physical and chemical properties.

7.1.2 Type inspection

Type inspection includes all items in appearance quality, specifications, dimensions and deviations, and physical and chemical properties. During normal production, the annual inspection shall not be less than once. Type inspection should be carried out in one of the following situations.

- a) When there are major changes in raw and auxiliary materials and production processes;
- b) When production has been stopped for more than 6 months and production is resumed;
- c) When a new production line is put into production;