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

JY/T 0443-2011

**Glass round glass sink for teaching
(English Translation)**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

Please note that some elements of this standard may involve patents. The issuer of this standard should not be held responsible for identifying these patents.

This standard was proposed by the National Technical Committee for Standardization of Teaching Instruments (SAC/TC125).

This standard is under the jurisdiction of the National Technical Committee for Standardization of Teaching Instruments (SAC/TC125).

This standard was drafted. Sichuan Longchang Glass Instrument Factory, Zhejiang Educational Technology Center, Sichuan Ziyang Glass Instrument Factory, Sichuan Scientific industry teaching equipment limited liability company.

1 Scope

This standard specifies the classification and naming of glass round water tanks, technical requirements, test methods, inspection rules, packaging, transportation, and storage.

This standard applies to glass round sinks for teaching.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this document.

For undated references, the latest version (including all amendments) applies to this document.

GB 191-2008 packaging storage and transportation pictogram GB/T 2828.1-2003 Counting sampling acceptance procedure Part 1. Sampling plan for batch inspection for retrieval by acceptance quality limit (AQL) JY 0001-2003 General quality requirements for teaching instruments and equipment products JY 0002 Inspection rules for teaching instruments and equipment products JY 0026-1991 teaching instrument and teaching equipment product model naming method JY/T 0423-2011 General quality requirements and test methods of teaching glass instruments

3.1 Product Classification

According to the outer diameter of the glass round water tank, it is divided into seven specifications. 120mm, 150mm, 180mm, 210mm, 240mm, 270mm, and 300mm.

The shape is divided into an edged sink and an edgeless sink.

3.2 Model Nomenclature

The model name of the product is in accordance with JY 0026-1991.

The glass round sink is named.

L - YSC - Y/W - 120

Product specifications (outer diameter), unit. mm Product Feature Code, Edged/Boundless Product name Pinyin prefix, round sink Product model classification code, glass instrument

Model example.

L-YSC-Y-240. A round glass sink with an outer diameter of 240mm.

4.1 Materials

It should be made of transparent soda-lime glass without yellow-green.

4.2 Dimensions

The overall dimensions and tolerances of the glass round sinks of various specifications should conform to Table 1. The dimensions of the round sinks with edges are shown in Figure 1.

Refer to Figure 2.

Table 1 Dimensions and tolerances in millimeters

Part

name

Code

Specifications, dimensions and tolerances	120	150	180	210	240	270	300	Outer diameter D					
120 ± 5	150 ± 5	185 ± 5	210 ± 5	240 ± 5	270 ± 10	300 ± 15	H 80 ± 5	90 ± 5	100 ± 5	110 ± 5	125 ± 5	140 ± 12	140 ± 15
		Wall thickness S		≥ 2	≥ 2	≥ 2.5	≥ 3	≥ 3	≥ 3	≥ 3.5	Along the diameter D		
140 ± 5	170 ± 5	204 ± 5	238 ± 10	280 ± 10	315 ± 10	350 ± 15							

Figure 1 Edged round sink

Figure 2 Infinity round water

4.3 Appearance

4.3.1

The appearance defects allowed are to comply with Table 2.

Table 2 Permitted appearance defects

defect

	120	150	180	210	240	270	300	350	400	mm	mm	mm	mm	mm	mm	mm	mm	Bubble
10	≤ 2	12	2	12	2	14	2	14	2	14	2	14	2	14	2	14	2	Stone
2	≤ 2	2	2	2	2	2	2	2.5	2	2.5	2	2.5	2	2.5	2	2.5	2	Nodule
3	≤ 3	3	3	3	3	3.5	4	3.5	4	3.5	4	3.5	4	3.5	4	3.5	4	Allowable total number
of bubbles, stones, nodules total	≤ 5 bubbles, stones, nodules total ≤ 6																	
Iron filings	1.5	≤ 2	1.5	2	1.5	2	1.5	2	1.5	2	1.5	2	1.5	2	1.5	2	1.5	2
Scissor prints	allow slight,																	
non-stabbing scissors prints	the crease allows one crease no longer than 5cm in length																	
4	single stripes, not concentrated																	

4.3.2

The appearance defects that should not exist shall be in accordance with JY/T 0423-2011 Section 5.1.1.

4.3.3

The bottom should be flat and not convex.

4.3.4

The end of the mouth should be flat, and the sides and mouth should be smooth.

4.3.5

Wall taper is allowed.

4.3.6

The wall thickness and bottom thickness shall be uniform, and shall comply with 4.1.1.2 of JY/T 0423-2011.

4.4 Chemical stability

It should meet the water resistance HGB level 1, acid resistance H1 level, and alkali resistance A2 level.

4.5 Internal stress

The internal stress should not be greater than 160nm/cm.

4.6 Environmental test

The environmental test shall be in accordance with Chapter 8 of JY/T 0423-2011.

5 Test method

5.1

Dimensions are measured with a vernier caliper with a division value of 0.02mm and a steel ruler with a division value of 0.5mm, which shall meet the requirements of 4.2 of this standard.

begging. The length of the appearance defect shall be tested with a reading microscope and shall meet the corresponding requirements of this standard.

5.2

Wall thickness and uniformity shall be tested in accordance with JY/T 0423-2011 Section 4.1.2 and shall comply with 4.2 and 4.3.6 of this standard.