

Translated English of Chinese Standard: GB/T35598-2017

www.ChineseStandard.net → Buy True-PDF → Auto-delivery.

Sales@ChineseStandard.net

GB

NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

ICS 81.040.01

N 64

GB/T 35598-2017

Heat resistant glass wares by pressing

硼硅酸盐玻璃压制耐热器具

Issued on: December 29, 2017

Implemented on: July 01, 2018

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of PRC;**

Standardization Administration of PRC.

Table of Contents

Foreword.....	3
1 Scope	4
2 Normative references.....	4
3 Technical requirements	5
4 Test methods.....	7
5 Inspection rules	8
6 Marking, packaging, transportation, storage.....	10

Heat resistant glass wares by pressing

1 Scope

This standard specifies the technical requirements, test methods, inspection rules, marking, packaging, transportation, storage of borosilicate glass pressed heat-resistant appliances.

This standard applies to mechanically and manually pressed borosilicate glass pressed heat-resistant appliances (hereinafter referred to as pressed heat-resistant appliances).

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 edition (including all amendments) applies to this document.

GB/T 191 Packaging - Pictorial marking for handling of goods

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

GB/T 6543 Single and double corrugated boxes for transport packages

GB/T 6579 Laboratory glassware - Thermal shock and thermal shock endurance - Test methods

GB/T 6580 Glass - Resistance to attack by a boiling aqueous solution of mixed alkali - Method of test and classification

GB/T 6581 Glass - Resistance to attack by hydrochloric acid at 100 °C - Flame emission or flame atomic absorption spectrometric method

GB/T 6582 Glass - Hydrolytic resistance of glass grains at 98 °C - Method of test and classification

GB/T 15726 Glassware - Stress examination methods

GB/T 15728 Glass - Resistance to attack by a boiling hydrochloric acid gravimetric method of test and classification

GB/T 16920 Glass - Determination of coefficient of mean linear thermal expansion

3.4.5 Scratches and abrasions

3.4.5.1 There shall be no scratches.

3.4.5.2 The length of scratches shall not exceed the specifications in Table 4.

4 Test methods

4.1 Physical-chemical properties

4.1.1 Linear thermal expansion coefficient

It is carried out, according to the test method, which is specified in GB/T 16920 or GB/T 28194.

4.1.2 Water resistance

It is carried out, according to the test method, which is specified in GB/T 6582.

4.1.3 Alkali resistance

It is carried out, according to the test method, which is specified in GB/T 6580.

4.1.4 Acid resistance

It is carried out, according to the test method, which is specified in GB/T 6581 or GB/T 15728.

4.1.5 Dissolution of lead, cadmium, arsenic, antimony

The dissolution of lead and cadmium shall be carried out, according to the test method, which is specified in GB/T 21170. The dissolution of arsenic and antimony shall be carried out, according to the test method, which is specified in GB/T 35595.

4.1.6 Thermal shock temperature

It is carried out, according to the test method, which is specified in GB/T 6579.

4.1.7 Internal stress

It is carried out, according to the test method, which is specified in GB/T 15726.

form a batch.

5.2.3 Inspection implementation and inspection results

Inspection items, inspection levels, acceptance quality limits shall comply with Table 6.

Sampling inspection shall be carried out by the manufacturer, according to the exit-factory inspection items in Table 5. The batch of products, that have passed the inspection AND been accompanied with a certificate, can leave the factory.

5.3 Type inspection

5.3.1 Sampling plan

It shall adopt the normal inspection one-time sampling plan of GB/T 2828.1. The inspection level and acceptance quality limit (AQL) are as shown in Table 6.

5.3.2 Inspection implementation and inspection results

Inspection items, inspection levels, acceptance quality limits shall comply with the provisions in Table 6.

Sampling inspection shall be carried out by the manufacturer, according to the type inspection items in Table 5. If the type inspection is qualified, it means that the batch of products, that pass the exit-factory inspection, can be delivered to the user in whole batch. If the type inspection fails, it shall stop production, analyze the causes, take effective measures, until the type inspection is qualified, before restoring the production. The products, which are produced in the period of unqualified type inspection, shall not leave the factory; the products, that have already left the factory, shall be recalled.

5.3.3 Type inspection requirements

Type inspection shall be carried out, in one of the following situations:

- a) Trial type identification of new products or old products after trans-plant production;
- b) After formal production, if there are major changes in structure, material, process, which may affect the performance of the product;
- c) During normal production, type inspection shall be carried out at least once a year;
- d) When there is a big difference between the exit-factory inspection results and the last type inspection;
- e) When the national quality supervision agency requests type inspection.

This is an excerpt of the PDF (Some pages are marked off intentionally)

Full-copy PDF can be purchased from 1 of 2 websites:

1. <https://www.ChineseStandard.us>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Select your country (currency), for example: USA (USD); Germany (Euro).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Tax invoice can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with download links).

2. <https://www.ChineseStandard.net>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Add to cart. Only accept USD (other currencies - <https://www.ChineseStandard.us>).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with PDFs attached, invoice and download links).

Translated by: Field Test Asia Pte. Ltd. (Incorporated & taxed in Singapore. Tax ID: 201302277C)

About Us (Goodwill, Policies, Fair Trading...): <https://www.chinesestandard.net/AboutUs.aspx>

Contact: Wayne Zheng, Sales@ChineseStandard.net

Linkin: <https://www.linkedin.com/in/waynezhengwenrui/>

----- The End -----