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CCS Y22



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

GB/T 11416-2021

Replacing GB/T 11416-2002

Domestic insulated containers

日用保温容器

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Standardization Administration of China**

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Foreword

This document is in accordance with the provisions of GB/T 1:1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules of Standardization Documents" drafted: This document replaces GB/T 11416-2002 "Insulation Containers for Daily Use": This document is compared with GB/T 11416-2002, except for editorial amendments The main technical changes are as follows:

- Added "Terms and Definitions" (see Chapter 3);
- Added the provision that asbestos fillers should not be used (see 4:1, A2 of the:2002 edition);
- Revised the schematic diagram of the main types of products and the names of components (see 4:2, 3:2 of the:2002 edition);
- Modified the thermal insulation performance index of the small-mouth thermal insulation container, and changed the thermal insulation performance test time of the small-mouth thermal insulation container (see 5:2:1,;2002): Year edition A4:2:1:1);
- Improved the description of products whose thermal insulation performance index can be reduced by 6 °C (see 5:2:1, 4:2:1:1 of the:2002 edition);
- Increase the thickness requirements of plastic material shells (see 5:4:3, B1:2 of the:2002 edition);
- Increase the strength requirements and test methods of the sling (see 5:5, 6:5:8, 4:2:4 of the:2002 edition);
- Modified the adhesion requirements of the surface decoration layer (see 5:5, 4:2:4 of the:2002 edition);
- Added the requirements and test methods for "screw fixed port plug fit" (see 5:5, 6:5:13);
- Modified the description of the capacity tolerance and dumping test method (see 6:4:1, 6:5:6, 5:7, 5:8 of the:2002 edition);
- Added the test requirements for the handle connection strength of a fixed single-handle

thermal insulation container, and added a schematic diagram (see 6:5:7, 2002 5:9 of the year edition);

--- Modified the factory inspection (see 7:1, 6:2:3 of the 2002 edition);

--- Modified the tolerance requirements for the caliber and length of different volumetric flasks, and increased the lower limit of the quality of flasks with different specifications (see appendix A:1, A:2 of Record A, A4:1:2 of the 2002 edition);

1 Scope

GB/T 11416-2021 is the Chinese national standard on domestic insulated containers, in the field of glass and ceramics industries. 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 31 December 2021 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2022.

Classification: ICS 81.040.30, CCS Y22. 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 document specifies the terms and definitions, classifications and names of main parts, requirements, test methods, inspection rules and standards for daily thermal insulation containers registration, packaging, transportation and storage: This document is applicable to the double-layer glass vacuum bottle liner (hereinafter referred to as the bottle liner) with the coating on the vacuum surface for storing drinking water and other food and the outer shell: Daily thermal insulation containers assembled from shells, etc:

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, dated citations documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document: GB/T 2828:

1 Counting Sampling Inspection Procedure Part 1: Lot-by-Lot Inspection Sampling Plan Retrieved by Acceptance Quality Limit (AQL)

GB/T 6543 Single corrugated carton and double corrugated carton for transport packaging

GB/T 6582 Glass Glass Particles Test Method and Classification for Water Resistance at 98°C QB/T 2422 BOPP pressure-sensitive adhesive tape for box sealing QB/T 3724 Test method for pressure resistance of thermos flasks QB/T 3726 Test method for thermal insulation performance of thermos bottle bladder QB/T 3727 Thermal Shock Test Method

for Thermos Bottle Bile QB/T 3826 Test method for corrosion resistance of metal coatings and chemically treated layers of light industrial products Neutral salt spray test (NSS) method QB/T 3832 Evaluation of Corrosion Test Results for Metal Coatings of Light Industrial Products

3 Terms and Definitions

The following terms and definitions apply to this document: 3:1 water outlet effluent device The seat type air pressure water outlet type thermal insulation container has the function of extracting the liquid in the container to the outside of the container without taking out the thermal insulation container: part: 3:2 inner calibre The minimum inner diameter of the mouth of the inner bladder of the thermal insulation container: 3:3 gag stopper Container mouth stopper made of soft material: 3:

4 Thermo-efficiency The ability of the bladder to maintain the temperature of the content medium under specified test conditions: