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**PROFESSIONAL STANDARD OF THE PEOPLE'S
REPUBLIC OF CHINA
中华人民共和国轻工行业标准**

QB/T 2332-1997

**Stainless steel vacuum insulation vessel
不锈钢真空保温容器**

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Foreword

This standard is not equivalent to the Japanese Industrial Standard JIS S 2053-1994 *stainless steel insulation bottle*.

In addition to the portable stainless steel insulation vessel, this standard increases desktop insulation vessel, insulation vessel with big mouth and insulation cup.

The insulation vessel of which the volume is lower than 0.4L with small mouth, the insulation vessel with big mouth and insulation cup are mainly used to store drinks and food, which will not save for a long time under normal using circumstances, so the measuring temperature of insulation vessel of which the volume is lower than 0.4L with small mouth is 12h, the measuring temperature of insulation vessel with big mouth and insulation cup is 6h.

The portable insulation vessel must do tightness test.

This standard specifies the strap insulation vessel does swing impact test, the others do fall impact test.

Taking the using characteristics of the products into account, the standard has strict rules on the hygiene requirements of material for plastics parts and stainless steel liner. The thickness of the material is not specified.

The strap color fastness test of the standard adopts the requirements of GB 3922-1983 *the textile's color fastness to perspiration test method*.

Taking the characteristics of small volume, big weight of the stainless steel insulation vessels into account, the stacking height must not exceed 3.0m.

Sealing performance test methods, impact resistance test methods, fitness test of the cork installation, mounting strength test of the strap and handle, smell of the water in capacity, cork and the container and coating adhesion test specified in this standard, adopts relevant provisions of the *stainless steel insulation bottle* of JIS S 2053- 1994.

The standard is proposed by the China Light Industry Association's Quality Standard Department.

This standard is centralized by the National Daily Glass Enamel Standardization Center.

This Standard is drafted by: China Light Industry Association's Glass Enamel Institute, Shanghai Insulation Vessel Company, Hubei Jingjiang Ltd., Hebei Kaiyuan Industrial Co.,

Ltd., Guangzhou Insulation Vessel Industrial Company.

The main drafter of this Standard: Zhang Guoxiu, Pan Fengfang, Sun Zhongrong, Cui Renquan, Chen Yumei.

This standard is firstly issued on December 4, 1997.

Stainless steel vacuum insulation vessel

1 Scope

The standard stipulates product classification, technical requirements, test method, acceptance rules and mark, packing, transportation and storage of the stainless steel vacuum insulation vessel.

This standard applies to the stainless steel vacuum insulation vessel used to store hot and cold drinks and food for daily use (hereinafter referred to as "insulation vessel")

2 Normative references

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB 2828-1987 Sampling procedures and tables for lot-by-lot inspection by attributes
(Apply to inspection of successive lots or batches)

GB 3280-92 Cold rolled stainless steel sheets and plates

GB/T 3922-1995 Textiles--Testing method for colour fastness to perspiration

GB 4239-91 Cold rolled stainless steel and heat-resisting steel strips

GB 4807-84 Hygienic standard for rubber sealing washer for food container

GB/T 5009.60-1996 Method for analysis of hygienic standard of products of polyethylene polystyrene and polypropylene for food packaging

GB/T 5009.64-1996 Method for analysis of hygienic standard of rubber sheet (ring) for food use

GB 5430-85 Inner containers of the vacuum flask--Heat loss--Test method

GB 6388-86 Transport package shipping mark



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