

ICS 83.140.01
CCS Y28



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

GB 38995-2020

Infant feeding bottles and teats

婴幼儿用奶瓶和奶嘴

Issued on: October 21, 2020

Implemented on: November 1, 2021

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

Table of Contents

1	Scope
2	Normative references
3	Terms and definitions
4	Technical requirements
4.1	General requirements
4.1.1	Components
4.1.1.4	Numbered graduations and volume deviation
4.1.1.5	Small parts All detachable and separable parts, parts that fall off after
4.1.2	System performance
4.2	Additional requirements
5	Test methods
5.1	Sample preparation
5.2	General requirements test method
5.2.1	Components
5.2.2	Test method for system performance
5.3	Test method for additional requirements...
5.3.2	Glass feeding bottle container
6	Inspection rules
6.1	Classification of inspection...
6.2	Exit-factory inspection
6.3	Type inspection
6.3.4	Rules for determination
7	Marks, transport and storage
7.1	Marks
7.1.5	Safety warnings
7.2	Transport and storage...

Foreword

This Standard was drafted in accordance with the rules given in GB/T 1.1-2009. Attention is drawn to the possibility that some of the elements of this Standard may be the subject of patent rights. The issuing authority shall not be held responsible for identifying any or all such patent rights. This Standard was proposed by and shall be under the jurisdiction of

Ministry of Industry and Information Technology of the People's Republic of China. Infant feeding bottles and teats

1 Scope

GB 38995-2020 is the Chinese national standard on infant feeding bottles and teats, in the field of rubber and plastic industries. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 21 October 2020 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 November 2021. Classification: ICS 83.140.01, CCS Y28. 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 Standard specifies technical requirements, test methods, inspection rules, marks, transport and storage for infant feeding bottles and teats. This Standard is applicable to infant feeding bottles (container, teat and matched accessory) that are made of one or more of plastic, glass, metal, ceramic, silicone rubber, rubber. This Standard is not applicable to medical bottles and teats. It is not applicable to pacifiers.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 131-2006, Geometrical Product Specifications (GPS) - Indication of surface texture in technical Product documentation

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

GB/T 2918, Plastics - Standard atmospheres for conditioning and testing

GB/T 4545, Test methods for stress examination of glass containers

GB/T 4547, Glass containers - Test methods of the thermal shock resistance and thermal shock endurance

GB/T 6552, Glass containers - Test method for impact resistance

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

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1 feeding bottle an appliance that is composed of container, teat and matched accessory, for infants to suck milk and other fluid foods

3.2 container a container with numbered graduations and metering function for feeding liquid food to infants through a teat

3.3 teat, nipple a part that is installed on the container and used to replace the mother's nipple for the baby to suck for food

3.4.4 sealing disc a sealing part that is used between the container and the locking ring

3.4.9 gravity ball a part that is connected to the end of the tube and acts as a gravity guide

3.4.10 matched components when feeding infants, other parts that are used in conjunction with container, teat, drinking accessory, protective cover, locking ring, sealing disc, filtering gauze, handle, tube disc, tube and gravity ball

4.1.1 Components

4.1.1.1 Appearance It shall be clean, neat, without foreign objects. There shall be no gaps, holes, or deformations that affect the use (except for design requirements).

4.1.1.5 Small parts All detachable and separable parts, parts that fall off after

5.2.2.7 test, when tested according to 5.2.1.5, shall not be completely contained in the tester for small parts. This requirement does not apply to through-hole needles and gravity balls, but safety warnings shall be set (see 7.1.5).

4.1.1.6 Sealing disc The diameter of the sealing disc shall be greater than or equal to 35mm.

4.1.1.7 Acupuncture and pull resistance When the teat or drinking accessory is subjected to acupuncture test according to 5.2.1.7.1, it shall not be pierced. If it is pierced, the teat or drinking accessory shall be subjected to the tensile resistance test in 5.2.1.7.2. When tested according to 5.2.1.7.2, the teat or drinking accessory shall not be broken or separated.

4.1.2 System performance

4.1.2.1 Fitting of feeding bottle components When tested according to 5.2.2.1, the components of the feeding bottle shall be in good fit.

4.1.2.6 Teat or drinking accessory 4.1.2.6.1 Conforming requirements for test template When tested according to 5.2.2.6.1, the components of the feeding bottle (including teat or drinking accessory) shall not protrude from the bottom of the test template A / template B.

4.2 Additional requirements

4.2.1 Resistance to compressive deformation of plastic feeding bottle container When tested according to 5.3.1, the diameter change rate of the plastic feeding bottle container along the compression direction shall be less than or equal to 10%.

5.1 Sample preparation

5.1.1 Boiling water treatment of reusable products or components Before all tests, the sample shall be completely immersed in water and heated to boiling.

5.1.2 Disposable products or components Perform the sample state conditioning according to 5.1.3.

5.1.3 State conditioning According to the standard environment specified by GB/T 2918, in the environment of which the temperature is $(23\pm 2)^{\circ}\text{C}$ and the relative humidity is $(50\pm 5)\%$, the time for state conditioning is not less than 40h.

5.1.4 Requirements for test water Except for the specific provisions in the method, the test water in this Standard shall meet the requirements for grade three water in GB/T 6682.

5.2.1 Components

5.2.1.5 Small parts Without external pressure, in any direction, place the sample into the tester for small parts as shown in Figure

3. Determine whether the sample can be completely contained in the tester for small parts.

5.2.2 Test method for system performance

5.2.2.1 Fitting of components of feeding bottle Assemble samples according to the instructions for use. Check if it can be assembled correctly.

5.3.2 Glass feeding bottle container

5.3.2.2 Resistance to water Test according to the method specified in GB/T 6582.

5.3.2.3 Internal stress Test according to the method specified in GB/T 4545.

5.3.2.4 Mechanical shock strength Test according to the method specified in GB/T 6552.

6 Inspection rules

6.1 Classification of inspection The product inspection is divided into exit-factory inspection and type inspection.

6.2 Exit-factory inspection