

ICS 97.200.50



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

GB 28482-2012

Safety requirements of soothers for babies and young children

婴幼儿安抚奶嘴安全要求

(English Translation)

Issued on: June 29, 2012

Implemented on: May 1, 2013

Issued by: SAMR; SAC

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1 Scope

This standard specifies the terms and definitions, safety requirements, test methods, packaging methods and product information of soothers for babies and young children.

This standard applies to the products that resemble OR function as a soother for babies and young children unless they are being marketed as medical devices.

This standard does not apply to products designed for specialist medical applications, e.g., those relating to Pierre-Robin Syndrome or premature babies. These special cases are described in the informative Appendix A. This standard does not apply to feeding teats.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this Standard.

GB/T 131 Geometrical product specification (GPS) - Indication of surface texture in technical product documentation

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 2918 Plastics - Standard atmospheres for conditioning and testing

GB/T 3512 Rubber, vulcanized or thermoplastics - Accelerated ageing and heat resistance test

GB/T 6682 Water for analytical laboratory use - Specification and test methods

GB/T 22048 Toys and children products - Determination of phthalate plasticizers in polyvinyl chloride plastic

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Soother

Article intended for satisfying the non-nutritive sucking need of children.

Note: Soother is also known as pacifiers or babies' dummies.

3.2 Teat

Flexible nipple which is the part of the soother designed to be placed in the mouth.

3.3 Shield

Structure positioned at the rear of the teat to reduce the likelihood of the soother being drawn entirely into the child's mouth.

3.4 Ring or knob

Structure positioned adjacent to OR on the shield to facilitate handling of the soother.

Note: The ring, knob or cover can be integral with the shield or plug or it can be a separate component that is attached to the shield or plug.

3.5 Plug

Device located within the neck of the teat that secures the teat to the shield.

3.6 Cover

Device that prevents open access to the plug.

4 Description of a soother

The structure of soother for infant and young children may contain teat, shield, ring, plug, cover, and knob, etc., as shown in Figure 1 to Figure 4.

5.1 Materials

For manufacturing of the different soother parts, only such materials shall be used which comply with the requirements set forth in this standard.

5.2.1 General requirements

The soother shall be free from any sharp projecting points or edges. The surface of the sucking part shall be smooth. The soother shall have no removable parts.

5.2.2 Teat

The effective penetration of the teat shall be a maximum of 35 mm. It shall be checked using for example the test penetration gauge as shown in Figure 5.

5.2.3.1 General requirements

The soother shall incorporate a shield. The shield shall be tested as described in 5.2.3.2 AND shall not pull through the template with the shield in any orientation, about the major axis of the soother, relative to the template.

5.2.3.2 Shield test

USE a PTFE template, the shape and dimensions of which are as given in Figure 11 and which is supported such that it remains firm and horizontal throughout the test.

5.2.5.1 General requirements

A plug shall not project more than 3 mm beyond the sucking face of the shield (SEE Figure 15).

5.2.5.2 Flexible knobs, plugs and/or covers

If made of flexible material, the effective penetration of the knob, plug and/or cover shall not be less than 10 mm and not more than 35 mm.

5.2.6 Openings (finger traps)

To avoid the entrapment of fingers in any part of a soother, the width of any opening shall not allow the penetration of a 5.5 mm diameter rod, unless the depth of penetration is less than 10 mm, the opening allows the unhindered passage of a 14 mm diameter rod.