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

GB/T 44673-2024

**Juvenile products - General requirements for buoyant device on
water**

婴童用品 水上辅助浮力器具通用技术要求

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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 for standardization documents" Drafting. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document was

proposed and coordinated by the National Working Group on Standardization of Infant and Child Products (SAC/SWG18). This document was drafted by: Guangdong Provincial Institute of Standardization, Shenzhen Intertek Quality Technology Services Co., Ltd., Dimai (Shanghai) Enterprise Management Co., Ltd., Shantou Quality Metrology Supervision and Inspection Institute of Guangdong Province, SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch, Shanghai Baishile Sports Technology Co., Ltd., Guangzhou Jiekong Machinery Co., Ltd., Zhejiang Mambo Yuman Baby Products Co., Ltd., Centre Testing & Certification Group Co., Ltd. Co., Ltd., Guangzhou Customs Technology Center, Shenzhen University of Technology, Kaiping Duoyuan Plastic Products Co., Ltd., Guangdong Maternity and Baby Products and Services Association Association, Zhejiang Toy and Maternity and Baby Products Association. The main drafters of this document are: Chen Xuezhong, Zhu Shuangxi, Lin Shubao, Wang Bo, Wang Wei, Yao Yingxuan, Huang Yongqiang, Huang Huihui, Deng Xueshan, Zhou Weixin, Wang Zhiguo, Du Fengjuan, Huang Lina, He Xia, Yang Tianwen, Zhang Zhixing, Dong Xinhui, Chen Xinhua, Xu Bo, and Wang Hao. Baby and children's water buoyancy aids General technical requirements

1 Scope

GB/T 44673-2024 is the Chinese general technical standard for buoyant devices used by infants and children in water: the armbands, swim vests, swim seats and rings that support a child learning to swim. It occupies a difficult and previously unregulated space between a toy and a lifesaving appliance, and much of the document is devoted to marking out that boundary precisely, since a product treated as a toy by its maker and as a lifejacket by a parent is exactly how children drown. It sets the product classification, the technical requirements on safety performance in water, on appearance, construction and components, on material performance, on chemical requirements and on the durability of the marking, and it describes the corresponding test methods; it then sets the marking, the instructions for use and the warnings. The normative annexes carry the manikin models with their dimensions and centre of gravity calibration, the static and dynamic stability and inversion tests for wearable devices and for seat rings, the conspicuity test, the structural integrity test, the buoyancy test and the assessment expert panel. It applies to devices supporting the weight of children of 14 years and under, and explicitly excludes multi-person devices, devices rated above 100 kg or with paddles, inflatable water toys, enclosed inflatable structures, towed devices, specialised water sports products and lifesaving appliances.

This document specifies the product classification, technical requirements and labeling requirements for infant and child water buoyancy aids, and describes the corresponding test method. This document applies to water-assisted swimming platforms that support the weight of infants and children aged 14 and under for them to learn swimming and engage in other water leisure activities. Buoyancy aids. This document does not apply to. - Buoyancy devices for simultaneous use by multiple people; - Various types of water buoyancy

equipment with a nominal or actual maximum load greater than 100kg or with paddles; - Inflatable water toys; - Toys that do not provide auxiliary buoyancy support as their primary function and are only for infants and children to play on or in water; - Fully/semi-enclosed inflatable water equipment that people can enter; - Water equipment and supplies used for towing with ropes, etc.; - Various special water sports products, such as surfboards, etc.; - Various life-saving products, such as life jackets, life buoys, etc.

Note. Inflatable water toys are limited to use in shallow water areas; for water auxiliary buoyancy devices with cartoon shapes or obvious play functions, they also need to comply with the inflation Requirements of relevant standards for water toys.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB 6675.2 Safety of toys Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 buoyancy The upward force on an appliance when it is completely submerged in water.

4 Migration of certain elements

GB/T 8433 Textiles-Tests for colour fastness-Colour fastness to chlorinated water (swimming pool water)

GB/T 22048 Determination of certain phthalate plasticizers in toys and children's products

GB/T 23157 Safety requirements and test methods for import and export of children's portable swimming buoyancy aids