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

GB/T 44869-2024

**Specification for green packaging of toys and child use and
care articles**

玩具及儿童用品绿色包装技术规范

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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 is required. 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 by the National Working Group on Standardization of Infant and Child Products (SAC/SWG 18). This document was prepared by the National Working Group on Standardization of Infant and Child Products (SAC/SWG 18) and the National Technical Committee on Standardization of Toys (SAC/TC 253). Jointly managed. This document was drafted by: Guangzhou Customs Technical Center, SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd., Shenzhen Metrology Quality Inspection Co., Ltd. Research Institute, Beijing Pop Mart Cultural and Creative Co., Ltd., Beijing China Light

Industry Federation Certification Center Co., Ltd., Aofei Entertainment Co., Ltd., Mattel Toys Technology Consulting (Shenzhen) Co., Ltd., Beijing Shenchuangshiji Information Technology Co., Ltd., Bandai Toys (Shenzhen) Co., Ltd., Mingmen (China) Children's Products Co., Ltd., Shantou Godes Precision Technology Co., Ltd., Guangdong Wanjie Testing Technology Co., Ltd., Jiangmen Customs Technical Center, China Consumer Product Quality and Safety Promotion Association, Zhejiang Toys and Maternity and Baby Products Association, LEGO Trading (Shenzhen) Co., Ltd. Guangzhou Inspection and Certification Group Co., Ltd., Guangdong Maternity and Infant Products and Services Association, Shantou Customs Technical Center, Guangdong Jiexin Inspection Inspection and Certification Co., Ltd., Shanghai Customs Mechanical and Electrical Products Testing Technology Center, Shenzhen University of Technology, Dongguan Xingyue Industrial Co., Ltd., Guangzhou Chengmei Animation Technology Co., Ltd. and Yike Testing and Certification Co., Ltd. The main drafters of this document are. Liu Chonghua, Huo Weiqiang, Zhang Xiaoning, Huang Kaisheng, Lv Yuanzhi, Gao Jingtao, Lu Xuanben, Liu Zufang, Wang Hao, Lin Zhe, Huang Shengliang, Li Yibin, Huang Wu, Wang Xiyang, Jiang Xiaoliang, Du Hongzhong, Xu Bo, Li Xiaodong, Liu Xia, Chen Xinhua, Luo Wei, Ji Shengbin, Wang Caixia, Zhang Yewen, Chen Liqiong, Liang Yugang, Lin Weibin, and Zhong Kang. Technical Specifications for Green Packaging of Toys and Children's Products

1 Scope

GB/T 44869-2024 is the Chinese technical specification for green packaging of toys and childcare articles. Toy packaging is an unusually large and visible waste stream, elaborate by design, largely composite, and it reaches a household with a small child, which makes both its environmental and its safety requirements sharper than for general goods. The standard sets the basic requirements and then the requirements on materials, their physical and mechanical properties and the chemical substances permitted, with limits on heavy metals, phthalates and other substances of concern; on the design of the packaging, its reduction, its avoidance of unnecessary voids and layers, its separability into recyclable fractions and the elimination of composite materials that cannot be separated; on the recycled content and the recyclability; on the printing inks and adhesives; and on the marking and the information given to the consumer. It then sets the evaluation and verification methods. It takes effect on 1 December 2025.

This document specifies the basic requirements for green packaging of toys and children's products, as well as the material, restriction of excessive packaging, recycling and life cycle. The requirements for long-term environmental impact analysis are described, and the corresponding testing and evaluation methods are described. This document applies to various minimum sales packaging of toys and children's products, such as disposable, reusable, and reserved. This document does not apply to packaging for storage or transportation of toys and children's products. This document does not apply to children's food and cosmetic packaging.

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. in this document.

GB/T 191 Pictorial markings for packaging, storage and transportation

GB/T 6040 General rules for infrared spectroscopy analysis

GB 6675.2-2014 Safety of toys Part

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Green packaging In the whole life cycle of packaging products, under the premise of meeting the functional requirements of packaging, the harm to human health and ecological environment is small, and the resource can be Packaging that consumes less resources.

[Source: GB/T 37422-2019, 3.1]

3.2 reserved package Packaging that forms part of a product or is intended to have reference or use value and must be retained.

6 Organic Recycling

GB/T 18455 Packaging Recycling Mark

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

GB/T 31268 General Rules for Restricting Excessive Packaging of Commodities GBZ /T 192.1 Determination of dust in workplace air Part

1.Total dust concentration SN/T 5352 Determination of perfluorinated and polyfluorinated compounds in heat-resistant paper materials