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

GB/T 18455-2022

Replacing GB/T 18455-2010

Packaging recycling marking

包装回收标志

(English Translation)

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Foreword

This document was drafted in accordance with the rules given in GB/T 1.1-2020 "Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents".

This document replaces GB/T 18455-2010 "Package recycling marking". Compared with GB/T 18455-2010, in addition to the structural and editorial changes, the main technical changes are as follows:

- a) Change the application scope of the standard. Add "glass and consolidated packaging" in "Scope" (see Chapter 1 of this Edition, Chapter 1 of Edition 2010);
- "consolidated packaging materials". Add three terms: "packaging material", "packaging component" and "consolidated packaging" (see Chapter 3 of this Edition, Chapter 3 of Edition 2010);
- c) Add the description of recycling marking for plastic products other than commonly used plastics and definition of single-material plastic packaging products (see 4.3.2, 4.3.3 of this Edition);
- d) Delete "recycling marking for biodegradable plastic packaging" (see 4.2.2 of e) Change the recycling marking for "iron packaging". Add the recycling marking for "steel packaging" (see 4.4 of this Edition, 4.1 of Edition 2010);
- f) Add the recycling marking for "glass packaging" (see 4.5 of this Edition);
- g) Change the method for determining primary materials in consolidated packaging.
- h) Add "specifications and dimensions" of recycling marking (see 5.2 of this Edition);
- i) Add "color" of recycling marking (see 5.3 of this Edition);

j) Change "quantity" of recycling marking (see 5.4 of this Edition, 5.2, 5.3 of Edition k) Add "position" of recycling marking (see 5.5 of this Edition);

l) Change the "production" requirements for recycling marking (see 5.6 of this Edition) is drawn to the possibility that some of the elements of this document may be the subject of patent rights. The issuing authority shall not be held responsible for identifying any or all such patent rights.

This document was proposed by and shall be under the jurisdiction of National Technical Committee on Packaging of Standardization Administration of China (SAC/TC 49).

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Versions of standard substituted by this document are:

- It was GB 18455-2001 that was issued in 2001 for the first time. The first revision was in 2010;
- This is the second revision.

1 Scope

This document specifies the types, basic graphics and labelling requirements for packaging recycling marking.

This document applies to the design, production, trade and recycling of recyclable packaging containers, packaging products or packaging components such as paper, plastic, metal, glass and consolidated materials.

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.

3.1 supplier

An operator responsible for packaging or packaged products placed on the market or delivered for use.

or seller indicated on the label, or more specifically, the operator who voluntarily implements this document. When the packaging used by the supplier is provided by other manufacturers, the supplier can trace the relevant technical information.

3.2 packaging material

A general term for materials (such as: wood, metal, plastic, glass and paper) used to manufacture packaging containers and constitute product packaging.

3.3 packaging component

Components of a package that can be disassembled by hand or by simple physical means.

4.2 Paper packaging

The recycling marking for paper packaging products such as paper boxes and cartons consists of basic graphics and texts. An example of the recycling marking is shown in Figure 1.

4.3 Plastic packaging

4.3.1

The plastic packaging recycling marking consists of basic graphics, code names and acronyms. Examples of recycling marking for commonly used plastic packaging are shown in Table 2. The numbers in the figure are plastic codes, located in the center of the figure. The letters at the bottom of the figure are plastic abbreviations. Abbreviations and codes are marked according to GB/T 16288.

4.3.2

The recycling marking for other plastic products other than commonly used plastics shall be marked with their codes and abbreviations in accordance with GB/T 16288. The graphics are same with the plastic packaging recycling marking.

4.3.3

When the total content of additives and other components in a single-material plastic packaging product is less than 10%, the recycling marking shall be marked in accordance with the provisions of 4.3.1.

4.4 Metal packaging

The recycling marking for aluminium, iron and steel packaging products consist of basic graphics, letters and words. In addition to the letters in the steel packaging graphics using "ST", the letters in other graphics are chemical element symbols, located in the center of the graphics. "Aluminum", "Iron" or "Steel" can be marked below the graphics. The recycling markings are shown in Table 3.

4.5 Glass packaging

The recycling marking for glass packaging container consists of basic graphics and letters. The "GL" in the graphic stands for "glass labelling", located in the center of the graphic.

5.2 Specifications and dimensions

The specifications of the packaging recycling marking shall be determined according to the product size.

5.3 Color

Packaging recycling marking graphics shall be clear and eye-catching, not easy to fade and fall off. The printed recycling marking shall have sufficient contrast with the base color of the substrate.