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

GB/T 1019-2008

**General requirements for the package of household and similar
electrical appliances
(English Translation)**

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Table of Contents

Foreword...	3
1 Scope...	4
2 Normative references...	4
3 Terms and definitions...	5
4 Technical requirements...	6
5 Test methods...	8
6.Packing mark...	11

Foreword

This standard replaces GB/T 1019-1989.

This standard has made the following changes, compared with the previous version.

The "test method after the product packaging" that was listed in previous standard's appendix is moved into the standard main-text. And the main test methods are revised as follows.

- 1) For package pressure stacking test that occurs after humidity and temperature test, the height difference of the package between after-test and before-test is changed from "shall be less than 1.2cm/m" to "shall be less than 1.5cm/m";
- 2) The impact velocity of bevel impact test is changed from " $v = 2.2 \text{ m/s}$ " to " $v = 1.5 \text{ m/s}$ ";
- 3) Cancel the "cross-wood bump test";
- 4) In drop test, for the product that cannot be inverted, it is changed from "continuously drop test 6 times to the bottom-subface 3" to "continuously drop test 3 times to the bottom-subface 3";
- 5) The drop height in drop test is adjusted for the circulation conditions 1 and 2;

6) Add the chapter "Packing Mark".

This standard was proposed by China National Light Industry Council.

This standard shall be under the jurisdiction of National Household Electrical Standardization Technical Committee.

The main drafting organizations of this standard. China Household Electrical Appliances Research Institute, Midea Group Co., Ltd., Henan Xinfei Electric Group, Wuxi Little Swan Co., Ltd., Bo Xihua Electric (Jiangsu) Co., Ltd., Gree Electric Co., Ltd., Philips (China) Investment Co., Ltd., Matsushita Electric (China) Co., Ltd., Guangdong Hisense Kelon Electric Co., Ltd., Beijing Yadu Technology Co., Ltd.

1 Scope

This standard specifies term definitions, technical requirements, test methods and marks of package of household and similar electrical appliances. This standard applies to household and similar electrical appliances.

2 Normative references

The provisions of the following documents become the terms of the standard through reference in this standard. For dated references, all the subsequent amendments (excluding corrigendum) or revisions do not apply to this standard. However, encourage the parties who reach an agreement in accordance with this standard to study whether to use the latest version of these documents. For undated references, the latest version applies to this standard.

GB/T 191 Packaging Pictorial marking for handling of goods (GB/T 191-2008, ISO 780.1997, MOD)

GB/T 2423.3 Environmental testing for electronic components products - Part 2. Test methods Test Cab. Constant hot and humid test (GB/T 2423.3-2006, IEC 60068-2-78.2001, IDT)

GB/T 4122.1 Packaging Terms Part 1. Basics

GB/T 4768-1995 Mould-proof packaging

GB/T 4857.1 Packaging Transport packaging parts labeling method of the test (GB/T 4857.1-1992, eqv ISO 2206.1987)

3 Terms and definitions

The following terms and definitions apply to this standard.

3.1 General requirements

Household and similar electrical appliances shall have the basic packaging requirements.

3.2 Package

In the process of circulation, it is the generic name used for containers, materials and ancillary materials according to certain technical methods in order to protect the products, facilitate the transport and promote sales. And it refers to operational activities to apply certain technical methods to achieve the above-mentioned purpose in the course of using containers, materials and ancillary objects.

3.3 Moisture-proof packaging

It is a kind of packaging in order to prevent moisture infiltration of packaging and affect the quality of the contents of the package to take some protective measures.

3.4 Mould-proof packaging

It is a kind of packaging in order to prevent the contents from going moldy and affect the quality to take some protective measures.

4.1 General requirements

The packaging of household and similar electrical appliances shall be designed based on the nature of the products, characteristics, storage and transport conditions. Product packaging shall be solid, safe, reliable, easy to

handle. In the conditions of normal handling and transport and during storage, ensure product safety and performance not to be compromised because packaging is damaged, molded and rusted.

4.2 Moisture-proof packaging

If products need moisture-proof packaging, the packaging shall be consistent with the provisions of Chapter 4 of GB/T 5048-1999.

4.3 Mould-proof packaging

If the products need mould-proof packaging, the packaging shall comply with the provisions of GB/T 4768-1995 Chapter 5.

4.4 Rust-proof packaging

The products requiring rust-proof packaging and metal surface easy to rust shall comply with the provisions of Chapter 5 of GB/T 4879-1999.

The products requiring rust-proof packaging shall be packaged according to the design requirements of products and packaging. Packaging shall be consistent with certain rust-proof level or standards. Rust-resisting material shall meet the following requirements.

4.5 Shockproof packaging

The products requiring shockproof packaging shall meet the requirements of product packaging design.

After the test, the shockproof packaging piece shall meet the following requirements.

4.6 Packaging material

The packaging material used in products shall meet the general requirements of packaging material in China. Encourage the use of recyclable packaging material.