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GB/T 1019-2008

Replacing GB/T 1019-1989

General requirements for the package of household and similar electrical appliances

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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 m/s” to “v = 1.5 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.

The main drafters of this standard: Zhu Yan, Jin Yanhong, Liu Lingling, Liu Wenfa, Gao Yihong, Zhang Tao, Zhang Yuqi, Wang Yali, Yang Ming, Chen Hui.

This standard was first-released in 1989, and this is the first revision.

General requirements for the package of household and similar electrical appliances

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)

GB/T 4857.2 Packaging transport package basic test - Part 2: Temperature and humidity conditioning

GB/T 4857.3 Packaging transport package basic test - Part 3: Static load stacking test method

GB/T 4857.5 Packaging transport package drop test method (GB/T 4857.5-1992, eqv ISO 2248:985)

GB/T 4857.7 Packaging transport package basic test - Part 7: Sinusoidal fixed frequency vibration test method

take some protective measures.

3.6 Shockproof packaging

It is a kind of packaging, in order to reduce the impact and vibration of the contents, to take some protective measures to avoid damage.

3.7 Package

The overall-body that is formed after products are packed.

3.8 Packaging material

It is a kind of material specially designed and used for the packaging, the storage and transportation of household and similar electrical appliances.

Note: Packaging material may contain renewable material.

4 Technical requirements

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. At the same time, packaging shall comply with national environmental regulations and related requirements.

After passing the product inspection, the accessories, spare parts (if any attachments, spare parts) and product instructions, verification of conformity and packing lists shall be complete before packaging.

Packaging operations shall be in accordance with technical documents of product packaging.

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.

The products requiring moisture-proof packaging shall be packaged according to the design requirements of products and packaging. Packaging shall be consistent with certain moisture-proof level or standards. After moisture-proof packaging, the package shall be required to conduct constant heat and humidity test according to the regulations. After the test, the appearance

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