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GB 4706.39-2008 / IEC 60335-2-48:2002

Replacing GB 4706.39-2003

**Household and similar electrical appliances - Safety -
Particular requirements for commercial electric**

grillers and toasters

(IEC 60335-2-48:2002, IDT)

家用和类似用途电器的安全

商用电烤炉和烤面包炉的特殊要求

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Foreword

All technical contents of this Part are mandatory.

GB 4706 "Safety of household and similar electrical appliances" consists of several parts. Part 1 is general requirements. Other parts are particular requirements.

This part is Part 39 of GB 4706. This Part shall be used in conjunction with GB 4706.1-2005 "Household and Similar Electrical Appliances - Safety - Part 1: General Requirements".

This Part identically adopts IEC 60335-2-48:2002 "Household and similar electrical appliances - Safety - Part 2-48: Particular requirements for commercial electric grillers and toasters" and its amendment 1 (Ed4.0, 2008-02).

For easy use, this Part made the following editorial modifications for IEC 60335-2-48:2002:

- a) "Part 1" was modified as "GB 4706.1-2005";
- b) used "." to replace "," that was used as decimal point.

This Part replaces GB 4706.39-2003 "Safety of household and similar electrical appliances - Particular requirements for commercial electric grillers and toasters".

The main differences between this Part and GB 4706.39-2003 are as follows:

- deleted NOTE 101 in 6.2; added the requirements that "The appliance used on the desktop is at least IPX3, and the other appliances are at least IPX4";
- deleted 6.101;
- added NOTE 101 in 11.7;
- modified limit of leakage current in 16.2;
- modified clause 18 from inapplicable to applicable;
- added impact test on the package tube of the visible hot electric heating element in clause 21;
- modified relevant content of 22.101;
- added 29.2;

- deleted 30.3;
- modified the relevant content of combustion test in 30.101.

Annex N of this Part is normative.

This Part was proposed by China Light Industry Federation.

This Part shall be under the jurisdiction of National Technical Committee on Home Appliance of Standardization Administration of China (SAC/TC 46).

Main drafting organizations of this Part: Beijing Service Machinery Research Institute, Yu Fubao Kitchenware Equipment (Shenzhen) Co., Ltd., Xinmai Machinery (Wuxi) Co., Ltd., Shanghai Yixi Food Machinery Co., Ltd., Guangdong Yilipu Electric Co., Ltd.

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Versions of standard substituted by this Part are:

- GB 4706.39-1997, GB 4706.39-2003.

Household and similar electrical appliances - Safety - Particular requirements for commercial electric grillers and toasters

1 Scope

This clause of GB 4706.1-2005 is replaced by the following.

This Part of GB 4706 deals with the safety of electrically operated commercial grillers and toasters not intended for household use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral, and 480 V for other appliances.

Rotary or continuous grillers and toasters and similar appliances intended for grilling by radiant heat such as rotisseries, salamanders, etc. are within the scope of this Part.

NOTE 101 These appliances are used, for example in restaurants, canteens, hospitals and commercial enterprises such as bakeries, butcheries, etc.

The electrical part of appliances making use of other forms of energy is also within the scope of this Part.

As far as is practicable, this Part deals with the common hazards presented by these types of appliances.

NOTE 102 Attention is drawn to the fact that

- for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary;
- in many countries additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labor, the national water supply authorities and similar authorities;
- for appliances intended to be used outdoors, additional requirements may be necessary.

NOTE 103 This Part does not apply to

- appliances designed exclusively for industrial purposes;
- appliances intended to be used in locations where special conditions prevail, such as the presence

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