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

**GB/T 4706.35-2024**

Replacing GB 4706.35-2008

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**Safety of household and similar electrical appliances - Part 35:  
Particular requirements for commercial electric boiling pans  
(English Translation)**

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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.

This document is Part 35 of GB/T 4706 "Safety of Household and Similar Electrical Appliances". GB/T 4706 has been published as follows part.

- Part 1: General requirements;
- Part 2: Particular requirements for electric irons;
- Part 121: Particular requirements for professional ice cream machines.

This document replaces GB 4706.35-2008 "Particular requirements for safety of household and similar electrical appliances - commercial electric cooking pots" and Compared with GB 4706.35-2008, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- Added the terms and definitions of "functional surface" and "adjacent surface" (see 3.109, 3.110);
- Changed the requirements for marking and instructions (see 7.1, 7.6, 7.12, 7.12.1, 7.15, 7.1, 7.6, 7.12, 7.15 of the 2008 edition) 7.12.1, 7.15);
- Increased the requirements for symbol height (see 7.14);
- Added the requirements for measurement using the test probe of Figure 103 (see 11.3);
- Changed the requirements for stable state (see 11.7, 11.7 of the 2008 edition);
- Changed the requirements for the maximum temperature rise of the external accessible surface of the appliance under normal working conditions (see 11.8, 2008 Version 11.8);
- Changed the allowable value of leakage current of related electrical appliances (see 13.2, 16.2, 13.2, 16.2 of the 2008 edition);
- Deleted 15.3 and 19.4 (see 15.3 and 19.4 of the 2008 edition);

- Added the composition requirements of the rinse agent (see 15.2);
- Changed the requirements for different tilt modes (see 22.110, 22.110 of the 2008 edition);
- Added structural requirements for hanging baskets, lifting or tilting devices (see 22.118);
- Changed the suitable equipment (see 25.3, 25.3 of the 2008 edition);
- Added requirements for appliance screws and connections (see 28.1, 28.4);
- Changed the temperature of the glow-wire test (see 30.2.1, 30.2.1 of the 2008 edition);
- Added Figures 102 and 103.

This document is equivalent to IEC 60335-2-47:2017 "Safety of Household and Similar Electrical Appliances Part 2-47.Commercial Electric Cooking Cookers" Special Requirements.

The following minimal editorial changes were made to this document.

--- The name of the standard was changed to "Safety of Household and Similar Electrical Appliances Part 35: Particular Requirements for Commercial Electric Cooking Pans", and the standard was enhanced the coordination of the system.

---Correct "6.3" in Appendix N of IEC 60335-2-47:2017 to "10.1".

## Introduction

GB/T 4706 "Safety of Household and Similar Electrical Appliances" adopts most of IEC 60335. On this basis, GB/T 4706 refers to the structure of IEC 60335 is divided into several parts, consisting of general requirements and special requirements. Part 1 is general requirements, and the other parts are for products covered by special requirements, their safety requirements are general requirements used in combination with the special requirements.

The requirements include supplements and modifications to the corresponding clauses in the general requirements to provide complete requirements for each product.

This document is the protection requirements for electrical, mechanical, thermal, fire and radiation risks when the appliance is used normally in accordance with the instructions.

This document also covers abnormal conditions that may occur during use and considers how electromagnetic interference may affect the safe operation of the equipment.

This document has taken into account the requirements specified in GB/T 16895 "Low Voltage Electrical Installations". The appliance is connected to the power supply in accordance with the electrical wiring rules.

requirements are coordinated.

If multiple functions of an appliance involve other parts of GB/T 4706, the other parts shall apply to the appliance separately as long as it is reasonable.

Each function. If applicable, consider the impact of one function on other functions.

When no additional requirements are given in other parts for hazards already included in this document, GB/T 4706.1 applies.

GB/T 4706 is a standard covering appliance safety and takes precedence over general standards/horizontal standards covering the same subject.

This document is used in conjunction with GB/T 4706.1-2024 "Safety of Household and Similar Electrical Appliances Part 1: General Requirements".

The part marked "applicable" in the document indicates that GB/T 4706.1-2024 "Safety of Household and Similar Electrical Appliances - Part 1: General Requirements" the corresponding clauses in the "Requirements" shall apply to this document; for the parts marked "replace" in this document, the clauses in this document shall prevail;

The "Add" part indicates that in addition to complying with the corresponding clauses in GB/T 4706.1-2024, the additional clauses in this document must also be complied with.

Clause; The part marked "modified" in this document indicates that the corresponding clauses of GB/T 4706.1-2024 are modified.

Safety of household and similar electrical appliances Part 35: Particular requirements for commercial electric cooking pots

## 1 Scope

This chapter of GB/T 4706.1-2024 is replaced by the following.

This document deals with the safety of commercial electric cooking cookers not intended for domestic use. For single-phase appliances connected to a line and neutral conductor, the rated voltage not exceeding 250V, other appliances not exceeding 480V.

NOTE 101 Such appliances are suitable for use in commercial food processing, for example in restaurants, canteens, hospital kitchens and commercial enterprises such as bakeries and butchers.

The electrical parts of appliances using other forms of energy are also within the scope of this document.

As far as is practical, this document deals with the common hazards arising from this type of apparatus.

**Note 102:** Pay attention to the following.

--- For equipment intended for use exclusively on vehicles, ships or aircraft, additional