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

GB/T 4706.40-2024

Replacing GB 4706.40-2008

**Safety of household and similar electrical appliances - Part 40:
Particular requirements for commercial electric multi-purpose
cooking pans**

(English Translation)

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Reference

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 40 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 4706.40-2008 "Particular requirements for safety of household and similar electrical appliances - commercial multi-purpose electric cookers" and Compared with GB 4706.40-2008, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- Added instructions for appliances with external accessible surfaces or covers (see 7.1);
- Added high temperature warning symbol (see 7.6);
- Added instructions for the removal of stationary appliances for cleaning (see 7.12.1);
- Added requirements for symbol height and marking (see 7.14, 7.15);
- Added the requirements for measurement using the test probe of Figure 103 (see 11.3);
- Added the requirement for continuous monitoring of temperature rise (see 11.8);
- Changed the leakage current requirements of related electrical appliances (see 13.2, 16.2, 13.2, 16.2 of the 2008 edition);
- Added requirements for abnormal operation of equipment, mechanical hazards, and structural measurements (see 19.101, 19.102, 20.101, 22.109~22.115);
- Change some notes to the main text (see 23.3, Note 101 and Note 102 of 23.3 of the

2008 edition);

--- Added requirements for appliance screws and connections (see 28.1, 28.4);

--- Added figures on temperature measurement (see Figure 102, Figure 103).

This document is equivalent to IEC 60335-2-39:2017 "Safety of Household and Similar Electrical Appliances Part 2-39.Commercial Multi-purpose Electrical Appliances Special requirements for frying pans.

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 40: Particular Requirements for Commercial Multipurpose Electric Cookers", and Strengthen the coordination of the standard system.

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 40: Particular requirements for commercial multi-purpose electric cookers

1 Scope

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

This document deals with the safety of commercial multi-purpose electric cooking pans not intended for household use.

The rated voltage of pressure equipment does not exceed 250 V and that of other equipment does not exceed 480 V. This document also covers pressure equipment and equipment with pressurized parts.

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 on vehicles, ships or aircraft, there are necessary additional requirements;

--- In many countries, additional requirements are imposed by national health, labor protection, water supply and other similar authorities.

Note 103: This document does not apply to.