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

GB/T 4706.112-2024

**Safety of household and similar electrical appliances-Part 112:
Particular requirements for disinfecting tableware cabinet**

家用和类似用途电器的安全 第112部分：食具消毒柜的特殊要求

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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 112 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.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by China Light Industry Federation.

The document is under the jurisdiction of the National Technical Committee for Standardization of Household Electrical Appliances (SAC/TC46).

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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 112.Particular requirements for tableware disinfection cabinets

1 Scope

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

This document specifies the safety requirements for tableware sterilizers for household and similar purposes.

This document applies to tableware disinfection cabinets for household and similar purposes with a rated voltage not exceeding 250V, and also applies to electric heating,

ozone Household and similar tableware disinfection cabinets that use the following disinfection methods. disinfection method, ultraviolet radiation (can only be used as an auxiliary method), and a combination of the above disinfection methods.

This document deals with appliances that present common hazards to which all persons in and around the home may be exposed. However, in general This document does not take into account the following situations.

- Use of the appliance by unattended children and disabled persons;
- Children playing with utensils.

Note 101. Pay attention to the following.

- For equipment intended for use in vehicles, ships or aircraft, additional requirements may be required;
- National management departments may impose additional requirements on equipment.

Note 102. This document does not apply to.

- Disinfection cabinet for medical use.

2 Normative references

GB/T 4706.1-2024

GB/T 5433

GB 7000.1-2023

IEC 60598

3 Terms and definitions

Except for the following contents, this chapter of GB/T 4706.1-2023 applies. 3.1.9 Replaces. Normal operation The disinfection cabinet is in the empty working state when the door is not opened. 3.5.8 Replaces.

combined disinfecting tableware cabinet combined disinfecting tableware cabinet A tableware disinfection cabinet composed of different types of disinfection chambers.

3.101 Disinfecting of tableware

Kill or remove residual pathogenic microorganisms on cleaned natural tableware to render it harmless.

3.102 Disinfecting tableware cabinet disinfecting tableware cabinet

A device with appropriate capacity and equipment to sterilize tableware using physical,