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

GB/T 4706.83-2024

Replacing GB 4706.83-2007

**Safety of household and similar electrical appliances - Part 83:
Particular requirements for ironers
(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 83 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 4706.83-2007 "Safety of Household and Similar Electrical Appliances Part 2: Particular Requirements for Clip Ironing Machines" Compared with GB 4706.83-2007, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) The provisions of Chapter 1 regarding the groups of people not covered by this document have been changed (see Chapter 1, Chapter 1 of the 2007 edition);
- b) Changed the roller structure requirements for rotary clip ironing machines (see 22.101, 2007 edition 22.101);
- c) Changed the limiting conditions for the structural requirements of the screed plate for direct two-hand operation (see 22.102, 2007 edition);
- d) Added structural requirements for rotary clip ironing machines (see 22.108);
- e) Added structural requirements for ironing boards that are directly operated by two hands (see 22.109);
- f) Added software evaluation requirements (see Appendix R).

This document is equivalent to IEC 60335-2-44:2012 "Safety of Household and Similar Electrical Appliances Part 2-44.Special Requirements for Clip Ironing Machines" Require".

The following minimal editorial changes were made to this document.

--- Change the name of the standard to "Safety of Household and Similar Electrical Appliances Part 83: Particular Requirements for Clip Ironing Machines" to enhance the standard content the coordination of the 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 the corresponding clauses in GB/T 4706.1-2024 are applicable to this document; the part marked "replaces" in this document indicates that the corresponding clauses in GB/T 4706.1-2024 are applicable to this document.

For the parts marked as "added" in this document, in addition to complying with GB/T 4706.1-2024, the provisions in this document shall prevail.

In addition to the corresponding clauses, the clauses added in the clauses of this document must also be complied with; the part of this document marked "modified" means that in GB/T 4706.1-the relevant provisions of 2024 will be modified.

Safety of household and similar electrical appliances Part 83: Particular requirements for clip ironing machines

1 Scope

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

This document covers the safety of electric irons for household and similar purposes. The rated voltage of single-phase appliances does not exceed 250V, and the rated voltage of other appliances does not exceed 250V.

The rated voltage shall not exceed 480V.

Appliances not intended for normal household use but which may nevertheless present a danger to the public, such as those intended to be used by lay persons in shops, light industry or on farms Equipment used by personnel also falls within the scope of this document.

NOTE 101 Examples of appliances within the scope of this document.

- Single-operated ironing board;
- Manipulator;
- Single-operated rotary ironing machine;
- Trousers ironing board.

As far as is practical, the common hazards presented by the various appliances covered by this document are those that are present in the home and its surroundings.

However, in general this document does not consider the following situations.

- The following groups (including children).
 - due to a physical, sensory or mental impairment, or - Due to lack of experience and knowledge, Conditions that render them incapable of using the appliance safely without supervision or instruction.
- Condition of children's play equipment.

Note 102: Pay attention to the following.

- For equipment intended for use in vehicles, ships or aircraft, additional requirements may