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

GB/T 4706.43-2024

Replacing GB 4706.43-2005

**Safety of household and similar electrical appliances-Part 43:
Particular requirements for projectors and similar appliances**

家用和类似用途电器的安全 第43部分：投影仪和类似用途器具的特殊要求

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Table of Contents

Preface	III
Introduction	IV
1 Scope	1
2 Normative references	2
3 Terms and Definitions	2
4 General requirements	4
5 General conditions for testing	4
6 Categories	4
7 Markings and instructions	4
8 Protection against contact with live parts	4
9 Starting of electric appliances	4
10 Input power and current	4
11 Fever	5
12 Empty Chapter	5
13 Leakage current and electrical strength at operating temperature	5
14 Transient overvoltage	5
15 Moisture resistance	5
16 Leakage current and electrical strength	5
17 Overload protection of transformers and related circuits	5
18 Durability	6
19 Abnormal working conditions	6
20 Stability and mechanical hazards	6
21 Mechanical strength	6
22 Structure	7
23 Internal Wiring	7
24 Components	7
25 Power connection and external cord	7
26 Terminal block for external conductor	7
27 Grounding measures	7
28 Screws and connections	7
29 Clearances, creepage distances and solid insulation	8
30 Heat and flame resistance	8

31 Rust prevention	8
32 Radiation, toxicity and similar hazards	8
Appendix	9
Reference	10

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 43 of GB/T 4706 "Safety of Household and Similar Electrical Appliances". GB/T 47063 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 4706.43-2005 "Safety of household and similar electrical appliances - Particular requirements for projectors and similar appliances" Compared with GB 4706.43-2005, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- Changed the specific requirements for the population not considered in this document (see Chapter 1, Chapter 1 of the 2005 edition);
- Changed the expression of the light bulb symbol (see 7.1, 7.1 of the 2005 edition);
- Changed the test height requirements for the drop test of remote control components (see Chapter 21, Chapter 21 of the 2005 edition).

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.

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

This document was drafted by: Guangdong Product Quality Supervision and Inspection Institute, China Household Electrical Appliances Research Institute, China Certification and Inspection (Shanghai) Testing Technology Co., Ltd.

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The previous versions of this document and the documents it replaces are as follows.

- First issued in 1999 as GB 4706.43-1999, first revised in 2005;
- This is the second revision.

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. GB/T 4706 consists of several parts.

The first part is general requirements, and the other parts are special requirements. For products covered by special requirements, their safety requirements are the same as general requirements.

The special requirements are used in conjunction with the general requirements, which include supplements and modifications to the corresponding clauses in the general requirements to provide Complete product requirements.

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

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 respective functions as long as it is reasonable.

For each function of the appliance, if applicable, the effect of one function on other functions shall be considered.

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 revises GB/T 4706.43-2005 and adopts the structure of IEC 60335. It is consistent with GB/T 4706.1-2024 "Household and similar appliances" "Safety of electrical

appliances for similar purposes Part 1: General requirements" is used in conjunction with this document. The parts marked "applicable" in this document indicate The corresponding clauses in GB/T 4706.1-2024 "Safety of Household and Similar Electrical Appliances Part 1: General Requirements" apply to this document;

For the part of this document marked as "replacement", the terms in this document shall prevail; for the part of this document marked as "addition", it means that in addition to complying with In addition to the corresponding clauses in GB/T 4706.1-2024, the additional clauses in this document must also be complied with; the parts of this document marked as "modified" It means that the corresponding clauses of GB/T 4706.1-2024 are modified.

Safety of household and similar electrical appliances Part 43. Projectors and similar appliances Special Requests

1 Scope

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

This document specifies the rated voltage of single-phase appliances not exceeding 250V and other appliances not exceeding 480V for household and similar appliances.

Safety requirements for projectors and similar appliances used in the field.

This document applies to projectors and similar appliances for household or similar purposes.

NOTE 101 Examples of instruments included in the scope of this document are as follows.

- Effect projector;
- Film projector;
- Film viewer;
- Micro projector;
- Movie projector;
- Reflection projector;
- Dual-purpose projector (transmission-reflection dual-purpose projector);
- Top projector;
- Picture enlarger;
- Picture copying machine;
- Slide projector (transmission slide projector);