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

GB 44498-2024

**Household and similar electrical appliances - Health technical
specification**

家用和类似用途电器 健康技术规范

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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. 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 is proposed and coordinated by the Ministry of Industry and Information Technology of the People's Republic of China.

During the formulation of this document, factors such as my country's national conditions and the current development status of the consumer goods industry were taken into consideration. These are basic requirements that must be followed in order to protect the health of relevant people. The health technology involved in this document refers to the technology designed to prevent household and similar electrical appliances from being damaged during normal use, installation, maintenance, and repair. Basic requirements for the health hazards caused to the human body by physical, chemical and biological factors during the process. Health technical specifications for household and similar electrical appliances

1 Scope

GB 44498-2024 is the Chinese national standard on household and similar electrical appliances - health technical specification, in the field of environment and health protection, safety. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 23 August 2024 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1

September 2026. Classification: ICS 13.120, CCS Y60. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document defines the relevant terms and definitions of household and similar electrical appliances involving health technology, and stipulates the It involves the overall requirements, basic requirements, health protection functions, requirements for marking and instructions of health technology, and describes the corresponding test methods. This document applies to the design, production, inspection, use, installation, maintenance and other aspects of household and similar electrical appliances (hereinafter referred to as "household appliances"). Maintenance, repair, etc.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB 4806 (all parts) National Food Safety Standard (Safety Requirements for Food Contact Materials and Products)

GB 5009.156 National food safety standard General rules for pretreatment methods for migration tests on food contact materials and articles

GB 9685 National Food Safety Standard Standard for the use of additives in food contact materials and articles

GB/T 17988 Performance requirements and test methods for tableware disinfection cabinets GB/T 18801 Air Purifier

GB/T 19606 Limits of noise levels for household and similar electrical appliances

GB/T 21551 (all parts) Antibacterial, sterilization and purification functions of household and similar electrical appliances

GB 31604 (all parts) National food safety standard Food contact materials and articles

GB/T 39640 Measurement method of electromagnetic fields from household appliances and similar apparatus relative to human exposure

3 Terms and definitions

The terms and definitions defined in GB/T 18801, GB/T 21551 (all parts) and the following

apply to this document.

3.1 Single-phase AC powered appliances used by non-professionals in homes, residences and similar places (such as shops, light industry and farms, etc.) Electrical appliances with a rated voltage not exceeding 250V and other appliances with a rated voltage not exceeding 480V.

3.2 It is determined by four interrelated vectors, namely electric field intensity, electric flux density, magnetic field intensity, and magnetic induction intensity, and is related to current density and volume charge density. The fields that together characterize the electric and magnetic states in a medium or vacuum. [Source: GB 8702-2014, 3.5]

3.3 Based on human health, household electrical appliances have functions such as air purification, sterilization, virus removal, antibacterial and antiviral.

Note. The above functions achieved by using chemicals are not included. Examples of chemicals include disinfectants, sterilizers, cleaning fluids, etc.