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

GB/T 46503-2025

Household and similar coffee makers

家用和类似用途咖啡机

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed by the China National Light Industry Council. This document is under the jurisdiction of the National Technical Committee on Standardization of Household Appliances (SAC/TC46). This document was drafted by: Guangdong Midea Home Appliances Manufacturing Co., Ltd., Qingdao Haishi Baking Appliances Co., Ltd., and Foshan Shunde District. Li Electric Technology Co., Ltd., Kalerm Technology (Suzhou) Co., Ltd., Foshan Shunde Baicui Electric Co., Ltd., China Household Electrical Appliances Research Institute Research Institute, China Household Electric Appliance Research Institute (Beijing) Testing and Certification Co., Ltd., Guangdong Xinbao Electric Appliances Co., Ltd., Zhangzhou Cankun Industrial Co., Ltd., China Quality Certification Center Co., Ltd., Zhejiang Biyi Electric Appliance Co., Ltd., Guangdong Gemile Intelligent Technology Co., Ltd., and Fansonni (China) Investment Co., Ltd. Limited Liability Company, Qingdao Haier Smart Home Appliances Co., Ltd., Zhejiang Ande Electric Appliances Co., Ltd., Shenzhen Xifei Technology Co., Ltd., Little Bear Electric Appliances Joint-stock company, Foshan Shunde Huashen Electric Manufacturing Co., Ltd., Xiaomi Communications Technology Co., Ltd., Ningbo Kunlin Technology Co., Ltd. Shenzhen Weijia Home Appliances Co., Ltd., Hangzhou Robam Appliances Co., Ltd., Foshan Jiulong Machinery Co., Ltd., Ningbo Jiertian Electric Co., Ltd. The company, Guangzhou Kanghong Technology Co., Ltd., Jiangmen Metz Intelligent Technology Co., Ltd., Guangzhou Lingguang Electrical Machinery Co., Ltd., Shenzhen China Electronics Technology Development Co., Ltd., Ningbo Ximo Electric

Appliance Co., Ltd., Foshan Shunde District Xuetaolang Electric Appliance Co., Ltd., and Kaiye Technology (Suzhou) Limited Liability Company, Ningbo Haozuan Technology Co., Ltd., Guangzhou Jinuo Intelligent Equipment Co., Ltd., Zhuhai Xiangzhijun Technology Co., Ltd., Dongguan Shizebao Intelligent Technology Co., Ltd., Shenzhen Zhenran Technology Co., Ltd., and Weikai Testing Technology Co., Ltd. The main drafters of this document are: Chen Wei, Su Ying, Pang Xicun, Lin Nuofeng, Zhu Chenwei, Lu Xiaohong, Li Chao, Yang Bin, Cai Ruifeng, and Li Jichao. Yao Jilin, Zhu Wenjing, Shen Yaoqi, Du Yilin, Qian Sheng, Liu Youliang, Chen Wei, Chen Pu, Li Xin, Zhang Xiangfu, Tang Zheng, Ruan Huaping, Zhu Zhouyang, Wang Tianlong, Wang Xuebin, Zheng Zhimin, Wang Fumin, Rong Dingcheng, Yu Yingli, Chen Guolun, Zhang Leiming, Gu Chengtao, Liang Shengquan, Xiang Jun, Xia Qingfeng, Xie Zhenyu, Xing Jun, Li Yonghao. Coffee machines for home and similar purposes

1 Scope

GB/T 46503-2025 is the Chinese national standard covering the domestic coffee machine - the brewing temperature and the extraction, the pump pressure for espresso, the milk system and its cleaning, the descaling, the food contact materials and the scald and pressure hazards. First edition, in force from 1 May 2026. Issued on 5 October 2025, it has been in force since 1 May 2026.

This document specifies the classification, technical requirements, inspection rules, and marking and packaging of coffee machines for household and similar purposes (hereinafter referred to as "equipment"). The requirements for loading, transportation, and storage are described, along with the corresponding test methods. This document applies to single-phase appliances with a rated voltage not exceeding 250V, and other appliances with a rated voltage not exceeding 480V for household and similar applications. This document pertains to the production, inspection, and sale of coffee machines. The coffee machines covered in this document must at least have the function of making espresso. This document does not apply to coffee machines and capsule coffee machines used outdoors.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 191 Packaging and Storage Graphic Symbols

GB/T 4214.1-2017 General requirements for noise testing methods of household and similar electrical appliances

GB 4343.1 Electromagnetic compatibility requirements for household appliances, power tools and similar appliances - Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 coffee maker Equipment for making coffee extract.

Note. The following coffee extract is referred to as "coffee".

3.2 Integrating functions such as grinding, tamping, extraction, and residue removal, it can automatically complete the entire coffee-making process from coffee beans to coffee through preset programs.

19 Particular requirements for liquid heaters

GB/T 4706.30 Safety of household and similar electrical appliances - Part

30.Particular requirements for kitchen machinery

GB/T 5296.2 Instructions for use of consumer products - Part