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

GB/T 46497-2025

**Quality identification specification for second-hand household
electrical appliances - Refrigerators and room air conditioners**

二手家用电器产品品质鉴定规范 电冰箱和房间空调器

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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 was prepared by the National Technical Committee on Standardization of Household Appliances (SAC/TC46) and the National Technical Committee on Standardization of Used Goods (SAC/TC46). TC440) is jointly under the jurisdiction of the State. This document was drafted by: China Household Electric Appliance Research Institute, Hisense Air Conditioning Co., Ltd., Hefei Hualing Co., Ltd., and China Household Electric Appliance Research Institute (Beijing). Testing and Certification Co., Ltd., Anhui Zhongren Beijia Technology Co., Ltd., Shandong Provincial Institute of Product Quality Inspection, Weikai Testing Technology Co., Ltd. Zhongren Yingtai Testing Technology Co., Ltd., and Ningbo Yutong Electric Co., Ltd. The main drafters of this document are. Cai Yi, Bie Qingfeng, Li Liyan, Yu Yan, Zhang Ziqi, Shen Bin, Xie MiaoXue, Zhao Jing, Dai Xingxue, Huang Conglin, and Ying Yi. Standards for Quality Appraisal of Second-hand Home Appliances Refrigerator and room air conditioner

1 Scope

GB/T 46497-2025 is the Chinese national standard covering grading a used fridge or air conditioner for resale - the age and the remaining safe service life, the electrical safety and insulation checks, the refrigerant charge and the performance measured against the original rating, and the cosmetic condition. First edition, under the China National Light Industry Council. In force from 1 May 2026. Issued on 5 October 2025, it has been in force

since 1 May 2026.

This document specifies the identification process and techniques for the quality assessment of used refrigerators and used room air conditioners in the field of second-hand household appliances. The requirements specify the conditions for the assessment operation and describe the quality grading, quality assurance, assessment report, and other related content. This document applies to the quality assessment of used refrigerators and used room air conditioners during the distribution process.

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 4706.1-2024 Safety of household and similar electrical appliances - Part

3 Terms and Definitions

The terms and definitions defined in GB/T 21667 and the following terms and definitions apply to this document.

3.1 Household appliances that have entered the fields of production and consumption, and retain some or all of their original use value.

3.2 Second-hand refrigerators Refrigerators that have entered the fields of production and consumption while retaining some or all of their original use value.

Note. Used refrigerators include freezers, refrigerators, wine cabinets, etc., which have refrigeration systems and consume energy to obtain cooling. The insulated enclosure.

3.3 Room air conditioners that have entered the fields of production and consumption while retaining some or all of their original use value.

Note. Used room air conditioners include unitary air conditioners (window type, through-wall type, etc.) and split air conditioners (wall-mounted type, etc.) with a rated cooling capacity of less than 14000W. Floor-standing units, multi-split air conditioners, and other room air conditioners.

3.4 Safe service life As specified by the manufacturer during design and manufacturing, household appliances, when used normally under standard operating conditions according to the instructions, are capable of... Ensure safe use during the specified time.

Note. The unit of safe service life is years. [Source: GB/T 21097-2025, 3.2]