

ICS 97.030
CCS Y 68



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

GB/T 46494-2025

**Evaluation requirements of the recyclability rate for household
electric processing appliances**

家用电动加工器具再生利用率评价要求

Issued on: October 5, 2025

Implemented on: May 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

Table of Contents

1.Scope	1
2 Normative References	1
3.Terms and Definitions	1
4.Calculation method for recyclability	2
5.Renewable Energy Calculation Criteria	2
6.Recyclability Evaluation Value	4
5 References	7

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: Hangzhou Joyoung Small Home Appliances Co., Ltd., Jinan Municipal Institute of Product Quality Inspection, China Household Electric Appliance Research Institute, and Zhejiang Province. Shaoxing SUPOR Home Appliances Co., Ltd., Guangdong Midea Home Appliances Manufacturing Co., Ltd., and China Household Electric Appliance Research Institute (Beijing) Testing and Certification Co., Ltd. The main drafters of this document are. Miao Shuai, Zhang Yilin, Chen Wei, Feng Longbiao, Qian Yunfei, and Chen Xiangfeng. Evaluation requirements for the recycling rate of household power processing tools

1 Scope

GB/T 46494-2025 is the Chinese national standard covering how much of a blender or a food processor can actually be recycled - the mass of each material and how it is joined, the ease of separation at end of life, the calculation of the recyclable and recoverable fractions, and the evidence behind the figure claimed. First edition, and it belongs with the recycled material specification GB/T 46730-2025. In force from 1 May 2026. Issued on 5 October 2025, it has been in force since 1 May 2026.

This document describes the calculation method and criteria for the recyclability rate of

household power processing appliances. It specifies the evaluation value for recyclability, recyclability labeling, and requirements. This document applies to household power processing appliances (hereinafter referred to as "appliances"), excluding the packaging and packaging materials of the appliances. Examples of appliances that fall within the scope of this document are as follows:

- Soy milk maker;
- High-speed blender (food processor);
- Juicer/Fruit Extractor/Slow Juicer;
- Food processing machine;
- Meat grinder;
- Noodle maker;
- Grinding mill.

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 23384-2009 Product and Component Recyclability Labeling

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Recyclability rate The sum of the masses of the reusable and recyclable parts of the appliance (excluding energy recovery components) and the total mass of the appliance. percentage. [Source: GB/T 20861-2007, 2.15, with modifications]

3.2 Recyclable materials Various parts and raw materials that can be processed to regain their usability, such as motors, metals, plastics, and glass. [Source: GB/T 20861-2007, 2.17, with modifications]

3.3 A threshold for evaluating the recyclability of a product, based on existing technologies and methods. [Source: GB/T 32355.5-2015, 3.2]