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

GB/T 46854-2025

Green product assessment - Water purification equipment

绿色产品评价 净水机

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Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and Definitions

Foreword

This document conforms to GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting is scheduled. 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 National Technical Committee on Water Conservation Standardization (SAC/TC 442) and the National Green Product Evaluation Standardization General Group. This document was prepared by the National Technical Committee on Water Conservation Standardization (SAC/TC 442) and the National Technical Committee on Household Appliance Standardization (SAC/TC 46) under its jurisdiction. This document was drafted by: Qingdao Haier Strauss Water Equipment Co., Ltd., China National Institute of Standardization, Tsinghua University, and Anhui University of Technology. Learning, Shenzhen Angel Drinking Water Industry Group Co., Ltd., Canature Health Technology Group Co., Ltd., China Membrane Industry Association, Zhuhai Gree Electric Appliances Co., Ltd., Beijing Honghua Electric Appliances Co., Ltd., Ningbo Fotile Kitchenware Co., Ltd., Kunshan Ecowater Systems Co., Ltd., Foshan Midea Qinghu Water Purification Equipment Co., Ltd., Zhejiang Qinyuan Water Treatment Technology Co., Ltd., Shuwanuo Materials Technology (Guangzhou) Co., Ltd., Guangdong Lingshang Water Purification Technology Co., Ltd., Guangdong Bili Drinking Water Equipment Co., Ltd., Zhongshan Vatti Environmental Technology Co., Ltd., and Beijing OriginWater Technology Co., Ltd. South China Technology Co., Ltd., Shanghai Pudao Water Conservation Technology Co., Ltd., Zhejiang Langshide Healthy Drinking Water Equipment Co., Ltd., Chengdu Da Qi Technology Co., Ltd., Guangdong Deerma Health Technology Co., Ltd., Foshan Xinyao Environmental Protection Technology Co., Ltd., Dongguan Beiyi Environmental Protection Bao Technology Co., Ltd., Youkou Water Purification Technology Group (Guangdong) Co., Ltd., Guangdong Yuehai Water Affairs Co., Ltd., Shaoxing Mona Water Purification Technology Limited Liability Company, Foshan Delta Electric Technology Co., Ltd., Rifeng Enterprise Group Co., Ltd., Zhejiang Zhongguang Environmental Equipment Co., Ltd., Yitai (Nanjing) Environmental Protection Technology Co., Ltd., Xiaomi Communications Technology Co., Ltd., Guangdong Chestnut Technology Co., Ltd., Guangdong Luzhonglv Drinking Water Industry Group Limited, Anhui Zhihong Purification Technology Co., Ltd.,

Hainan Lisheng Water Purification Technology Industry Co., Ltd., Jiangsu Qin'erkang Environmental Protection Co., Ltd. Equipment Co., Ltd., Wuhu Aierda Technology Co., Ltd. The main drafters of this document are. Bai Yan, Wang Xiao, Shao Jiajia, Gu Chunpeng, Zhang Hao, Zhao Kai, Zhu Yi, Kong Lingsi, Wei Wei, Liu Hongxing, and Lu Ping. Meng Huilin, Zheng Yuedong, Wang Manman, Yu Shandan, Liu Hongtao, Qu Yaming, Ma Shaojin, Zeng Zhijun, Liang Yubiao, Zheng Genjiang, Yu Feng, Wang Chen, Lin Liangzhong Yuan Gongsheng, Luo Binwen, Zhu Jincheng, Huang Kunming, Liu Shejun, Su Kaifeng, Huang Qingyu, Lu Baoguang, Xu Chi, Ding Jialiang, Xu Zhaohuo, Lin Xiyong, Gu Jiabin Zhang Douwu, Ye Liangen, Lin Yujun, Zhan Xing, Xiong Zhi, Chen Chen, Liang Guoping, Hu Ruguo. Green Product Evaluation. Water Purifier

1 Scope

GB/T 46854-2025 is the Chinese national standard covering the domestic water purifier assessed as a green product - the water it wastes to drain, which for reverse osmosis can exceed the water it produces, the energy, the life of the filters and what happens to them, and the materials of the housing. First edition. It was issued on 31 December 2025 and has been in force since 1 July 2026, as a first edition. The document is under the responsibility of the Standardization Administration of China. This page is published from the official record of the 2025 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are listed below. 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 Pictorial Symbols for Packaging and Storage

GB/T 4706.114 Safety of household and similar electrical appliances - Part 114: Particular requirements for drinking water treatment devices

GB/T 5296.2 Instructions for Use of Consumer Products - Household and Similar Electrical Appliances

GB/T 5750 Standard Examination Methods for Drinking Water

GB/T 18455 Packaging Recycling Mark

GB/T 19001 Quality Management System Requirements

GB/T 22939.1 Packaging for household and similar electrical appliances - Part

GB/T 23384 Product and Component Recyclability Labeling

GB/T 24001 Environmental Management Systems Requirements and Guidance for Use

GB/T 24067 Requirements and Guidelines for Quantifying the Carbon Footprint of Greenhouse Gas Products

GB/T 26572 Limits for Restricted Substances in Electrical and Electronic Products

GB/T 30307 Household and similar drinking water treatment devices

GB 30978 Energy Efficiency Limits and Energy Efficiency Grades for Water Dispensers

GB/T 31268 General Rules for Restricting Excessive Packaging of Commodities

GB/T 33761 General Rules for Green Product Evaluation

GB 34914 Water Efficiency Limits and Water Efficiency Grades for Water Purifiers QB/T

5679 Energy Efficiency Limits and Energy Efficiency Grades for Drinking Water Treatment Devices

3 Terms and Definitions

The terms and definitions defined in GB/T 30307, GB/T 33761, GB 34914, and QB/T 5679, as well as the following terms and definitions, apply to this document.

3.1 Continuous water production Under the test conditions specified in GB 34914, after the reverse osmosis and nanofiltration water purifiers reach their rated total water purification capacity, the purified water quality meets the requirements. Furthermore, the amount of clean water that can be continuously produced when the clean water flow rate is $\geq$

0.2 L/min.