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

GB/T 44982-2024

Green product assessment - Domestic ceramic

绿色产品评价 日用陶瓷

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Standardization Administration of the PRC**

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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 is required. 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 was proposed by China Light Industry Federation. This document is under the jurisdiction of the National Technical Committee for Standardization of Daily-Use Ceramics (SAC/TC 405). This document was drafted by: China Light Industry Ceramics Research Institute, China National Institute of Standardization, Fujian Quanzhou Shunmei Group Co., Ltd., Hejiang County Huayi Ceramic Products Co., Ltd., Shenzhen Guoci Yongfengyuan Ceramics Co., Ltd., Zibo Huaguang Guoci Technology and Culture Co., Ltd., China National Testing and Inspection Holding Group Shaanxi Co., Ltd., Guangdong Sitong Ceramics Co., Ltd., Meizhou Xishan Ceramics Co., Ltd., Zhixinlong Technology (Guangdong) Co., Ltd., Shijiazhuang Customs Technology Center. The main drafters of this document are: Huang Huichao, Zhu Yi, Zheng Zeqia, Xiao Shuming, Xu Jian, Bi Qingliang, Ding Shuang, Jiao Hongbin, Cai Yimian, Zhao Lei, Guo Xiaochuan, Zhen Huoqiang, Li Wenjie. Green Product Evaluation Daily Use Ceramics

1 Scope

GB/T 44982-2024 is the Chinese green product assessment standard for domestic ceramics, the tableware and kitchenware that China produces for the world. The environmental case is the familiar one for a fired product, the kiln energy dominates, but domestic ceramics add a direct consumer safety dimension that a tile does not have: the glaze is in contact with food and can release lead and cadmium, so the green criteria and the safety criteria are the same criteria. The standard sets the basic requirements a product must meet before assessment and then the evaluation indicators grouped as resource attributes, energy attributes covering the firing regime and the specific energy, environmental attributes covering the emissions, wastewater and solid waste of the works, and quality attributes covering the thermal shock resistance, the mechanical strength, the

glaze quality and the release of lead and cadmium, each with its limit and verification method, together with the evaluation method and the rules for a claim. It takes effect on 1 June 2025.

This document specifies the evaluation requirements for green daily-use ceramic products and describes the evaluation methods. This document is applicable to the green product evaluation of daily-use ceramics.

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. in this document.

GB/T 3298 Determination of thermal shock resistance of daily-use ceramics

GB/T 3301 Determination of specification error and defect size of daily-use ceramics

GB/T 5000 Terminology of daily-use ceramics

GB 6566 Limits of radionuclides in building materials

GB 12348 Environmental noise emission standard for industrial enterprises

GB/T 16537 Chemical analysis methods for ceramic frit glazes

GB/T 16716 (all parts) Packaging and environment

GB 17167 General rules for the allocation and management of energy metering instruments in energy-consuming units

GB/T 18820 General rules for the compilation of industrial water quotas

GB/T 19001 Quality Management System Requirements

GB/T 23331 Energy Management System Requirements and Usage Guide

GB/T 24001 Environmental Management System Requirements and Usage Guide

GB/T 24789 General rules for the allocation and management of water metering instruments in water-using units

3 Terms and definitions

The terms and definitions defined in GB/T 5000, GB 36890 and GB/T 33761 apply to this document.