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

中华人民共和国国家标准

GB 21456-2014

Replace GB 21456-2008

**Minimum allowable values of the energy
efficiency and energy efficiency grades for
household induction cookers**

家用电磁灶能效限定值及能效等级

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**Standardization Administration of the People's Republic of
China**

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Foreword

Subclause 4.3 in this Standard is mandatory, the rest are recommendatory.

This Standard is drafted according to the rules specified in GB/T 1.1-2009

This Standard will replace GB 21456-2008 *The minimum allowable values of the energy efficiency and energy efficiency grades for household induction cookers*. Comparison with GB 21456-2008, main changes of this Standard are as follows:

- Extended the power range of induction cookers of application standard;
- Added “Normative references”;
- Changed the limit value of efficiency for products;
- Subdivided energy efficiency grade index for induction cookers with different power;
- Changed the test methods.

This Standard is proposed by Resource Saving and Environment Protection Department of National Development and Reform Commission and Energy Saving and Comprehensive Utilization Department of Industry and Information Technology.

This Standard is under the jurisdiction of National Technical Committee (SAC/TC 20) on Energy Fundamentals and Management of Standardization Administration of China.

The responsible drafting organizations are China National Institute of Standardization, China Standard Certification Co., Ltd. Zhejiang Supor Domestic Electrical Appliance Co., Ltd, Guangdong Midea Electric Appliances Co., Ltd, Joyoung Co., Ltd, Vkan Certification & Testing Co., Ltd, China Household Electrical Appliance Research Institute, Shanghai Institute of Quality Inspection and Technical Research, BSH Electrical Appliances (Jiangsu) Co., Ltd, Guangdong Luby Electronic Co., Ltd, Foshan AITING Electric Appliance Co., Ltd, Zhuhai Gree Technology Co., Ltd and Dongguan Qianfeng Electronics Co., Ltd.

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This standard replaces the following historical editions issued:

— GB 21456-2008.

Minimum allowable values of the energy efficiency and energy efficiency grades for household induction cookers

1 Scope

This standard specifies the energy efficiency grades, minimum allowable values of energy efficiency, evaluating values of energy conservation, testing methods and inspection rules for household induction cookers and cookers with the similar functions (hereinafter referred to as “induction cookers”).

This standard is applicable to the induction cookers with one or more heating units. The rated power of each heating unit is 700 W ~ 3500 W.

This standard is not applicable to commercial induction cookers, power frequency induction cookers or concave cookers.

2 Normative references

The articles contained in the following documents have become this document when they are quoted herein. For the dated documents so quoted, all the modifications (Including all corrections) or revisions made thereafter shall be applicable to this document.

GB 4706.14 Household and similar electrical appliances - Safety - Particular requirements for grills toasters and similar portable cooking appliances

GB 4706.22 Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges hobs ovens and similar appliances

GB 4706.29 Household and similar electrical appliances-safety - Particular requirements for portable induction cooker

3 Terms and definitions

For the purpose of this document, the following terms and definitions apply.

3.1

Heating unit

The table surface part of the induction cooker which has independent heating function and

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