

ICS 97.040.20

QB

**LIGHT INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

QB/T 1240-2013

**Household and similar food roasting appliance Toaster, waffle
iron and sandwich grill
(English Translation)**

Issued on: July 22, 2013

Implemented on: December 1, 2013

Issued by: Ministry of Industry and Information Technology of PRC

Table of Contents

Foreword...	3
1 Scope...	5
2 Normative references...	5
3 Terms and definitions...	6
4 Product classification and model nomenclature...	7
5 Requirements...	7
6 Test methods...	10
7 Inspection rules...	15
8 Marking, packaging, transportation, storage...	16
Appendix A (Normative) Standard color scale of browning...	18

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces QB/T 1240-1991 "Household food toaster - Electric oven, bread slice toasters, waffle bakers, sandwich roasting ovens".

The main differences between this standard and QB/T 1240-1991 are as follows:

- DELETE the requirement for the electric oven;
- ADD the contents of preface; DELETE the additional descriptions;
- MODIFY the scope of clause 1; CANCEL the requirements for rated power;
- ADD, DELETE, MODIFY some normative references in clause 2;
- MODIFY the definition of toaster, waffle iron and sandwich grill in clause 3;
- ADD the terms and definitions for standby mode, off mode, browning adjust device;
- MODIFY the clause 4.1 classification and clause 4.2 model nomenclature;
- DELETE the clause 4.3 specifications and basic parameters from the original standard;
- ADJUST the order of the provisions of clause 5 and the test methods in clause 6;

- DELETE the contents of clauses 5.1, 5.2, 5.10, 5.11, 6.2, 6.3, 6.4, 6.12,

6.13 from the original standards;

- ADD the clause 5.1 normal working environment;
- ADD the clause 5.2 safety, the corresponding test method is clause 6.2;
- MODIFY the contents of the clause 5.9 in-appliance material from the original standard; MOVE it into clause 5.3, the corresponding test method is clause 6.3;
- ADD the clause 5.5 standby power consumption and off power consumption, the corresponding test method is clause 6.5;
- MODIFY the clause 5.6 temperature control performance and clause 6.9 test method of the original standard; MOVE them into clause 5.9 and clause 6.9, respectively;
- DELETE the contents of the clause 5.12 durability and the clause 6.11 test Household and similar food roasting appliance
Toaster, waffle iron and sandwich grill

1 Scope

This standard specifies the terms and definitions, product classification and model nomenclature, requirements, test methods, inspection rules, marking, packaging, transportation and storage of household and similar food roasting appliance.

This standard applies to the toaster, waffle iron and sandwich grill for household and similar food roasting appliance which have a rated voltage not exceeding 250 V.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including

all the amendments) are applicable to this standard.

GB/T 1019 General requirements for the package of household and similar electrical appliances

GB 4706.1 Household and similar electrical appliances - Safety - Part 1: General requirements (GB 4706.1-2005, IEC 60335-1:2001, IDT)

GB 4706.14 Household and similar electrical appliances - Safety - Particular requirements for grills toasters and similar portable cooking appliances (GB 4706.14-2008, IEC 60335-2-9: 2006, IDT)

GB 5296.2 Instructions for use of products of consumer interest - Part 2: Household and similar electrical appliances

GB 9684 Hygienic standard for stainless steel food containers and table wares

GB 11333 Hygienic standard for aluminum-ware for food use

GB 13121 Hygienic standard of ceramics for food containers
than 95%;

c) Places without significant vibration, corrosive gases or flammable gases.

5.2 Safety

The product safety as covered by this standard shall comply with the requirements of GB 4706.14.

5.3.1 The in-appliance materials in contact with food shall comply with the relevant national food hygiene standards:

- a) Aluminum products shall comply with the requirements of GB 11333;
- b) Stainless-steel products shall comply with the requirements of GB 9684;
- c) The ceramic products shall comply with the requirements of GB 13121;
- d) Coatings and products of other materials shall comply with the corresponding national standards, industry standards or be certified by the relevant institutions through inspections to prove compliance with the national food hygiene requirements;

5.3.2 After the coating on the sprayed surface is subjected to the cross-cut test,
the number of coating-off grids shall not exceed 5%.

5.4 Timing control performance

For the appliances with timing function, the timing deviation of the timer shall not exceed $\pm 5\%$.

5.5 Power consumption at standby mode and off mode

The power consumption at standby mode and off mode shall be not more than

0.5 W. For the appliances which have the information or state display (including clock) function in the standby mode, the power consumption at standby mode shall be not more than 1 W.

5.6 Roasting performance

When the food is subjected to a roasting test, if the browning is between 4 and

12 in the standard color scale (see Appendix A), the difference in the same

surface shall not be more than 3 chroma. The color difference at the surfaces of foods which are roasted at the same place shall not be more than 3 chroma.

5.7 Roasting time

Squeeze the tape and the coating to achieve maximum bond. Pull one end of the tape up quickly along the perpendicular direction. Along two different directions in the grid area, respectively repeat the above steps 5 times for each, use new tape for each repeated operation.

6.4 Timing control performance

Turn the appliance to the rated voltage, adjust the timer to the maximum timing, measure the time when it automatically cuts off the power.