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

GB 4706.24-2008

**Household and similar electrical appliances -- Safety --
Particular requirements for washing machines
(English Translation)**

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Foreword

All the technical content of this Part is mandatory.

GB 4706 Household and Similar Electrical Appliances - Safety is composed of several parts. Part 1 is general requirements, and the other parts are special requirements.

This is Part 24 of GB 4706. This Part shall be used in conjunction with GB 4706.1-2005 Household and Similar Electrical Appliances - Safety - Part 1. General Requirements.

The part that states "applicable" in this Part indicates that the corresponding clauses in GB 4706.1-2005 are applicable to this Part; the part that states "replacement" or "modification" in this Part shall prevail; the part that states "addition" indicates that in addition to complying with the corresponding clauses in GB 4706.1-2005, the additional clauses in this Part shall also be abided by.

This Part modifies the adoption of IEC 60335-2-7:2008 Household and Similar Electrical Appliances - Safety - Part 2-7. Particular Requirements for Washing Machines.

In comparison with IEC 60335-2-7, this Part has the following main difference.

---In 3.1.9, the water temperature is modified into. $50\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$ for appliances without heating elements.

This Part serves as a replacement of GB 4706.24-2000 Safety of Household and Similar Electrical Appliances - Particular Requirements for Washing Machines.

In comparison with GB 4706.24-2000, this Part has the following main differences.

---Chapter 2 "Normative References" is added.

- In 3.1.9, the load of cotton with dimensions 900 mm x 900 mm is added.
- 5.2 is added.
- 5.3 added. the tests of 21.101 and 21.102 are performed before the tests of Chapter 18; the test of 22.104 is performed after the tests of Chapter 18.
- 6.1 is modified. the appliances shall be divided into three types. Type-I, Type-II or Type-III.
- 7.12.1 is modified. for washing machines with ventilation openings in the base, it shall be indicated in the installation instructions that the openings must not be obstructed by a carpet.
- 15.2 added. the spillage test is applicable to all washing machines.
- 18.101 and 18.102 are added.
- 19.13 added. if the appliance can still be operated, it shall comply with the relevant requirements of 20.103 ~ 20.105.
- 20.1 is modified. the appliance is emptied or filled as specified for normal operation, whichever is more unfavorable; doors and lids are closed, and any castors are turned to the most unfavorable position.
- 20.102 load unbalance test is added.
- 20.103 is modified. the door or lid shall have an interlocking device, so that the appliance can only be operated when the door or lid is closed.
- 20.104 and 20.105 are added.
- 21.101 and 21.102 are added.
- 22.101 is modified. the structure of the appliance shall enable that when the water level is above the lower edge of the door (when opening), the door shall not be opened through a simple action while the appliance is being operated.
- 22.104 and 22.105 are added.
- 24.1.4.the number of cycles of programmer operations is modified.
- 29.2 is added.
- Appendix CC and Appendix DD are added.

In this Part, Appendix AA, Appendix BB, Appendix CC and Appendix DD are normative.

This Part was proposed by China National Light Industry Council.

This Part shall be under the jurisdiction of National Technical Committee 46 on Household Appliances Condenser of Standardization Administration of China (SAC/TC 46).

The main drafting organizations of this Part. China Household Electric Appliance Research Institute; Qingdao Haier Washing Machine Co., Ltd.; BOSCH Home Appliance (Jiangsu) Co., Ltd.; Wuxi Little Swan Company Limited; Ningbo Changer Electron Co., Ltd.; Zhejiang More Electric Appliances Co., Ltd.; Ningbo Xinle Household Appliances Co., Ltd.; Ningbo Jide Electrical Appliance Co., Ltd.; Ningbo Lesli Group Co., Ltd.; Baoerma Electrical Group Co., Ltd.

1 Scope

This Chapter in GB 4706.1-2005 is replaced by the following content.

This Part is applicable to the safety of household and similar electric washing machines for washing clothes and textiles. The rated voltage of single-phase appliances does not exceed 250 V; the rated voltage of other appliances does not exceed 480 V.

This Part is also applicable to the safety of household and similar electric washing machines that use electrolyte instead of detergent. The additional requirements of such appliances are shown in Appendix CC.

NOTE 101: for washing machines equipped with a power-driven wringer, it shall be ensured that their electrical protection and thermal hazards reach the requirements of an acceptable level, see Appendix DD for guidance.

In terms of appliances not intended for normal household use, as long as they may be dangerous to the public, for example, appliances used by the infirm in shops, or used in light industry and agriculture are included in the scope of this Part.

NOTE 102: for example, washing machines for public use in residential areas or laundry rooms.

This Part involves general hazards arising from appliances that all people may