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NATIONAL STANDARD OF
THE PEOPLE'S REPUBLIC OF CHINA

ICS 97.100

K 61

GB 4706.61-2008 / IEC 60335-2-54:2007 (Ed 3.2)

Replacing GB 4706.61-2002

**Household and similar electrical appliances - Safety -
Particular requirements for surface-cleaning appliances
for household use employing liquids or steam**

(IEC 60335-2-54:2007 (Ed 3.2), IDT)

家用和类似用途电器的安全

使用液体或蒸汽的家用表面清洁器具的特殊要求

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Issued on: December 30, 2008

Implemented on: March 1, 2010

**Issued by: General Administration of Quality Supervision, Inspection
and Quarantine;**

Standardization Administration Committee.

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Foreword

All technical content of this Part is mandatory.

GB 4706 *Safety of household and similar electrical appliances* consists of several parts. GB 4706.1-2005 is general requirements. Other parts are particular requirements.

This Part is Part 61 of GB 4706. This Part shall be used in conjunction with GB 4706.1-2005 *Household and Similar Electrical Appliances - Safety - GB 4706.1-2005: General Requirements*.

The section indicated with “Application” in this Part means that the corresponding terms of GB 4706.1 are applicable to this Part. The section indicated with “Replacement” or “Modification” in this Part means that this Part shall prevail. The section indicated with “Addition” means that in addition to corresponding terms of GB 4706.1, it shall also comply with the terms added in this Part.

This Part identically uses IEC 60335-2-54:2007 *Household and similar electrical appliances - Safety - Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam* (Edition 3.2).

This Part replaces GB 4706.61-2002 *Safety of household and similar electrical appliances - Particular requirements for surface-cleaning appliances employing liquids*.

The main differences between this Part and GB 4706.61-2002 are as follows:

- added wallpaper strippers in Clause 1;
- added 3.101;
- added 16.3: Current-carrying hoses, except for their electrical connections, are immersed for 1 h in water containing approximately 1% NaCl and having a temperature of $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$. While the hose is still immersed, a voltage of 2000 V is applied for 5 min between each conductor and all the other conductors connected together. A voltage of 3000 V is then applied for 1 min between all the conductors and the saline solution;
- added 29.2: The microenvironment is pollution degree 3 unless the insulation is enclosed or located so that it is unlikely to be exposed to pollution during normal use of the appliance.

This Part was proposed by China Light Industry Federation.

Household and similar electrical appliances - Safety - Particular requirements for surface-cleaning appliances for household use employing liquids or steam

1 Scope

This clause of GB 4706.1-2005 is replaced by the following.

This Part deals with the safety of electric cleaning appliances for household use that are intended for cleaning surfaces such as windows, walls and empty swimming pools by using liquid cleansing agents or steam, their rated voltage being not more than 250 V. It also covers wallpaper strippers.

NOTE 1 Appliances may incorporate heating elements or means for pressurizing the liquid container.

As far as is practicable, this Part deals with the common hazards presented by appliances that are encountered by all persons in and around the home. However, in general, it does not take into account

- persons (including children) whose
 - physical, sensory or mental capabilities; or
 - lack of experience and knowledge

prevents them from using the appliance safely without supervision or instruction;

- children playing with the appliance.

NOTE 2 Attention is drawn to the fact that

- for appliances intended to be used in vehicles or on-board ships or aircraft, additional requirements may be necessary;
- in many countries, additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labor, and similar authorities.

NOTE 3 This Part does not apply to

Annexes

The annexes of GB 4706.1-2005 are applicable.

Bibliography

The bibliography of GB 4706.1-2005 is applicable except as follows.

Addition:

GB 4706.57, *Household and similar electrical appliances - Safety - Particular requirements for floor treatment machines and wet scrubbing machines* (GB 4706.57-2002, IEC 60335-2-10:1992, IDT)

GB 4706.89, *Safety of household and similar electrical appliances - Particular requirements for high pressure cleaners and steam cleaners for industrial and commercial use* (GB 4706.89-2008, IEC 60335-2-79:1995, IDT)

GB 4706.84, *Household and similar electrical appliances - Safety - Part 2: Particular requirements for fabric steamers* (GB 4706.84-2007, IEC 60335-2-85:1997, IDT)

GB/T 2893.1, *Graphical symbols - Safety colors and safety signs - GB 4706.1-2005: Design principles for safety signs and safety markings* (GB/T 2893.1-2004, ISO 3864-1:2002, MOD)

ISO 13732-1, *Ergonomics of the thermal environment - Methods for the assessment of human responses to contact with surfaces - GB 4706.1-2005: Hot surfaces*

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