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GB 4706.81-2014 / IEC 60335-2-101:2008

Replacing GB 4706.81-2006

Household and similar electrical appliances - Safety - Particular requirements for vaporizers

(IEC 60335-2-101:2008, Household and similar electrical appliances - Safety -
Part 2: Particular requirements for vaporizers, IDT)

家用和类似用途电器的安全

挥发器的特殊要求

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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. Part 1 is general requirements while the rest parts are particular requirements.

This Part is the 81st part of GB 4706. This Part shall be used together with GB 4706.1-2005 Household and Similar Electrical Appliances - Safety - Part 1: General Requirements.

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

This Part replaces GB 4706.81-2006 Household and similar electrical appliances - Safety-Particular requirements for vaporizers.

The main differences between this Part and GB 4706.81-2006 are as follows:

- 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.

- in 21.101, use an appliance of which the media is not installed to carry out the free-fall test according to procedure 2 specified in GB/T 2423.8.
- in NOTE 101 of 23.3, it clearly specifies “A rotation is one movement, either clockwise or anticlockwise”.
- in NOTE 101 of 32, it specifies “The toxicity of vaporizing materials is controlled by national legislation”.

This Part uses translation method to make it identical with IEC 60335-2-101 *Household and similar electrical appliances - Safety - Part 2: Particular requirements for vaporizers*.

Please note that some of the contents of this document may be related to patents. The issuer of this document does not assume responsibility for identifying such patents.

This Part was proposed by China Light Industry Association.

Household and similar electrical appliances - Safety - Particular requirements for vaporizers

1 Scope

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

This Part of GB 4706 deals with the safety of electric vaporizers for household and similar purposes, their rated voltage being not more than 250 V.

NOTE 101 Examples of appliances that are within the scope of this Part are air fresheners and insect repellents. They may be plugged directly into a socket-outlet or connected to the supply mains by means of a flexible cord and plug.

Appliances not intended for normal household use but which nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops, in light industry and on farms, are within the scope of this Part.

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 102 Attention is drawn to the fact that

- for appliances 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 labour, and similar authorities.

NOTE 103 This Part does not apply to

- appliances intended exclusively for industrial purposes;

Bibliography

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

Addition:

- [1] GB 4706.19, Household and similar electrical appliances - Safety - Particular requirements for heating liquids
- [2] GB 4706.48, Household and similar electrical appliances - Safety - Particular requirements for humidifiers
- [3] GB 4706.76, Household and similar electrical appliances - Safety - Particular requirements for insect killers
- [4] GB 4706.84, Household and similar electrical appliances - Safety - Part 2: Particular requirements for fabric steamers
- [5] IEC 60335-2-98, Household and similar electrical appliances - Safety - Part 2-98: Particular requirements for humidifiers
- [6] ISO 13732-1, Ergonomics of the thermal environment - Methods for the assessment of human responses to contact with surfaces - Part 1: Hot surfaces

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