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

GB/T 19413-2010

**Unitary air-conditioners for computer and data processing
room**

(English Translation)

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Foreword

This document was drafted in accordance with the provisions of GB/T 1.1-2020

"Directives for standardization - Part 1.Rules for the structure and drafting of standardizing documents".

This document replaces QB/T 4839-2015 "Upholstered furniture - Foam mattress".

Compared with QB/T 4839-2015, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) ADD the requirements for zippers (see Table 3 No.19, 20, 21, 22);
- b) ADD the requirements for textile fabric physicochemical properties. pilling performance requirements (see Table 3 No.23);
- c) ADD the physical properties of soft polyurethane foam plastic core material. compression permanent deformation (see Table 3 No.26);
- d) CHANGE the physical properties of slow-rebound soft polyurethane foam plastic core material. recovery time (see Table 3 No.36; Table 3 No.25 of the 2015 edition);
- e) ADD the latex core material composition and heavy metal content (see Table 3 No.41, 42);

- f) CHANGE the indicator requirements and test methods of mattress formaldehyde emission (see Table 3 No.44 and 6.19; Table 3 No.36 and 6.15 of the 2015 edition);
- g) ADD the mattress benzene emission, toluene emission, xylene (sum of o-, m-, p-) emission, total volatile organic compound (TVOC) emission (see Table 3 No.45, 46, 47, 48);
- h) CHANGE the mite inhibition rate (see Table 3 No.50; Table 3 No.38 of the 2015 edition);
- i) ADD the durability (edge) grading (see Table 3 No.52);
- j) ADD the odor (see Table 3 No.53).

This document was proposed by China Light Industry Federation.

This document shall be under the jurisdiction of the National Technical Committee for Furniture Standardization (SAC/TC 480).

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Inspection Institute, Qingdao Product Quality Inspection Institute, China Quality Certification Center, Shenzhen Sai De Testing Technology Co., Ltd., SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch, Dongguan Jinhui Testing Equipment Manufacturing Co., Ltd., Hebei Shengyounuo Home Products Co., Ltd., Jiangsu Aidefu Latex Products Co., Ltd., Jiangsu Jinyingtai Latex Products Co., Ltd., Foshan Haima Furniture Co., Ltd., Foshan Suilong Furniture Co., Ltd., Zhangzhou Xinhua Cheng Machinery Manufacturing Co., Ltd.

1 Scope

This document specifies the requirements for dimensional deviation, fabric, physical properties, etc. of foam mattresses; describes the corresponding test methods; specifies the inspection rules, marking, instructions for use, packaging, transportation and storage; provides symbols and product classifications that facilitate technical provisions. This document is applicable to the quality inspection and quality determination of foam mattresses with a thickness of not less than 130 mm; it is used as a reference for foam mattresses with a thickness of less than 130 mm.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in the text. Among them, for dated references, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies to this document.

GB/T 2828.1-2012 Sampling procedures for inspection by attributes - Part 1.

Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

GB/T 3920-2008 Textiles - Tests for color fastness - Color fastness to rubbing

GB/T 4802.2 Textiles - Determination of fabric propensity to surface fuzzing and to pilling - Part 2. Modified Martindale method

GB/T 5296.6 Instructions for use of products of consumer interest - Part 6. furniture

GB/T 6344-2008 Flexible cellular polymeric materials - Determination of tensile

strength and elongation at break

GB/T 6669-2008 Flexible cellular polymeric materials - Determination of
compression set

GB/T 6670-2008 Flexible cellular polymeric materials - Determination of resilience
by ball rebound

GB/T 9345.1-2008 Plastics - Determination of ash - Part 1.General methods

3.1 Terms and definitions

The terms and definitions as defined in QB/T 1952.2, as well as the following terms and definitions, apply to this document.

3.1.1

Foam mattress

A mattress product made of natural latex, synthetic latex, polyurethane and other materials, which are formed by foaming process as the main core material and covered with fabric or composite fabric.

3.1.2

Ash content

The incombustible components left after burning of latex or polyurethane materials in foam mattresses (3.1.1).

3.2 Symbols

The following symbols apply to this document, as shown in Table 1.

4.1 Classification by main design dimensions of the product

See Table 2 for the classification by main design dimensions of the product.

4.2.1 Latex mattress

Mattress with natural or synthetic latex material as the core (core material) and covered with fabric or other materials on the surface.