

HJ

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

HJ 2536-2014

Replacing HJ/T 313-2006

Technical requirement for environmental labeling products (English Translation)

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Appendix B (normative) restricting the use of polycyclic aromatic hydrocarbons (PAHs)

Foreword

To implement the "People's Republic of China Environmental Protection Law", reducing microcomputer display products in the production and use of ring Environmental and human health effects, environmental protection, development of this standard.

This standard microcomputer display products of environmental protection design, product production stage, product limits of restricted substances, and can Consumption, noise, product packaging and product description and other aspects of the request.

The standard reference to American Association of Electrical and Electronic Engineers (IEEE) Standard No. 1680, Japan Environment Association environmental labeling Affairs' Health State flag Category NO.119 "" "Personal Computers, Version 2.4"; Nordic Swan eco-labeling standards Nordic Ecolabeling of Computer, Version6.1; Swedish TCO standard "TCO Certified Desktops 3.0", "TCO Certified Displays 5.2 "; on the" technical requirements for environmental labeling products microcomputer monitor "(HJ/T 313-2006) has been revised.

Compared with this standard HJ/T 313-2006 main changes are as follows.

- Increase the production process must not use phosphorus requirements degreasing agent and coating liquid;
- An increase of polycyclic aromatic hydrocarbons (PAHs) requirements;
- Adjust the product's energy requirements;
- Adjust the product noise requirements;
- Cancel the CRT monitor and requirements, increasing the display backlight limit requirement in mercury;

- Cancel the original standard list appendix corporate statement.

This standard applies to Chinese environmental product certification mark.

This standard is developed by the Ministry of Environmental Protection Science, Technology organization.

This standard is mainly drafted by. Ministry of Environmental Protection and Development Center.

This standard MEP March 31, 2014 for approval.

This standard from July 1, 2014 implementation.

The standard explanation by the Ministry of Environmental Protection.

This standard replaces the standards previously issued as follows.

--HJ/T 313-2006, HBC 15-2002, HJ BZ 26-1998.

Environmental labeling products technical requirements for micro-computers, monitors

1 Scope

This standard specifies the terms and definitions microcomputer monitor eco-labeled products, basic requirements, technical contents, and testing method.

This standard applies to desktop microcomputer (including in-one desktop microcomputer), a portable computer, a tablet computer device, Network computers, workstations and computer monitors.

2 Normative references

This standard refers to the contents of the following documents contain provisions which, undated references, the effective version applies to this standard.

GB 20943 single output AC - DC and AC - AC external power supply energy efficiency of limited value and energy conservation evaluation values GB 21520 computer monitor energy efficiency limit value and energy efficiency rating GB 28380 microcomputer energy efficiency limit value and energy efficiency rating GB/T 9813 General specification for microcomputer Measurement GB/T 18313 Acoustics IT and telecommunications equipment air noise GB/T 16288 plastic signs GB/T 18455 Packaging Recycling Marks GB/T 26572 Limited restricted substances in electrical and electronic equipment requirements HJ/T 238 technical requirements for environmental labeling products of rechargeable batteries HJ/T 239 environmental labeling products technical requirements for batteries

3 Terms and Definitions

GB/T 9813 established, and the following terms and definitions apply to this standard.

3.1 Microcomputer

On the basis of microcomputer hardware system, the configuration entities necessary peripherals and software configuration.

3.2 Display liquid crystal display device

Often referred to as a monitor. The computer I/O devices, i.e., input and output devices.

3.3 Network Computer thin client

A connecting to remote computing resources to obtain the major features and functions of a computer having an independent power supply. Main computing (for example, Cheng Order execution) by the remote computing resources, data storage, interaction with other Internet resources available.

4 Basic requirements

4.1

Quality, safety, electromagnetic compatibility shall comply with the relevant standards.

4.2

Pollutant emission of the pollutant emission standards should be consistent with the requirements of national or local regulations.

4.3

products manufacturing enterprises in the production process should strengthen cleaner production.

5.1.1 Easy to recycle design

5.1.1.1

mass greater than 25g plastic parts should be used homopolymers or copolymers.

5.1.1.2

mass greater than 25g types of plastic parts used in the homopolymer or copolymer should not exceed four categories, and easy to disassemble.

5.1.1.3

In addition to the display surface area of the optical fiber, optical unit mass greater than

25g, and the maximum plane than 200mm² plastic Parts should be in accordance with GB/T 16288 requirements indicated.

5.1.1.4

Desktop microcomputer (excluding one desktop microcomputer) optical drive, hard disk, main memory can be upgraded, the product should have expansion slots.

5.1.1.5

In addition to the wireless device, the power adapter housing, the product can be disassembled with common tools. Printed circuit boards, optical drives and other portions Member should be separated from the base, shell and other components.

5.1.1.6

portable computers and Tablet microcomputer products can recycling rate of not less than 80%, and other products renewable Lee with a rate of not less than 85%.

5.1.2 Parts of hazardous substances requirements

5.1.2.1

product mass greater than 25g plastic parts shall not use SCCPs (SCCPs), six HBCD (HBCDD), Medium-chain chlorinated paraffins (MCCP) (for MCCP requirement July 1, 2015 started).

5.1.2.2

The use of the computer's motherboard substrate may not use six HBCD (HBCDD).

5.1.2.3

mass greater than 25g plastic parts shall not be used phthalates listed in Appendix A as a plasticizer.

Shell, keyboards and all kinds of buttons, mouse shell, a touchpad and an external power supply line of benzo (a) pyrene content of the product shall not exceed 5.1.2.4 Over 20 mg/kg, and is set out in Appendix B of 16 polycyclic aromatic hydrocarbons (PAHs) total content shall not exceed 200 mg/kg.

5.1.2.5

monitor backlight mercury content should be less than 3mg.

5.1.2.6

product comes with batteries should be consistent with HJ/T 238 or HJ/T 239 standard.