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

HJ 573-2010

**Technical requirement for enviromental labeling products.
Ink-jet cartridge**

环境标志产品技术要求 喷墨盒
(English Translation)

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Table of Contents

Foreword
1 Scope of application
2 Normative references
3 Terms and definitions
4 Basic requirements
5 Technical content
5.1 Product Environmental Design Requirements
5.2 Plastic parts requirements Note 1
5.3 Ink requirements
5.4 Requirements for release of hazardous substances
5.5 Recycling and disposal
5.6 Packaging materials
5.7 Production process requirements
5.8 Public Information Requirements
6 Test methods

Foreword

To implement the "Environmental Protection Law of the People's Republic of China" and the "Circular Economy Promotion Law of the People's Republic of China" this standard is formulated for the impact on human health and the environment during use and disposal, and the promotion of the use of environmentally friendly products.

This standard sets forth requirements for toxic and hazardous substances in the inkjet cartridge and environmental design, recycling and reuse, and public information.

This standard refers to the standard of the "Environmental Mark Type No. 142" "Ink Cartridge Version 1.0.2008" of the Environmental Labeling Bureau of the Japan Environmental Association.

Order.

This standard applies to China Environmental Labeling Product Certification.

This standard was formulated by the Science and Technology Standards Department of the Ministry of Environmental Protection.

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

Environmental Protection, National Office Equipment and Consumables Quality Supervision and Inspection Center, Zhuhaitian Weifei Ma Printing Supplies Co., Ltd., China Hewlett-Packard Co., Ltd., Canon (China) Co., Ltd., Epson (China) Co., Ltd., Rui Slim International Technology Co., Ltd., Ricoh Co., Ltd., Brother (China) Commercial Co., Ltd., Zhuhai Nasida Enterprise Management Co., Ltd.

the company.

This standard was approved by the Ministry of Environmental Protection on May 4, 2010.

This standard has been implemented since July 1, 2010.

This standard is explained by the Ministry of Environmental Protection.

Environmental Labeling Product Technical Requirements

1 Scope of application

This standard specifies the terms and definitions, basic requirements, technical contents and inspection methods of inkjet cartridge environmental labeling products.

This standard applies to inkjet cartridges using inkjet imaging technology equipment, including new inkjet cartridges and remanufactured inkjet cartridges.

This standard does not apply to inkjet equipment used for continuous printing speeds greater than 60 pages/min and printing speeds greater than 70 pages/min.

box.

2 Normative references

The contents of this standard refer to the terms in the following documents. For undated references, the valid version applies to this standard.

GB 18455 packaging recycling mark GB/T 16288 logo for plastic products GB/T 20861-2007 Waste product recycling terminology HJ 567 environmental labeling product technical requirements inkjet ink HJ/T 424-2008 Environmental Labeling Products Technical Requirements Digital Multifunction Copying Equipment SJ/T 11363 Limitation requirements for toxic and hazardous substances in electronic information products

3 Terms and definitions

The following terms and definitions apply to this standard.

Inkjet cartridge

A component that provides ink for devices that use inkjet printing technology.

New inkjet cartridge new ink-jet cartridge Newly manufactured inkjet cartridges from new

parts or parts made of new parts and guaranteed to have the same quality as new parts.

Remanufactured ink-jet cartridge After use, the inkjet cartridge is cleaned, repaired or replaced, reassembled, filled, etc. to restore the original function of the inkjet cartridge.

Use reuse again

The waste product or its components, continue to be used or cleaned, repaired and continue to be used for the original purpose.

(GB/T 20861-2007)

Recycling

Disposal of waste products to enable them to be reused as raw materials, but does not include the recovery and reuse of energy.

(GB/T 20861-2007)

Energy recovery

The process of recycling waste products by incineration, pyrolysis, etc. to recover energy.

(GB/T 20861-2007) 3.7 Recoverability rate the sum of the quality of the new product that can be recycled (including the reused portion, the recycled portion, and the energy recovery portion) the percentage of product quality. (GB/T 20861-2007) 3.8 Polymer A compound obtained by repeating attachment of one or several single compound monomers via a covalent bond via polymerization.

Copolymer

A polymer obtained by polymerization of two or more different monomers.

3.10

Polymer blend

A physical mixture of two or more polymers having different molecular structures.

4 Basic requirements

4.1

Product quality should meet the requirements of the corresponding product quality standards.

4.2

Pollutant emissions from product manufacturing enterprises shall comply with the requirements of national or local pollutant discharge standards.

4.3

Product manufacturers should strengthen clean production in the production process.

5.1 Product Environmental Design Requirements

5.1.1

The components, structures and functions used in the design of the product shall not impede the reuse of the product.

5.1.2

The recyclability of the new inkjet cartridge should be above 95% (mass fraction and the quality of the ink should be removed).

5.1.3

Polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE) or chlorinated alkanes (specifically referred to as chain carbon) shall not be used in the product.

An alkane compound having a chlorine content of 50% or more).

5.1.4

There are design requirements for the use of reusable components.

5.1.5

For parts that are not easily peeled off, use the same material as the adhesive part or the material that does not affect recycling.

5.2 Plastic parts requirements Note 1

5.2.1

Chlorine-containing plastics shall not be used in the outer casing of the product.

5.2.2

The type of polymer, copolymer or blend polymer used in the outer casing of the product shall not exceed 4 and is easily decomposed.

5.2.3

The content of lead (Pb), cadmium (Cd), mercury (Hg) and hexavalent chromium (Cr6) in plastic parts shall comply with the requirements of SJ/T 11363.

begging.

5.2.4

The marking on plastic parts with a mass exceeding 25 g and a surface area exceeding 200 mm² shall meet the requirements of GB/T 16288.