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

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**Technical requirement for environmental labeling products.
Paper shredder
(English Translation)**

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Foreword

To implement the Environmental Protection Law of the People's Republic of China, reduce the environment and people in the process of production, use and disposal of shredder products.

This standard is developed for the impact of physical health.

This standard applies to the energy consumption (carbon dioxide emissions), noise and product back of the shredder product design stage, production process, and use stage.

The request for acceptance was made.

This standard is the first release.

This standard applies to China Environmental Labeling Product Certification and China Environmental Labeling Low Carbon 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. China-Japan Friendship Environmental Protection Center, National Cultural and Educational Products Quality Supervision and Inspection Center, and National Office Preparation and consumables quality supervision and inspection center, Shenzhen Institute of Metrology and Quality Inspection.

This standard was approved by the Ministry of Environmental Protection on March 30, 2012.

This standard has been implemented since June 1, 2012.

This standard is explained by the Ministry of Environmental Protection.

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Environmental labeling product technical requirements shredder

1 Scope of application

This standard specifies the terms and definitions, basic requirements, technical content and inspection methods of shredder environmental labeling products.

This standard applies to household and office shredders.

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/T 455-2002 Determination of tearing of paper and paperboard GB/T 4214.1-2000 - Test methods for noise of household appliances and similar appliances - Part 1 . General requirements GB/T 10739-2002 Standard atmospheric conditions for the treatment and testing of paper, board and pulp samples GB/T 16288 logo for plastic products GB/T 18455 packaging recycling mark GB/T 26572 Limit requirements for restricted substances in electrical and electronic products QB/T 2342-2006 copy paper

3 Terms and definitions

The following terms and definitions apply to this standard.

3.1 Shredder paper shredder

A device that pulverizes paper or other forms of information carriers by a motor through a belt, gear, or the like to transfer energy to a paper cutter.

3.2 Standby state standby mode

The product is turned on and the power is not being pulverized.

3.3 Working mode active mode

The state in which the product is powered on for pulverization.

4 Basic requirements

4.1

Product quality and safety should meet the requirements of the corresponding 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 Protection Design Requirements

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5.1.1 Easy to disassemble design

The product should be disassembled using universal tools and broken down into reusable parts.

5.1.2 Easy to recycle design

5.1.2.1

Plastic parts with a mass exceeding 25g or a planar surface area exceeding 200mm² shall be used in a single type of polymer or copolymerized.

Compound.

5.1.2.2

Plastic parts with a mass exceeding 25g or a surface area exceeding 200mm² shall be marked in accordance with the requirements of GB/T 16288.

5.1.2.3

Product design should consider categorizing the collection of different media.

5.1.3 Product Energy Saving Design

The product should be designed with a switch that disconnects the power supply.

5.1.4 Requirements for hazardous substances in parts and components

SCCPs shall not be added to plastic parts and shall not exceed 0.1% of the total plastic parts.

5.2 Product production stage requirements

5.2.1

Hydrochlorofluorocarbons (HCFCs), 1,1,1-trichloroethane ($C_2H_3Cl_3$), carbon tetrachloride (CCl_4), dichloroethane should not be used.

(CH_3CHCl_2), dichloromethane (CH_2Cl_2), chloroform ($CHCl_3$), trichloroethylene (C_2HCl_3), bromopropane (C_3H_7Br), A A substance such as benzene (C_7H_8) or xylene ($C_6H_4(CH_3)_2$) is used as a cleaning solvent.

5.2.2

Lead-free soldering process should be used during component assembly and connection.

5.3 Product energy requirements

5.3.1

The energy consumption in standby mode should meet the requirements of Table 1.

Table 1 Energy consumption requirements of the product in standby mode Unit. W

China Environmental Labeling Products China Environmental Labeling Low Carbon Products no display function in standby mode ≤ 1.0 ≤ 0.5 Display function ≤ 2.0 ≤ 1.0

5.3.2

The energy consumption under the working condition of the product shall comply with the requirements of Table 2.

Table 2 Energy consumption requirements of the product under working conditions Unit. Wh/?

China Environmental Labeling Products China Environmental Labeling Low Carbon Products Energy consumption ≤ 0.080 ≤ 0.060 under working condition

5.4 Product noise requirements

The sound power level noise limit under the working condition of the product shall not exceed 70dB(A).