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

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**Technical requirement for environmental labeling products.
Mobile hard disk drive
(English Translation)**

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Foreword

To implement the Environmental Protection Law of the People's Republic of China, reduce the impact of mobile hard disk on the environment and human health during production and use.

Sound, protect the environment, and develop this standard.

This standard sets environmental requirements for the design, production process, products, recycling and handling, packaging materials and public information of mobile hard drives.

This standard is the first release.

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. China-Japan Friendship Environmental Protection Center.

This standard was approved by the Ministry of Environmental Protection on March 2, 2011.

This standard has been implemented since April 1, 2011.

This standard is explained by the Ministry of Environmental Protection.

Environmental labeling product technical requirements mobile hard disk

1 Scope of application

This standard specifies the terms and definitions, basic requirements, technical content and testing methods of mobile hard disk environmental labeling products.

This standard applies to mobile hard disk products.

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 18455 packaging recycling mark 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.

Mobile hard disk drive A portable data storage device. The device is mainly used for data storage, and the magnetic medium hard disk is used as a storage carrier.

The communication method determined by the USB interface or the like is connected to a data processing device such as a computer, and the data access and management functions are conveniently completed.

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 national or local standards for pollutant discharge.

4.3

Product manufacturers should strengthen clean production in the production process.

5.1 Product Design Requirements

5.1.1

The product adopts a detachable design.

5.1.2

DecaBDE (DBDPO) and short chain chlorinated paraffins (SCCPs) shall not be used for plastic parts in the product.

5.2 Production process requirements

The production process shall not use hydrochlorofluorocarbons (HCFCs), 1,1,1-trichloroethane ($C_2H_3Cl_3$), trichloroethylene (C_2HCl_3), Dichloroethane (CH_3CHCl_2), chloroform ($CHCl_3$), bromopropane (C_3H_7Br), n-hexane (C_6H_{14}), toluene (C_7H_8), two Toluene ($C_6H_4(CH_3)_2$).

5.3 Product requirements

Lead (Pb), cadmium (Cd), mercury (Hg), hexavalent chromium (Cr6), polybrominated biphenyls (PBBs) and polybrominated diphenyls in products and product components the limits for six hazardous substances (PBDEs) should meet the requirements of SJ/T 11363, with the following exceptions.

- a) lead in high melting point solders;
- b) lead in electronic ceramic components;
- c) The lead content in the steel alloy does not exceed 0.35%, the lead content in the aluminum alloy does not exceed 0.4%, and the lead content in the copper alloy does not exceed 4%.

5.4 Packaging material requirements

5.4.1

The content of vinyl chloride monomer shall not exceed 1 mg/kg.

5.4.2

Hydrochlorofluorocarbons (HCFCs) should not be used as blowing agents.

5.4.3

It should be marked in accordance with GB/T 18455.

5.5 Recycling and disposal requirements

Enterprises should establish waste product recycling and recycling treatment systems to provide information on product recycling and recycling.

5.6 Public information requirements

Product recycling information should be included in the public information.

6 Test methods

The technical content is verified by means of document review combined with on-site inspection.