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

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**Technical requirement for environmental labeling products.
Voice recorder
(English Translation)**

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Foreword

To implement the Environmental Protection Law of the People's Republic of China, reduce the environmental and human health of the recorder products during production and use.

The impact of protecting the environment and the development of this standard.

This standard sets requirements for the design, production process and content of harmful substances in the recorder.

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 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 Recording Pen

1 Scope of application

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

This standard applies to recorders that use flash memory as a storage medium. Other devices that include a flash memory function module Reference execution.

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 GB/T 26572 Limit requirements for restricted substances in electrical and electronic products HJ/T 238 Environmental Labeling Product Technical Requirements Rechargeable Battery HJ/T 239 Environmental Labeling Product Technical Requirements Dry Battery

3 Terms and definitions

The following terms and definitions apply to this standard.

3.1 Recorder voice recorder

The main function is a digital device for recording. The recording is performed by digitally converting the analog signal by sampling and encoding the analog signal.

The converter converts to a digital signal and performs a certain compression process for storage.

3.2 Flash memory flash memory

A rewritable memory device that does not lose data in the event of a power outage.

4 Basic requirements

4.1

Product quality 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

5.1.1

Short-chain chlorinated paraffins (SCCPs) and hexabromocyclododecane (HBCD) shall not be added to plastic parts.

5.1.2

The rechargeable battery that comes with the product should meet the requirements of HJ/T 238, and the dry battery should meet the requirements of HJ/T 239.

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5.2 Product production stage requirements

Do not use hydrochlorofluorocarbons (HCFCs), 1,1,1-trichloroethane ($C_2H_3Cl_3$), trichloroethylene (C_2HCl_3), dichloroethane (CH_3CHCl_2), dichloromethane (CH_2Cl_2), chloroform ($CHCl_3$), carbon tetrachloride (CCl_4), bromopropane (C_3H_7Br) the substance is used as a cleaning solvent.

5.3 Requirement of hazardous substances in products

Lead (Pb), cadmium (Cd), mercury (Hg), hexavalent chromium (Cr6), polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) in products the content of the six types of hazardous substances should meet the requirements of GB/T 26572 standard.

5.4 Product Packaging Requirements

5.4.1

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

5.4.2

The total amount of heavy metals such as lead, cadmium, mercury and hexavalent chromium in packaging and packaging materials shall not exceed 100 mg/kg.

5.4.3

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

5.5 Product Description Requirements

Product descriptions must be sold with the product and should include the following.

- 1) Description of how the product saves electricity;
- 2) Recycling and disposal recommendations for battery use;
- 3) Product recycling information.

6 Test methods

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