

ICS 35.220.30
CCS L 64

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

HJ 2511-2012

**Technical requirement for environmental labeling products.
Digital disc player
(English Translation)**

Issued on: January 1, 1970

Implemented on: January 1, 1970

Issued by: Ministry of Ecology and Environment

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Foreword

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

Sound, develop this standard.

This standard applies to the toxic and hazardous substances involved in the design and production process of the disc player, as well as the energy consumption and recycling during the use phase of the product.

The requirements are raised in terms of utilization.

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.

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

1 Scope of application

This standard specifies the terms and definitions, basic requirements, technical contents and inspection methods of environmental labeling products for video disc machines.

This standard applies to digital versatile disc players, Blu-ray disc players, DVD playback and recorders, etc.

Use a portable video player with display function.

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 8898 Safety requirements for audio, video and similar electronic equipment GB 13837 Limitation and measurement methods for radio disturbance characteristics of sound and television broadcast receivers and related equipment 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 HJ/T 239 Environmental Labeling Product Technical Requirements Dry Battery IEC 62087 Methods for measuring the energy consumption of audio, video and related equipment

3 Terms and definitions

The following terms and definitions apply to this standard.

3.1 Video player digital versatile disc player

Video disc playback device whose function is to read the information recorded on the disc and process it (demodulation and decoding) to simulate or digital Mode output.

3.2 Operating state on mode

The process of connecting a product to a power source, playing or burning internal or external signals.

3.3 Standby mode standby mode

The product is connected to the power supply, does not perform any mechanical functions (such as. playback, recording), does not produce video or audio output signals, However, the remote control device or internal signal can be used to convert to the minimum power state of the power-on mode.

4 Basic requirements

4.1

Product quality should meet the requirements of the corresponding standards.

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4.2

Product safety and electromagnetic compatibility should meet the requirements of GB 8898 and GB 13837 standards.

4.3

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

4.4

Product manufacturers should strengthen clean production in the production process.

5.1.1 Easy to disassemble design

5.1.1.1

The product adopts a detachable design.

5.1.1.2

The built-in battery shall be of an easily separable design and shall identify the type of battery.

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 use a single type of polymer or copolymerization Compound.

5.1.2.2

For fastening with welding, or other fastening techniques, and not capable of being divided by general purpose tools the thermoplastic parts to be removed shall comply with the compatibility requirements specified in Appendix A.

5.1.2.3

Plastic parts may be dismantled without damaging the original parts and shall not contain metal objects that cannot be separated from the plastic.

5.2 Requirements for hazardous substances in parts and components

5.1.3.1 Short-chain chlorinated paraffins (SCCPs) shall not be added to plastic parts, and the content of short-chained chlorinated paraffins (SCCPs) shall not exceed 0.1% of the total plastic parts.

5.1.3.2 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.

5.1.3.3 In addition to wire and cable, no phthalate ester of any of the following Table 1 shall be added to plastic parts with a mass greater than 25g.

As a plasticizer.

Table 1 Restricted use of plasticizers

Chinese name	English name	abbreviation	Di-iso-nonylphthalate	DINP	Di-n-octylphthalate
DNOP	Di-(2-ethylhexyl)-phthalate	DEHP	Diisobutyl phthalate	Diisodecylphthalate	DIDP
Butylbenzylphthalate	BBP	butyl benzyl phthalate	Dibutyl phthalate	Dibutylphthalate	DBP

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5.1.3.4 The battery included in the product shall comply with the requirements of HJ/T 239.

5.3 Product production stage requirements

Do not use hydrochlorofluorocarbons (HCFCs), 1,1,1-trichloroethane (C₂H₃Cl₃), trichloroethylene (C₂HCl₃), dichloroethane (CH₃CHCl₂), dichloromethane (CH₂Cl₂), chloroform (CHCl₃), carbon tetrachloride (CCl₄), bromopropane (C₃H₇Br) the substance is used as a cleaning solvent.

5.4 Product energy requirements

The power in the standby state of the product should be no more than 1W, and the power should be no more than 10W in the running state.