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

GB 16487.10-2017

Replacing GB 16487.10-2005

**Environmental protection control standard for imported solid
wastes as raw materials -- Metal and electrical appliance scraps
(English Translation)**

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of Quality Supervision, Inspection and Quarantine of the People's
Republic of China**

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Foreword

In order to carry out the "Law of the People's Republic of China on Prevention and Control of Environmental Pollution by Solid Wastes", "Prevention and Control of Radioactive Pollution by the People's Republic of China Law "and other laws and regulations to control imports due to the use of raw materials for scrap metal appliances caused by environmental pollution, the development of this standard.

This standard specifies the import of waste electrical and electronic control of environmental protection requirements.

This standard is one of the series of control standards for imported solid waste environmental protection, applicable to the import of solid waste can be used as raw materials Catalog on the scrap metal electrical import management.

This standard was first released in 1996, the first revision in 2005, this is the second revision.

The main content of this revision.

- Increased import of waste electrical and electronic equipment through the radiation requirements of radiation;
- Adjusted hazardous waste control requirements;
- tightened control requirements for general inclusions;
- Improve the import of scrap metal electrical appliances recyclable metal content requirements;
- revised inspection requirements.

Since the implementation of this standard date, "the import of solid waste can be used as raw material environmental protection control standards - waste hardware appliances" (GB

16487.10-2005) abolished.

This standard was revised by the Ministry of Environmental Protection Soil and Environmental Management Division, Science and Technology Standards Division.

This standard is mainly drafted by. China Academy of Environmental Sciences.

This standard MEP approved on December 29, 2017.

This standard since March 1, 2018 implementation.

This standard is interpreted by the MEP.

Import can be used as raw material for solid waste environmental protection control standards - Waste metal appliances

1 Scope of application

This standard specifies the import of waste electrical and electronic control of environmental protection requirements.

This standard applies to the following waste electrical and electronic hardware import management, including hardware electrical processing generated in the scrap, residual Defective or nonconforming product Customs Product Code Solid Waste Name

7204490020 To scrap steel-based scrap metal appliances 7404000010 mainly to scrap copper metal scrap electrical appliances

7602000010 Recycled aluminum scrap metal electrical appliances

2 Normative references

This standard references the following documents in the terms. For undated references, the effective version applies to this standard.

GB 5085.1 hazardous waste identification standard corrosive identification GB 5085.2 Hazardous Wastes Identification Standard Acute Toxicity Screening GB 5085.3 hazardous waste identification standard leaching toxicity identification GB 5085.4 Hazardous Waste Identification Standard Flammability Identification GB 5085.5 hazardous waste identification standard reactive identification GB 5085.6 Hazardous Waste Identification Standard Toxic substance content identification SN/T 0570 Import can be used as raw materials waste radioactive contamination inspection procedures SN/T 1791.6 Waste Inspection and Quarantine Procedures for Imported Use of Raw Materials - Part 6. Waste Hardware and Electrical Appliances "National List of Hazardous Wastes" (Ministry of Environmental Protection, National Development and Reform Commission, Ministry of Public Security Order No. 39)

3 Terms and definitions

The following terms and definitions apply to this standard.

3.1 Inclusions Carried-waste

In the production, collection, packaging and transportation process mixed with imported waste electrical and electronic hardware in other substances (excluding imported scrap five the packaging of electrical appliances and other substances to be used in the process of transport).

4 Control standards and requirements

4.1

imported waste electrical and electronic waste radioactive pollution control should meet the following requirements.

- a) Waste hardware appliances are not mixed with radioactive waste;
- b) waste metal electrical appliances (including packaging) external radiation throughout the radiation dose rate does not exceed the location of the import port of natural Radiation background value 0.25 $\mu\text{Gy/h}$;
- c) waste electrical and mechanical surface alpha, beta radioactive contamination level. the surface of any part of the 300 cm^2 maximum detection of water the flat average alpha does not exceed 0.04 Bq/cm^2 and beta does not exceed 0.4 Bq/cm^2 ;
- d) waste electrical and electronic radionuclide specific activity should be lower than the limits of Table 1.

Table 1 radionuclide specific activity limits

Nuclide specific activity (Bq/g) Beta-gamma mixture of unknown ingredients 0.3 Alpha mixture of unknown ingredients 0.1 4.2 scrap hardware appliances are not mixed with abandoned bombs, shells and other explosive weapons ammunition.

4.3

Waste metal electrical appliances should be strictly limited the inclusion of the following inclusions, the total weight should not exceed the weight of imported waste electrical and hardware 0.01%.

- a) transformers, ballasts and compressors of insulating material;
- b) airtight container;
- c) Wastes from the National List of Hazardous Wastes;

d) based on GB 5085.1 ~ GB 5085.6 identification criteria for identification, where corrosive, toxic, flammable, anti-Other Hazardous Wastes with One or More Hazardous Characteristics

4.4

In addition to the wastes listed in the preceding articles, other electrical and mechanical waste should be restrained (including wood waste, waste paper, waste plastic, Waste rubber, glass waste and the state banned imports of waste electrical and mechanical products and other waste) mixed, the total weight should not exceed the import of waste five Golden 0.5% of the weight of electrical appliances.

4.5

Imported scrap metal appliances recyclable metal content should not be less than 80% of the total weight of scrap hardware.

5 Test

5.1

The standard test to take a random sample test approach to the import of waste containers shipped to take out of the box, dig box, unpacking /Bundles, sorting method of inspection, the bulk of imported waste by sea to open inspection and landing inspection methods, the bulk of land of imported waste to take out of the box inspection and floor inspection methods, if necessary, sent to the laboratory for testing (including radionuclide ratio Activity, hazardous characteristics, etc.). The results of random sampling test as a whole lot of goods inspection results.

5.2

The standard 4.1 test in accordance with the provisions of SN/T 0570 implementation.

5.3

This standard 4.3d) in accordance with the provisions of GB 5085.1 ~ GB 5085.6 test method.

5.4

The other provisions of this standard test in accordance with SN/T 1791.6 regulations.