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

GB 16487.7-2017

Replacing GB 16487.7-2005

**Environmental protection control standard for imported solid
wastes as raw materials -- Nonferrous metal scraps
(English Translation)**

Issued on: December 29, 2017

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**Issued by: Ministry of Environmental Protection, General Administration
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 the import of raw materials for the waste of non-ferrous metals caused by environmental pollution, the development of this standard.

This standard specifies the environmental protection and control requirements of imported waste non-ferrous metals.

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 import of waste non-ferrous metals management.

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

The main content of this revision.

- Added the name of solid waste management for the import of waste non-ferrous metals;
- Increasing the requirement for external radiation penetration of imported non-ferrous metals;
- Adjusted hazardous waste control requirements;
- tightened the general inclusions and the control requirements of the powder;
- revised inspection requirements.

From the date of the implementation of this standard, "Imported as a raw material for solid waste environmental protection control standards - non-ferrous metals waste" (GB 16487.7-2005) 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 non-ferrous metals

1 Scope of application

This standard specifies the environmental protection and control requirements of imported waste non-ferrous metals.

This standard applies to the following waste non-ferrous metals import management, excluding waste non-ferrous metals oxides, salts and oxygen A mixture of chemicals and salts.

Customs Product Code Solid Waste Name Remarks

7112911010 Golden scrap scrap

7112911090 Packaged gold scrap (except for other precious metals) 7112921000 Platinum and platinum waste of scrap (but with other precious metals Outside, mainly for the recovery of platinum)

7404000090 Other scrap copper scrap Excluding scrap metal appliances, waste wire and cable Cable, waste motor

7503000000 Nickel waste and scrap

7602000090 Other aluminum waste and scrap Excluding scrap metal appliances, waste wire and cable Cable, waste motor

7902000000 Zinc waste and scrap 8002000000 tin scrap scrap

8101970000 Tungsten waste and scrap

8103300000 Tantalum waste and scrap

8104200000 Magnesium waste and scrap

8106001092 Other unwrought bismuth waste and scrap

8108300000 Waste titanium scrap

8109300000 Zirconium scrap

8112921010 Germanium scrap unwrought

8112922010 Unwrought vanadium waste and scrap

8112924010 Niobium waste and scrap

8112929011 Unwrought hafnium scrap

8112929091 Unwrought gallium, rhenium scrap

8113001010 Granular or powdered tungsten carbide waste and scrap

8113009010 Other tungsten carbide waste, except particles or powder

2 Normative references

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

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 1791.9 Inspection and quarantine of imported waste that can be used as raw materials - Part 9. Waste non-ferrous metals "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 mixed with other substances imported non-ferrous metals (not including imported solids Waste packaging and other materials to be used during transport).

4 Control standards and requirements

4.1

Radioactive non-ferrous metals imported waste pollution control should meet the following requirements.

a) Non-ferrous metals are not mixed with radioactive waste;

- b) Waste non-ferrous metals (including packaging) of the 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) Surface non-ferrous metals alpha, beta radioactive contamination levels. any part of the surface of 300 cm^2 of the 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) non-ferrous metals in the non-natural radionuclide specific activity should be lower than the limits in 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

Non-ferrous metals are not mixed with explosive bombs, shells and other explosive weapons ammunition.

4.3

Waste non-ferrous metals should be strictly limited inclusion of the following inclusions, the total weight should not exceed the weight of imported waste non-ferrous metals 0.01%.

- a) airtight container;
- b) Wastes from the National List of Hazardous Wastes;
- c) According to 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 non-ferrous metals should be limited to other inclusions (including wood waste, waste paper, waste plastics, Waste rubber, glass waste, particle size not more than 2mm powder and other waste mixed), the total weight should not exceed imported waste color 1.0% of the total weight of the metal, powder inclusions and contaminants (dust, sludge, crystalline salts, Metal oxide, fiber, etc.) should not exceed the total weight of imported waste non-ferrous metals 0.1%.

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