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

GB 16487.2-2017

Replacing GB 16487.2-2005

**Environmental protection control standard for imported solid
wastes as raw materials -- Smelt slag
(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 and Radioactive Contamination Prevention and Control Law of the People's Republic of China Laws and regulations to control the import of raw materials for the metallurgical slag pollution caused by environmental pollution, the development of this standard.

This standard specifies the import of slag 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 in the directory Guan Ye smelting slag 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.

- Increasing the requirement for external radiation penetration of imported smelting slag;
- Adjusted hazardous waste control requirements;
- tightened control requirements for general inclusions;
- revised inspection requirements.

From the date of implementation of this standard, "Imported as a raw material for the control of solid waste environmental protection standards - slag" (GB 16487.2-2005) Repealed.

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 - Smelting slag

1 Scope of application

This standard specifies the import of slag control of environmental protection requirements.

This standard applies to the following import of slag smelting management.

Customs Product Code Solid Waste Name

2618001001 Granular slag produced mainly from smelting of steel containing more than 25% manganese (including slag sand)

2619000010 Rolling produces scale

2619000030 Slag steel produced from smelting steel containing more than 80% iron

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 1791.10 Inspection and Quarantine Procedures for Imported Wastes for Use as Raw Materials - Part 10. Smelting Slags "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 process of production, collection, packaging and transportation mixed with imported other slag in the material (excluding imported smelting slag packaging and Other

substances to be used during transport).

4 Control standards and requirements

4.1

Imported smelting slag radioactive pollution control should meet the following requirements.

- a) There is no radioactive waste mixed in the smelting slag;
- b) smelting slag (including packaging) of the external radiation throughout the radiation dose rate does not exceed the normal natural port of entry of the port location $0.25\mu\text{Gy/h}$;
- c) Surface alpha, beta radioactive contamination levels of smelter slag are. average of the maximum detection level of 300 cm^2 at any part of the surface alpha not More than 0.04 Bq/cm^2 , beta not more than 0.4 Bq/cm^2 ;
- d) smelting slag radionuclide specific activity should be lower than the limits of Table 1.

Table 1 radionuclide specific activity limits

Nuclide specific activity (Bq/g) ^{59}Ni 3×10^3 ^{63}Ni 3×10^3 ^{54}Mn 0.3 ^{60}Co 0.3 ^{65}Zn 0.3 ^{55}Fe 300 ^{90}Sr 3 ^{134}Cs 0.3 ^{137}Cs 0.3 ^{235}U 0.3 ^{238}U 0.3 ^{239}Pu 0.1 ^{241}Am 0.3 ^{152}Eu 0.3 ^{154}Eu 0.3 ^{94}Nb 0.3 Beta-gamma mixture of unknown ingredients 0.3 Alpha mixture of unknown ingredients 0.1

4.2 smelting slag is not mixed with abandoned bombs, shells and other explosive weapons and ammunition.

4.3

Smelting slag should be strictly limited the inclusion of the following inclusions, the total weight should not exceed 0.01% by weight of imported slag.

- 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 a corrosive, toxic, flammable, reactivity, etc.

Or other hazardous wastes of more than one hazardous character.

4.4

In addition to the wastes listed in the above articles, other inclusions (including wood waste, waste paper, waste plastics, waste rubber, waste glass Glass and other waste) mixed, the total weight of imported slag should not exceed 0.5% by weight.

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 of the inspection methods for bulk imports of seaborne cargo to take open-door inspection and ground-based inspection methods to import waste from bulk ground taken to open Box inspection and floor inspection methods, if necessary, to the laboratory for testing (including radionuclide specific activity, hazardous properties, etc.). random the results of sampling inspection 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 4.3c) 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 1791.10 regulations.