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# 中华人民共和国国家标准

National Standard of the People's Republic of  
China

GB 16487.7-2005  
Replace GB 16487.7-1996

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## 进口可用作原料的固体废物环境保护控制 标准—废有色金属

Environmental protection control standard for imported solid wastes  
as raw materials  
—Nonferrous metal scraps

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Issued by State Environmental Protection Administration of China (SEPA)  
General Administration of Quality Supervision, Inspection and  
Quarantine of the People's Republic of China (AQSIQ).

### Foreword

This standard is prepared for the purpose of implementing “Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste”, in

order to prevent the import of solid wastes that cannot be used as raw materials, standardize the import examination and licensing of solid wastes as raw materials and control the environmental pollution caused by nonferrous metal scraps as raw materials.

As one of environmental protection control standards for imported solid wastes, this standard shall be applicable to the import administration of nonferrous metal scraps (imported solid wastes as raw materials).

This version of standard made many revisions to GB16487.7-1996, such as the name, foreword, scope, cited standards, definition, control requirements, etc. In regard to the control requirements, we mainly revised the control requirements for the radioactivity and carried-wastes, increased the categories of nonferrous metal scraps forbidden or prohibited to import, and deleted requirements for precipitated copper (cement copper) and mixed scrap metals in the trial-use standard.

According to relevant law, this standard is enforceable.

This standard was proposed by the Department of Science, Technology and Standard, SEPA.

This standard was drafted by Chinese Research Academy of Environmental Sciences.

This standard was first issued on July 29, 1996.

This standard was approved by SEPA on November 9, 2005.

This standard shall be implemented as of February 1, 2006.

SEPA shall be responsible for interpreting this standard.

## Environmental protection control standard for imported solid wastes as raw materials—Nonferrous metal scraps

### 1. Scope

This standard hereby sets forth the environmental protection control requirements for imported nonferrous metal scraps.

This standard shall be applicable to the import administration of nonferrous metal scraps with following customs commodity numbers.

Customs commodity number	Name of solid wastes	Note
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7404000090	Waste and scrap copper material	Exclusive of metal and electrical appliance scraps , waste wires and cables, waste electric motors
7503000000	Waste and scrap nickel material	
7602000090	Waste and scrap aluminum material	Exclusive of metal and electrical appliance scraps , waste wires and cables, waste electric motors
7902000000	Waste and scrap zinc material	
8002000000	Waste and scrap tin material	
8103100000	Waste and scrap tantalum material	
8101970000	Waste and scrap tungsten material	
8104200000	Waste and scrap magnesium material	
8108300000	Waste and scrap titanium material	

## 2. Cited normative documents

The clauses in the following documents that were cited by this standard became clauses of this standard. For cited documents with a date, all their subsequent modifications or revisions do not apply to this standard. However, parties having reached an agreement based on cited standards with a date are encouraged to study whether the latest versions of the cited documents with a date are applicable. For cited documents without a date, the latest versions apply to this standard.

GB 5085 Identification standard for hazardous wastes

GB 13015 Pollution control standard for wastes containing polychlorinated biphenyls

SN 0570 Inspection rules for the radioactive contamination of imported wastes as raw materials

SN 0571 Inspection and quarantine rules for imported wastes as raw materials—nonferrous metal scraps

National Catalogue of Hazardous Wastes

Catalogue of Hazardous Chemicals

Catalogue of Hypertoxic Chemicals

## 3 Definitions

This standard shall use the following definitions:

3.1 Carried-waste shall refer to substances mixed in imported nonferrous metal scraps during the production, collection, packing and transportation processes (exclusive of packing materials for the imported solid wastes and other substances that need to be used during the transportation process).

3.2 Hazardous chemical substance shall refer to chemicals listed in the “Catalogue of Hazardous Chemicals” and the “Catalogue of Hypertoxic Chemicals” issued by concerned department of the People’s Republic of China.

#### 4 Standards and requirements for control

4.1 Nonferrous metal scraps shall be prohibited from bringing in following carried-wastes (exclusive of wastes listed in Article 4.4).

- (1) Radioactive wastes;
- (2) Explosive arms and ammunitions such as discarded bomb and shell, etc.;
- (3) Wastes containing polychlorinated biphenyls
- (4) Substances identified as hazardous wastes according to GB5085;
- (5) Other wastes listed in “National Catalogue of Hazardous Wastes”.

4.2  $\alpha$  and  $\beta$  radioactive contamination limit to the surface of the nonferrous metal scraps: For any 300 cm<sup>2</sup> of the surface area, the average  $\alpha$  specific activity value shall not exceed 0.04Bq/cm<sup>2</sup> and that of  $\beta$  shall not exceed 0.4 Bq/cm<sup>2</sup>.

4.3 The specific activity value of the radionuclide in the nonferrous metal scraps shall not exceed the limits specified in List 1.

List 1 Specific activity limits of the radionuclide

Radionuclide	Specific activity (Bq/g)
<sup>59</sup> Ni	$\frac{3 \times 10}{3}$
<sup>63</sup> Ni	$\frac{3 \times 10}{3}$
<sup>54</sup> Mn	3
<sup>60</sup> C o	3
<sup>65</sup> Zn	3
<sup>55</sup> F e	300
<sup>90</sup> Sr, s	3
<sup>134</sup> C s	3
<sup>137</sup> C s	3
<sup>235</sup> U	3
<sup>238</sup> U	3
<sup>239</sup> P u	1
<sup>241</sup> Am	3
<sup>152</sup> E u	3
<sup>154</sup> E u	3
<sup>94</sup> Nb	3

Unknown $\beta$ - $\gamma$ mixture	3
Unknown $\alpha$ mixture	1

4.4 Following carried-wastes shall be strictly restricted and their total weight shall not exceed 0.01% of the weight of nonferrous metal scraps.

- (1) Asbestos waste or waste containing asbestos;
- (2) Sensitization material waste;
- (3) Sealed container;
- (4) Other hazardous wastes that can't avoid being mixed into the imported waste and scrap of iron and steel during the production, collection and transportation processes.

4.5 The total weight of powder waste carried in nonferrous metal scraps (such as smelt slag and dust abatement ash, etc.) shall not exceed 0.1% of the weight of the imported nonferrous metal scraps.

4.6 In addition to the wastes listed above, other carried-wastes (such as wood waste, waste paper, scrap plastic, scrap rubber, scrap glass, stripped rust, etc.) shall be restricted and their total weight shall not exceed 2% of the weight of the imported nonferrous metal scraps.

4.7 Containers, pipes, and their waste and crushed chips that once contained liquids and semi-solid chemical substances can only be imported after being washed clean; the importer must provide inspection authorities with main composition of hazardous chemical substances that they used to contain or convey.

## 5 Inspections

5.1 Inspections under Article 4.1(3) of this standard shall be performed in accordance with the provisions of GB13015.

5.2 Inspections under Article 4.1(4) and Article 4.1(5) of this standard shall be performed in accordance with the provisions of GB5085.

5.3 Inspections under Article 4.1(1), Article 4.2 and Article 4.3 of this standard shall be performed in accordance with the provisions of SN0570.

5.4 Inspections of other terms under this standard shall be performed in accordance with the provisions of SN0571.