

ICS 13.030.50
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National Standards of the People's Republic
of China

GB 16487.13—2017

Replace GB 16487.13—2005

Environmental Protection Control Standard
for Imported Solid Wastes as Raw
Materials—Compressed Piece of Scrap
Automobile

(Version for Release)

This is the version released electronically, subject to the formal version of the standards published by China
Environmental Science Press.

Issued on 12-29-2017

Effective as of 03-01-2018

Issued
by

**Ministry of Environmental Protection
and
General Administration of Quality
Supervision, Inspection and Quarantine
of the People's Republic of China**

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Foreword

In order to implement the *Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Wastes*, the *Law of the People's Republic of China on the Prevention and Control of Radioactive Pollution* and other applicable laws and regulations, and control the environmental pollution caused by imported compressed piece of scrap automobile as raw materials, this standard is hereby formulated.

This standard specifies the environmental protection control requirements for imported compressed piece of scrap automobile.

As one of a series of environmental protection control standards for imported solid wastes, this standard shall be applicable to the administration of import of the compressed piece of scrap automobile included in the Catalogue of Imported Solid Wastes as Raw Materials.

This standard was first issued in 2005 and is hereby amended for the first time.

It is hereby amended mainly in the following aspects:

- Requirement on external exposure penetrating radiation dose for imported compressed piece of scrap automobile was added;
- A control requirement that non-metal materials as components of the scrap automobile be removed from the compressed piece of scrap automobile was added;
- Control requirement for hazardous wastes was adjusted;
- Control requirement for regular carried-wastes was tightened; and
- Requirements on inspection were revised.

Environmental Protection Control Standard for Imported Solid Wastes as Raw Materials – Compressed Piece of Scrap Automobile (GB 16487.13-2005) shall be abolished as of the effective date of this standard.

This standard was amended under the direction of the Department of Soil Environment Management and the Department of Science, Technology and Standards of the Ministry of Environmental Protection.

Primary drafting organization for this standard: Chinese Research Academy of Environmental Sciences.

This standard was approved by the Ministry of Environmental Protection on December 29, 2017.

This standard shall come into full force and effect on March 1, 2018.

This standard shall be interpreted by the Ministry of Environmental Protection.

Environmental Protection Control Standard for Imported Solid Wastes as Raw Materials – Compressed Piece of Scrap Automobile

1. Scope of Application

This standard hereby sets forth the environmental protection control requirements for imported compressed piece of scrap automobile, and the control requirements for the extent of dismantling and compression for scrap automobile before formation of compressed piece.

This standard shall be applicable to the administration of import of the compressed piece of scrap automobile described below.

HS Code	Name of Solid Waste
7204490010	Compressed piece of scrap automobile

2. Cited Normative Documents

The provisions of the following documents are cited in this standard. In case of any undated citation, the effective version of such cited normative document shall be applicable to this standard.

GB 5085.1	Identification Standards for Hazardous Wastes	Identification of corrosivity
GB 5085.2	Identification Standards for Hazardous Wastes	Screening test for acute toxicity
GB 5085.3	Identification Standards for Hazardous Wastes	Identification of leaching toxicity
GB 5085.4	Identification Standards for Hazardous Wastes	Identification of flammability
GB 5085.5	Identification Standards for Hazardous Wastes	Identification of reactivity
GB 5085.6	Identification Standards for Hazardous Wastes	Identification for toxic substance content
SN/T 0570	Inspection Procedures for Radioactive Contamination of Imported Wastes as Raw Materials	
SN/T 1791.11	Inspection and Quarantine Procedures for Imported Wastes as Raw Materials – Part 11: Compressed Piece of Scrap Automobile	

National Catalogue of Hazardous Wastes (Order No. 39 issued by Ministry of Environmental Protection, National Development and Reform Commission, and Ministry of Public Security)

3. Terms and Definitions

For purpose of this standard, the following terms and definitions shall apply.

3.1 Compressed piece of scrap automobile

Scrap automobile product that has lost its functions and been compressed with its original shape unrestorable.

3.2 Carried-waste

Foreign substances introduced into imported compressed piece of scrap automobile during collection, packaging and transportation (including articles for daily use placed in the automobile by the driver and passengers, and excluding package for the imported compressed piece of scrap automobile and substances that need to be used during the transportation process).

4 Control Standards and Requirements for

4.1 To control radioactive contamination induced by imported compressed piece of scrap automobile, the following requirements shall be met:

- a) The compressed piece of scrap automobile shall not contain any radioactive wastes;
- b) The external exposure penetrating radiation dose rate for the compressed piece of scrap automobile (including packing material) shall be no more than $+0.25\mu\text{Gy/h}$ greater than the normal natural background radiation level at the place where the port of import is located;
- c) α -ray and β -ray radioactive contamination levels on the surface of the compressed piece of scrap automobile shall be as follows: the average value of maximum detected level in any portion of 300cm^2 on the surface shall not exceed 0.04Bq/cm^2 for α -ray and 0.4Bq/cm^2 for β -ray; and
- d) The specific activity of radioactive nuclide in the compressed piece of scrap automobile shall be less than the threshold values specified in Table 1 below.

Table 1 Threshold Values of Specific Activity of Radioactive Nuclide

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
β - γ mixture with unknown components	0.3
α mixture with unknown components	0.1

4.2 Compressed piece of scrap automobile shall not contain any explosive arms or ammunitions, such as discarded bombs and shells.

4.3 The following components of the scrap automobile should be dismantled and removed from the compressed piece of scrap automobile, and the total weight of these components shall not exceed 0.01% of the total weight of the compressed piece of the scrap automobile.

- a) Safety airbag;
- b) Battery;
- c) Fire extinguisher and sealed pressure container;
- d) Engine oil, gear oil, gasoline, diesel oil, brake fluid and coolant;
- e) Refrigerant and catalyst; and

- f) Contaminated oil sludge and oil stain.
- 4.4 Non-metal materials that are components of the scrap automobile (such as tires, seats and cushions) shall be removed from the compressed piece of scrap automobile, and the total weight of these components shall not exceed 0.3% of the total weight of the compressed piece of the scrap automobile.
- 4.5 The total weight of the following carried-wastes in compressed piece of scrap automobile shall be strictly restricted to a level not greater than 0.01% of the total weight of the imported compressed piece of scrap automobile.
- a) Sealed container;
 - b) Wastes listed in the *National Catalogue of Hazardous Wastes*; and
 - c) Other hazardous wastes with one or more hazardous characteristics including corrosivity, toxicity, flammability and reactivity as identified according to the identification standards of GB5085.1-GB5085.6.
- 4.6 In addition to the wastes listed above, the total weight of other carried-wastes (including wood waste, waste paper, waste rubber, thermosetting plastics and domestic refuse) in compressed piece of scrap automobile shall be restricted to a level not greater than 0.5% of the total weight of the compressed piece of scrap automobile.

5 Inspection

- 5.1 Inspection under this standard shall be carried out by random sampling, where opening, devanning, unpacking/unbaling and sorting shall be carried out for the inspection of imported wastes shipped in containers, open-cabin inspection and arrival inspection shall be carried out for the inspection of imported wastes shipped in bulk by sea, and open-box inspection and arrival inspection shall be carried out for the inspection of imported wastes shipped in bulk by land, which shall be sent to labs for tests when necessary (including specific activity of radioactive nuclide and hazardous characteristics). The results of inspection by random sampling shall serve as the results of the inspection of the whole shipment.
- 5.2 Inspection under Section 4.1 hereof shall be performed in accordance with the provisions of SN/T 0570.
- 5.3 Inspection under Section 4.5(c) hereof shall be performed according to the methodologies provided in GB 5085.1-GB 5085.6.
- 5.4 Inspection under other sections hereof shall be performed in accordance with the provisions of SN/T 1791.11.