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**National technical regulation QCVN 32: 2018 / BTNMT on environment for imported plastic scrap as raw production materials**

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**Content of the full text of National Technical Regulation QCVN 32: 2018 / BTNMT on environment for imported plastic scrap as raw production materials**

**QCVN 32: 2018 / BTNMT**

NATIONAL TECHNICAL REGULATION ON ENVIRONMENT FOR PLASTIC SCRAPS IMPORTED AS PRODUCTION RAW MATERIALS

*National technical regulation on environment for Imported plastic scraps for production*

**Preface**

**QCVN 32: 2018 / BTNMT replaces QCVN 32: 2010 / BTNMT**

**QCVN 32: 2018 / BTNMT** prepared by Vietnam Environment Administration, submitted by Department of Science and Technology, Department of Legal Affairs; The Ministry of Science and Technology appraises and is issued under the Circular No. [08/2018 / TT-BTNMT](https://vanbanphapluat.co/thong-tu-08-2018-tt-btnmt-quy-chuan-ky-thuat-quoc-gia-ve-moi-truong-doi-voi-phe-lieu-sat) dated September 14, 2018 of the Minister of Natural Resources and Environment.

**NATIONAL TECHNICAL REGULATION ON ENVIRONMENT FOR PLASTIC SCRAPS IMPORTED AS PRODUCTION RAW MATERIALS**

***National technical regulation on environment for imported plastic scraps for production***

**1. GENERAL PROVISIONS**

**1.1. Scope:**

1.1.1. This regulation prescribes types of plastic scrap permitted to be imported as raw production materials; plastic scrap not allowed to be imported; impurities must not be mixed in imported plastic scrap; unwanted unwanted impurities are allowed to be mixed in the imported plastic scrap; Other technical requirements on plastic scrap imported from abroad.

1.1.2. This regulation does not apply to plastic scrap imported from enterprises in non-tariff areas in the territory of Vietnam.

**1.2. Subjects of application:**

1.2.1. This regulation applies to organizations and individuals importing and using imported plastic scrap as raw production materials; State management agencies related to the import and use of imported plastic scrap as raw production materials; conformity assessment organizations related to the import of plastic scrap from abroad.

1.2.2. This regulation does not apply to organizations and individuals importing plastic scrap arising from production activities of enterprises in the non-tariff area on Vietnam's territory.

**1.3. Interpretation of terms:**

In this Regulation, the following terms are construed as follows:

1.3.1. *Impurities* are substances and materials other than plastic mixed in imported plastic scrap, including substances, materials which are adhered or not adhered to imported plastic scrap.

1.3.2. *Hazardous impurity* means waste which has been classified as hazardous waste in accordance with the law on environmental protection.

1.3.3. *HS* code is the code for classifying import and export goods stated in the List of exported and imported goods promulgated by the Ministry of Finance and the List of scraps permitted to be imported from abroad for use as raw production materials issued by the Prime Minister. government issued.

1.3.4. *A batch of imported plastic scrap* is a volume of plastic scrap *imported* by an organization or individual that registers for state inspection of quality of imported plastic scrap (hereinafter referred to as inspection registration) once for being imported into Vietnam; a batch of imported plastic scrap cargo may consist of one or several blocks of plastic scrap cargo with different HS codes.

1.3.5. *The block of import plastic scrap cargo* is the quantity of plastic scrap which has been selected and classified separately according to a certain HS code and belongs to the batch of plastic scrap cargo registered by an organization or individual for inspection; Plastic scrap cargo block may be part or whole of the import plastic scrap cargo block.

1.3.6. *The state inspection agency for quality of imported plastic scrap in accordance with the National Technical Regulation on Environment* is the Department of Natural Resources and Environment where the factory or production facility uses imported plastic scrap as production raw materials (hereinafter referred to as inspection agencies).

1.3.7. *Appraised inspection* organization is an inspection organization that has been granted an inspection registration certificate according to the Government's Decree No. [107/2016 / ND-CP of](https://vanbanphapluat.co/nghi-dinh-107-2016-nd-cp-quy-dinh-kinh-doanh-dich-vu-danh-gia-su-phu-hop-2016) July 1, 2016, on conditions for conducting business of conformity assessment services (hereinafter referred to as Decree No. [107/2016 / ND-CP](https://vanbanphapluat.co/nghi-dinh-107-2016-nd-cp-quy-dinh-kinh-doanh-dich-vu-danh-gia-su-phu-hop-2016) ) and on the list of designated assessment organizations under the authority of the Minister of Natural Resources and The environment specified in the Government's Decree No. [74/2018 / ND-CP of](https://vanbanphapluat.co/nghi-dinh-74-2018-nd-cp-sua-doi-13-2008-nd-cp-huong-dan-luat-chat-luong-san-pham-hang-hoa) May 15, 2018 amending and supplementing a number of articles of Decree No. [132/2008 / ND-CP of](https://vanbanphapluat.co/nghi-dinh-132-2008-nd-cp-huong-dan-luat-chat-luong-san-pham-hang-hoa) December 31, 2008 of The Government details the implementation of a number of articles of the Law on Product and Goods Quality (hereinafter called Decree No. for short)[74/2018 / ND-CP](https://vanbanphapluat.co/nghi-dinh-74-2018-nd-cp-sua-doi-13-2008-nd-cp-huong-dan-luat-chat-luong-san-pham-hang-hoa) ). The designation and recognition of foreign assessment organizations conducting the assessment of imported scrap quality in accordance with the national technical regulations on environment on Vietnamese territory shall comply with the provisions of law.

**2. TECHNICAL REGULATIONS**

**2.1. Regulations on classification and cleaning of scrap:**

2.1.1. Imported plastic scrap includes one or several blocks of plastic scrap cargo which has been classified separately according to each HS code on the List of scrap permitted to be imported from abroad as raw production materials promulgated by the Prime Minister. .

2.1.2. Each block of imported plastic scrap cargo must be arranged separately in the import goods lot or container to facilitate inspection at the inspection registration place in accordance with law.

2.1.3. In each block of import plastic scrap cargo allowed to mix the amount of plastic scrap with another HS code (on the List of plastic scrap allowed to be imported) compared with the HS code declared in the import dossier. Percentage of volume of plastic scrap with other HS codes does not exceed 20% of the total volume of imported plastic scrap cargo.

2.1.4. Imported plastic scrap must be removed substances, materials and goods banned from import according to the provisions of Vietnamese law and international treaties to which the Socialist Republic of Vietnam is a member. meet the requirements of Section 2.3 and Section 2.4.

**2.2. Provisions on types of plastic scrap permitted to be imported:**

2.2.1. Plastics are removed from manufacturing processes that have not been used.

2.2.2. Plastic (PET) packaging for used mineral water, purified water. The plastic (PET) packaging contains the used carbonated beverage and has completely removed its internal liquid.

2.2.3. Used plastic in one of the following forms: blocks, lumps, bars, wires, strips, ribbons, films, splints, trays, sheets, sheets, pallets and plastic safes; Jumbo bags have been cut into strips, sheets or ribbons. For imported plastic scrap, film should be sampled and analyzed according to Sections 3.2.2, 3.2.4 and 3.2.5.

2.2.4. Other resins other than Sections 2.2.1, 2.2.2 and 2.2.3 must be minced, cut into pieces and cleaned to remove impurities (each dimension of the debris shall not exceed 10 cm, billion). Ratio of pieces larger than 10 cm does not exceed 5% of the volume of imported plastic scrap cargo).

2.2.5. The resins specified in Sections 2.2.1, 2.2.2, 2.2.3 and 2.2.4 must meet the requirements specified in Section 2.4.

**2.3. Provisions on types of plastic scrap not permitted to be imported:**

2.3.1. Used resins without being minced, cut into pieces and cleaned to remove impurities as prescribed in Section 2.2.4 (except for resins specified in Sections 2.2.1 and 2.2.2 and 2.2.3).

2.3.2. Plastic shells of used electronic equipment and appliances, such as TVs, computers, office equipment, etc., containing fire-fighting substances (PBDE (PolyBrominated Diphenyl Ether), PBB compounds ( PolyBrominated Biphenyl)), phthalate-based compounds, lead, cadmium, mercury and chromium (VI).

2.3.3. Plastic has been burnt badly.

**2.4. Impurities must not be mixed in imported plastic scrap:**

2.4.1. Chemicals, flammable substances, explosive substances, hazardous medical wastes, oils and fats derived from animals and plants.

2.4.2. Materials containing or contaminated with radioactive substances in excess of the exemption specified in QCVN 05: 2010 / BKHCN - National technical regulation on radiation safety - exemption from declaration and licensing issued together with Circular No. [15/2010 / TT-BKHCN](https://vanbanphapluat.co/thong-tu-15-2010-tt-bkhcn-quy-chuan-ky-thuat-quoc-gia-an-toan-buc-xa) September 14, 2010 by the Minister of Science and Technology.

2.4.3. Harmful impurities.

**2.5. Unwanted impurities allowed to be mixed in the imported plastic scrap:**

2.5.1. Adhesion impurities such as dust, soil, sand, lanyards and materials used to pack imported plastic scrap.

2.5.2. Impurities due to printing, types of labels, labels still sticking on plastic scrap or have been detached during transportation, loading and unloading.

2.5.3. Other residual impurities that are not adhesives or detached from imported plastic scrap (except Section 2.5.1 and Section 2.5.2) meet the requirements specified in Section 2.4. In each shipment of imported plastic scrap, the total volume of impurities specified in this Section 2.5.3 shall not exceed 2% of the weight of the goods lot.

- Determine and assess the technical requirements prescribed in Section 2 of this Regulation. Where analytical results of testing organizations are used, these results should be performed by the organization specified in Section 4.4;

- For a batch of imported plastic scrap cargo that must take at least 2 representative samples as prescribed in Section 3.2.1, the inspection result for the imported plastic scrap cargo batch is the average value of the results. representative sample analysis.

b) Results of inspection, sampling and analysis of imported plastic scrap shall be handled in one of the following cases:

- In case a batch of imported plastic scrap cargo is inspected and assessed in accordance with Section 2 of this Regulation, the designated assessment organization shall supply a document on the assessment result (inspection certificate) of the goods lot. plastic scrap for organizations and individuals that request assessment and inspection agencies, which serve as a basis for inspection agencies to issue notices of state inspection results on the quality of imported plastic scrap cargo lots for manual testing. customs clearance according to regulations;

- In case the batch of imported plastic scrap cargo does not comply with Section 2 of this Regulation, the designated assessment organization shall supply a document on the assessment result (inspection certificate) of the plastic scrap shipment to the group. organizations and individuals requesting expertise and inspection agencies, to conduct handling according to regulations.

**3.2. Method of sampling, determining the proportion of mass and impurity composition:**

3.2.1. Sampling method:

a) Method of sampling to determine the proportion of mass and impurity content:

a1. For batch of imported plastic scrap cargo is bulk cargo (not contained in a container)

A representative sample is a sample randomly taken at any 5 locations at different points of the shipment of imported plastic scrap cargo (with the distance between sampling points being relatively uniform to ensure representativeness, according to one of shapes: rectangle, square, triangular pyramid, Z shape, ...). The total weight of representative sample is 50 kg. In case of suspicion that the imported plastic scrap shipment does not meet the requirements specified in Section 2 of this Regulation, the inspecting agency shall decide to supplement the representative sample of the consignment according to the sampling method specified in this Section. , but not more than 03 representative samples.

a2. For imported plastic scrap cargo contained in containers

Quality inspection of imported plastic scrap is conducted on the basis of taking and analyzing representative samples. A representative sample consists of one or several random samples mixed together, then 10 kg from the well-mixed mass to represent a representative sample (10 kg mass).

- Random samples are samples taken at any 5 positions at different points of a selected container (with the distance between sampling locations relatively uniform to ensure representativeness, according to one of shapes: rectangle, square, triangular pyramid, Z shape, ...). The weight of a random sample is 10 kg;

**3. EXAMINATION PROCESS, INSPECTION AND DETERMINATION METHODS**

**3.1. Inspection and inspection process for imported plastic scrap:**

The inspection and examination of imported plastic scrap cargo shall be carried out through visual inspection or analytical sampling. Inspection agencies and assessment organizations appointed under the provisions of law when conducting the inspection and examination of imported plastic scrap must comply with the inspection and examination process in Section 3.1.1 and Section 3.1.2.

3.1.1. Process of inspection and examination at the scene:

a) Field inspection and examination activities shall be carried out by visual inspection of all containers or bulk cargo volumes of imported plastic scrap cargo; estimating the impurity ratio and combining with the equipment to quickly measure some parameters for the shipment of plastic scrap.

b) The inspection process at the scene is done as follows:

- General inspection of shipment: type, volume of scrap, quality of imported scrap;

- Take photos of test locations;

- Check some parameters by quick-measuring device in the field (for cases where quick measurement is made in the field);

- Checking the impurity rate: determining the type of accompanied impurities, estimating the percentage (%) of the attached impurity volume.

c) Results of inspection and examination at the scene shall be handled in one of the following cases:

- In case a batch of imported plastic scrap cargo is inspected and assessed in accordance with Section 2 of this Regulation, the designated assessment organization shall supply a document on the assessment result (inspection certificate) of the goods lot. plastic scrap for organizations and individuals that request assessment and inspection agencies, which serve as a basis for inspection agencies to issue notices of state inspection results on the quality of imported plastic scrap cargo lots for manual testing. customs clearance according to regulations;

- If the imported scrap batch is not in accordance with Section 2 of this Regulation, the designated assessment organization shall supply a document on the assessment result (inspection certificate) of the plastic scrap shipment to the organization. , the individual who requests inspection and the inspection agency, to proceed with as prescribed;

- If the imported plastic scrap shipment has not been identified in accordance with Section 2 of this Regulation, Section 3.1.2.

3.1.2. Procedures for checking and inspecting through analytical sampling:

a) Sampling for analysis and assessment of quality of imported plastic scrap in accordance with Section 2 of this Regulation is carried out as follows:

- Taking samples for imported plastic scrap cargo lots according to the method in Section 3.2.1. Take photos of all test locations and sampling locations;

- For a batch of imported plastic scrap cargo with less than 05 containers, select 1 container to take random samples and be a representative sample of imported plastic scrap cargo;

- For batch of imported plastic scrap with from 05 to less than 20 containers, select 2 containers for random sampling. A representative sample is a mix of 2 random samples;

- For a batch of imported plastic scrap cargo with 20 containers or more, 10% of the containers shall be selected for taking random samples (number of random samples rounded off). Where the number of random samples is less than 10, these samples are mixed together into a representative sample. Where the number of random samples is greater than 10 samples, then every 10 random samples are mixed into a representative sample; The remaining odd random sample (if any) is mixed into a representative sample. A shipment of imported plastic scrap may have one or several representative samples.

b) Method of sampling to determine the proportion of pieces of debris larger than 10 cm:

For cases where plastic scrap must be minced and cut as specified in Section 2.2.4, representative samples are taken at any 5 positions at different points (with the distance between sampling points being relatively evenly guaranteed. representativeness, according to one of the following figures: rectangle, square, triangular pyramid, Z shape, ...) of a random container or of a bulk cargo decided by the inspection agency. and mixed together into a representative sample of imported plastic scrap cargo. The representative sample weight is 10 kg.

c) The sampling method to determine the percentage of plastic scrap with HS codes is different from the declared HS codes:

Randomly select a block of imported plastic scrap cargo declared for representative sample. A representative sample is taken at any 5 positions at different points (with the distance between sampling points relatively uniform to ensure the representativeness, according to one of the figures: rectangular, square, pyramid) triangular, Z-shaped, ...) of a random container or of a bulk cargo shall be decided by the Inspecting Body and mixed together into a representative sample of the imported plastic scrap cargo. . The representative sample weight is 10 kg.

3.2.2. Method of determining the impurity ratio:

Conducting separation and classification of impurities by mechanical and physical methods to separate impurities from plastic and weigh the weight of these impurities.

Impurity ratio is the ratio of the amount of impurities to the total mass of the test sample, expressed as a percentage (%).

3.2.3. Method of determining the proportion of pieces of debris larger than 10 cm:

Conduct and classify plastic debris larger than 10 cm in size.

The percentage (%) of fragments of size larger than 10 cm is the mass ratio of pieces of debris larger than 10 cm to the total weight of the test sample.

3.2.4. The method of determining the percentage of plastic scraps with a HS code is different from the HS code declared in the import dossier:

Conduct classification of plastic scrap with HS code different from the declared HS code.

The percentage (%) of plastic scraps with a different HS code from the declared HS code is the weight ratio of plastic scraps with a different HS code than the total weight of the test sample.

3.2.5. Method of determining the impurity composition:

a) Determination of radioactivity concentration of imported plastic scrap cargo block shall comply with TCVN 7469: 2005 (ISO 11932: 1996) - National standard on radiation safety - Measurement of activity of solid materials treated as non-radioactive waste for recycling, reuse or burial.

b) Determination of hazardous waste threshold in the amount of impurities separated from imported plastic scraps and film-like plastic scraps complies with QCVN 07: 2009 / BTNMT- National technical regulation on hazardous waste thresholds Promulgated together with the Minister of Natural Resources and Environment's Circular No. [25/2009 / TT-BTNMT of](https://vanbanphapluat.co/thong-tu-25-2009-tt-btnmt-quy-chuan-quoc-gia-moi-truong) November 16, 2009 and the detailed list of hazardous wastes and potentially hazardous wastes. The environmental impact is regulated in Appendix 1 of Circular No. [36/2015 / TT-BTNMT of](https://vanbanphapluat.co/thong-tu-36-2015-tt-btnmt-quan-ly-chat-thai-nguy-hai) June 30, 2015 of the Minister of Natural Resources and Environment on hazardous waste management.

**4. MANAGEMENT PROVISIONS**

4.1. Plastic scraps imported as raw production materials are imported goods of group 2, subject to state inspection of the quality of imported goods under the provisions of Decree No. [132/2008 / ND-CP of](https://vanbanphapluat.co/nghi-dinh-132-2008-nd-cp-huong-dan-luat-chat-luong-san-pham-hang-hoa) December 31 In 2008, the Government details the implementation of a number of articles of the Law on Product and Goods Quality (hereinafter referred to as Decree No. [132/2008 / ND-CP](https://vanbanphapluat.co/nghi-dinh-132-2008-nd-cp-huong-dan-luat-chat-luong-san-pham-hang-hoa) ) and Decree No. [74/2018 / ND- CP](https://vanbanphapluat.co/nghi-dinh-74-2018-nd-cp-sua-doi-13-2008-nd-cp-huong-dan-luat-chat-luong-san-pham-hang-hoa) and related laws.

4.1.1. Organizations and individuals importing plastic scrap as raw production materials must carry out the procedures for state inspection of quality of imported plastic scrap according to law, specifically as follows:

a) Registering state inspection of quality of imported plastic scrap at the inspection agency. A dossier of registration for state inspection comprises: documents specified at Point a, Clause 2c, Article 7 of Decree No. [132/2008 / ND-CP](https://vanbanphapluat.co/nghi-dinh-132-2008-nd-cp-huong-dan-luat-chat-luong-san-pham-hang-hoa) amended and supplemented in Clause 3, Article 1 of Decree No. [74 / 2018 / ND-CP](https://vanbanphapluat.co/nghi-dinh-74-2018-nd-cp-sua-doi-13-2008-nd-cp-huong-dan-luat-chat-luong-san-pham-hang-hoa) and other papers related to scrap import activities in accordance with the law on environmental protection;

b) Send a written notice to the customs authority, inspection authority and designated inspection organization about the time, place of inspection and sampling to assess the quality of imported plastic scrap in accordance with provisions of law;

c) Cooperate with inspection agencies and relevant agencies in the process of checking and inspecting quality of imported plastic scrap.

4.1.2. The inspecting agency receives, inspects and processes the application file for state inspection of quality of imported plastic scrap as prescribed in Clause 2c Article 7 of Decree No. [132/2008 / ND-CP](https://vanbanphapluat.co/nghi-dinh-132-2008-nd-cp-huong-dan-luat-chat-luong-san-pham-hang-hoa) amended , supplemented at Clause 3 Article 1 of Decree No. [74/2018 / ND-CP](https://vanbanphapluat.co/nghi-dinh-74-2018-nd-cp-sua-doi-13-2008-nd-cp-huong-dan-luat-chat-luong-san-pham-hang-hoa) , specifically as follows:

a) Receiving registration documents for state inspection of quality of imported plastic scrap;

b) Preside over and cooperate with customs authorities, appointed inspection organizations and relevant agencies to carry out inspection and sampling (in case of sampling) to assess the quality of goods lots. scrap plastic imported under the provisions of law;

c) Notify the result of state inspection of quality of imported plastic scrap to organizations and individuals registering for inspection in accordance with law.

4.2. Shipments of plastic scrap imported into Vietnam must be inspected, assessed and assessed in conformity with the technical regulations in Section 2 of this Regulation, serving as a basis for inspection agencies to handle according to regulations. under the law.

4.3. Inspection of imported plastic scrap shall be conducted by an appointed assessment organization or recognized under the provisions of law.

4.4. The determination of concentration and concentration of environmental parameters must be done by organizations that have been granted certificates of eligibility for environmental monitoring service activities according to the provisions of Decree No. [127/2014 / ND -CP](https://vanbanphapluat.co/nghi-dinh-127-2014-nd-cp-quy-dinh-dieu-kien-to-chuc-hoat-dong-dich-vu-quan-trac-moi-truong) dated December 31, 2014 of the Government stipulating conditions of organizations conducting environmental monitoring services. The determination of the mass ratio, the impurity content and other parameters is done by the organization that has been granted the trial operation registration certificate according to the provisions of Decree No. [107/2016 / ND-CP](https://vanbanphapluat.co/nghi-dinh-107-2016-nd-cp-quy-dinh-kinh-doanh-dich-vu-danh-gia-su-phu-hop-2016) .

4.5. The designated inspection organization shall provide documents about the results of inspection of plastic scrap cargo (inspection certificate) to the organization or individual requesting inspection and the inspection agency. In particular, the content of inspection certificate must fully show results of mass ratio, impurity content and other technical regulations in Section 2 of this Regulation (enclosed with: photos of the units). inspection positions and sampling locations are stored on CD / DVDs; return of analysis and testing results of representative samples provided by organizations that have been granted certificates of eligibility for translation activities Department of environmental monitoring or Certificate of registration of testing activities).

**5. ORGANIZATION OF IMPLEMENTATION**

5.1. State management agencies on environmental protection and organizations and individuals involved in the import of plastic scrap from foreign countries must comply with the provisions of this Regulation.

5.2. State management agencies in charge of environmental protection shall guide and inspect the implementation of this Regulation.

5.3. In case the legal documents cited in this Regulation are amended, supplemented or replaced, the provisions of the new document will apply. In case the standards cited in this Regulation are amended, supplemented or replaced, the new documents will be applied./.

| **PROPERTIES TCVN QCVN32: 2018 / BTNMT** |
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