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**Sorting quality requirement for waste composite
package**

废复合包装分选质量要求

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Sorting quality requirement for waste composite package

1 Scope

This Standard specifies the sorting, grading quality requirements, sampling and testing methods of waste composite package.

This Standard applies to paper-based waste composite package, plastic-based waste composite package and metal-based waste composite package, other than hazardous waste and medical waste. Other waste composite packages can be implemented with reference to this Standard.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only the dated version applies to this document. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 4122.1, Packaging terms - Part 1: Basic

GB 8978, Integrated Wastewater Discharge Standard

GB/T 13393, Guide to acceptance sampling inspection

3 Terms and definitions

Terms and definitions determined by GB/T 4122.1 and the following ones are applicable to this document.

3.1 Waste composite package

The package, that loses the use function or does not meet the product standard in the process of production and use, which is made of a material among paper, plastic, and metal, as the basic structure, and processed with other materials through a composite process.

Note: Including multi-material packaging waste that is generated during the production process, defective products and multi-material packaging waste after use.

3.2 Carried-waste content

The percentage of carried-wastes, such as ceramics, glass, cement blocks, stones, sand, and food residues, in the mass of waste composite package.

4 Sorting

4.1 The carried-wastes in the waste composite package shall be sorted, so as to ensure the purity of the materials that are obtained from recycling.

4.2 Classification and sorting shall be carried out according to the main components of waste composite package materials. See Appendix A for the categories, components and examples of waste composite package.

4.3 The waste composite package shall not be mixed with hazardous waste, medical waste, heavy metal compounds and other carried wastes.

4.4 Automatic sorting equipment, such as magnetic sorting, gravity sorting, and photoelectric sorting, should be used during the sorting process.

4.5 The sorting personnel shall be equipped with necessary safety protection products, such as protective gloves, dust masks and work clothes.

4.6 The solid waste which is generated during the sorting process shall be handed over to an organization that is equipped with relevant qualifications for disposal.

4.7 The waste water from sorting operations shall be collected for treatment. Separate treatment or centralized treatment shall be selected according to the condition of the pollutants. Wastewater discharge shall meet the requirements of GB 8978 or local water pollutant discharge standards. High-efficiency, energy-saving and environmentally friendly sludge treatment processes should be used; otherwise, it should be handed over to a qualified waste treatment organization to realize the harmless treatment of sludge.

5 Grading quality requirements

See Table 1 for the grading indexes and quality requirements of waste composite package.

Table 1 -- Grading indexes and quality requirements of waste composite package

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