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Down and feather

羽绒羽毛

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Down and feather

1 Scope

This Standard specifies the terms and definitions, requirements, test methods, judgment rules, marking, packaging, transportation and storage of down and feather.

This Standard applies to the production, processing and trade of down and feather.

2 Normative references

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

GB/T 10288, Testing methods for down and feather

GSB 16-2763, Photographic Standard of Down and Feather

3 Terms and definitions

The following terms and definitions are applicable to this document.

3.1

Down and feather

A collective term for the down and feather that grow on waterfowl. Where the nominal value of "down content" is greater than or equal to 50%, it is called "down"; where the nominal value of "down content" is less than 50%, it is called "feather". Common species are goose down and duck down.

3.2

Down

Including down cluster, nestling down, plumule, damaged down.

3.3

Down content

The mass percentage of down in down and feather.

3.4

3.12**Feather fiber**

A single feather branch that falls off the feather surface.

3.13**Quill feather**

A feather whose length is greater than or equal to 12 cm, or whose feather root length is greater than or equal to 1.2 cm.

3.14**Colored down and feather**

Colored down and feather in white goose and white duck down and feather.

3.15**Damaged feather**

Feathers damaged by worms, mildew and machine during processing, including broken feathers and feathers whose damaged area exceeds one third of the total area.

3.16**Landfowl feather**

The feathers of terrestrial birds. Common species are chickens, pigeons, and ostriches.

3.17**Residue**

Sand, dust, dander, small blood vessels and other foreign objects.

3.18**Filling power**

In a container of a certain diameter, the volume occupied by a certain amount of down and feather samples under a specified pressure.

3.19**Oxygen number**

The amount of oxygen in the potassium permanganate that is consumed by the reducing substances in the filtrate, after vibration and filtration of the down and feather sample, expressed in mg value corresponding to 100 g of the sample.

3.20

Turbidity

The measured value of the water washing filtrate of the down sample, which is measured with a turbidimeter; it indicates the degree of cleanliness of the down and feather.

3.21

Fat and oil content

The mass percentage of fat and other fats absorbed in a unit mass of down and feather.

4 Requirements

Down and feather products are not allowed to contain quill feathers, and the quality requirements shall comply with the provisions of Table 1.

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