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THE PEOPLE'S REPUBLIC OF CHINA

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YC/T 164-2012

Replacing YC/T 164-2003

Tobacco flavor

烟用香精

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Foreword

This Standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This Standard is the revision of YC/T 164-2003 "Tobacco flavourings and casings". From the date of implementation, this Standard replaces YC/T 164-2003.

Compared with YC/T 164-2003, the main changes of this Standard are as follows:

- The standard name was changed to "Tobacco flavor";
- DEFINE the scope of the standard;
- Tobacco flavors may refer to this Standard;
- MODIFY the English expressions and definitions of tobacco flavor;
- DELETE the definition of casings;
- ADD the requirements for raw materials;
- ADD the provisions of appearance requirements;
- MODIFY and SUPPLEMENT the specific requirements for packaging, marking, transportation and storage of tobacco flavor;
- ADD the provisions of inspection classification;
- ADD the provisions of re-inspection rules.

This Standard was proposed by the State Tobacco Monopoly Bureau.

This Standard shall be under the jurisdiction of the Branch Technical Committee on Material for Tobacco Products of National Standardization Technical Committee on Tobacco (SAC/TC 144/SC 8).

Drafting organizations of this Standard: Zhengzhou Tobacco Research Institute of China National Tobacco Corporation, China Tobacco Standardization Research Center, Anhui Tobacco Industry Co., Ltd., Hongta Tobacco (Group) Co., Ltd., Huafang Tobacco Flavor Co., Ltd., He'nan Tobacco Industry Co., Ltd., Shenzhen Bolton Flavor Co., Ltd., Warburg Food Flavors and Fragrances (Shanghai) Co., Ltd., Yunnan Ruisheng Tobacco Technology (Group) Co., Ltd. AND China National Tobacco Quality Supervision and Inspection Center.

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Tobacco Flavor

1 Scope

This Standard specifies the terms and definitions, technical requirements, test methods, inspection rules, packaging, marking, transportation and storage of tobacco flavor.

This Standard applies to the detection of tobacco flavor products. Tobacco fragrance may also refer to this Standard.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this Standard.

GB/T 5009.74 Method for limit test of heavy metals in food additives

GB/T 5009.76 Determination of arsenic in food additives

YC/T 145.1 Tobacco flavor - Determination of acid value

YC/T 145.2 Tobacco flavor - Determination of relative density

YC/T 145.3 Tobacco flavor - Determination of refractive index

YC/T 145.4 Tobacco flavor - Determination of refractive index

YC/T 145.5 Tobacco flavor - Evaluation of clarity

YC/T 145.6 Tobacco flavor - General method for evaluation of odor quality

YC/T 145.7 Tobacco flavor - Identification and storage of standard sample

YC/T 145.8 Tobacco flavor - General method for evaluation of flavor quality

YC/T 145.9 Tobacco flavor - General method of determination of total volatile constituents

YC/T 145.10 Tobacco flavor - Sampling

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Tobacco fragrance

Fragrance that is, individually or after it is deployed into flavor, added to tobacco and tobacco products.

3.2

Tobacco flavor

The mixture that is deployed with two or more fragrances, appropriate amount of solvent and other ingredients, which is to enhance or modify the style of tobacco products or improve the quality of tobacco products during the processing of tobacco products. According to the difference of applied processes and effects, it can be divided into top dressing flavor (also known as top flavor) and casing flavor (also known as casing).

3.3

Top dressing flavor

Tobacco flavor that is added in the top dressing process of tobacco products. It is used in the cut-tobacco after process treatment and drying, so as to enhance the smell of cigarettes and the characteristic aroma when smoking.

3.4

Casing flavor

Tobacco flavor that is added in the casing process of tobacco products. It has the effects of improving tobacco smell, increasing toughness, enhancing moisture retention, improving combustion and reducing damage.

4 Technical requirements

4.1 Requirements for raw materials

The raw materials used in tobacco flavor shall comply with the relevant specifications of the state and the tobacco industry.

4.2 Heavy metal limits

- When there are significant changes in raw materials of tobacco flavor products, which may affect product performance;
- For each full-year, when the tobacco flavor products are produced normally;
- When the production of tobacco flavor products is resumed after a long-term shutdown;
- When national or industry quality supervision agency of tobacco flavor proposes type inspection requirements;
- When it is provisioned in the contract of tobacco flavor products.

7.4 Supervision inspection

Supervision inspection items are determined by the state or industry quality supervision agencies.

7.5 Determination and re-inspection rules

7.5.1 If there is (are) one or more than one item(s) of heavy metals (in Pb) content and arsenic (in As) content that fails to comply with the specifications in Table 1, then this batch of tobacco flavor is determined as non-conformance products.

7.5.2 If there is (are) one or more than one item(s) of appearance, miscibility, odor quality and flavor quality that fails to comply with the specifications in Table 2, then this batch of tobacco flavor is determined as non-conformance products.

7.5.3 If there is (are) one or more than one item(s) of acid value, relative density, refractive index and total volatile constituents that fails to comply with the specifications in Table 3, then this batch of tobacco flavor is determined as non-conformance products.

7.5.4 If the test result of one indicator does not comply with the specifications of Chapter 4, it shall conduct re-inspection. The re-inspection samples are extracted from the backup samples. If the re-inspection results are still unsatisfactory, the indicator is determined as non-conformance. If the re-inspection results are satisfactory, it shall re-sample, to conduct a second re-inspection; if the re-inspection is satisfactory, then this indicator is determined as conformance.

8 Packaging, marking, transportation and storage

The packaging of tobacco flavor products shall be non-toxic and odorless. It shall ensure that the product will not be damaged and leaked during storage and transportation. It shall ensure the safety during transportation.

For tobacco flavor products, it shall be clearly indicate, on the label and the prominent position of packages, the name and detailed address of manufacturing enterprises, product name or code, trademarks (if registered), net weight, batch number, production date, shelf life, storage conditions, product standard number, name of solvents (if containing) and technical indicators (relative density value and refractive index value). Each batch of products shall be accompanied with quality conformance certification when exiting the factory.

Tobacco flavor products shall be handled with care, not tapping and inversion during transportation. They shall be stored in cool, dry, ventilated and fireproof warehouse.

_____ **END** _____

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