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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YC/T 169.8-2009

Replacing YC/T 169.8-2002

Determination of physical and chemical characteristics of tow for cigarette. Part 8: Moisture content

(English Translation)

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Foreword

YC/T 169 "cigarette tow physical and chemical properties of determination" is divided into 12 parts.

--- Part 1. tow linear density;

--- Part 2. Single yarn density;

--- Part 3. number of crimps;

--- Part 4. tow crimp index and the crimp tow elastic recovery;

--- Part 5. breaking strength;

--- Part 6. cross-sectional shape and radial shaped degree;

--- Part 7. Regain;

--- Part 8. moisture content;

--- Part 9. oil content;

--- Part 10. residual acetone content;

--- Part 11. Titanium dioxide content;

--- Part 12. Packaging and appearance.

This section YC/T 169 Part 8.

This Part replaces YC/T 169.8-2002 "tow for cigarette was measured series of standards - Part 8. moisture content." this section compared with YC/T 169.8-2002 main changes are as follows.

--- By the name of this section. Change "series of standards for cigarette tow measuring moisture content in Section 8," "physical and chemical properties of cigarette tow

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Determination - Part 8. Moisture content ";

--- 6.4 "105 °C ± 3 °C" changed to "105 °C ± 2 °C";

--- Measurement report adds two things. "the provisions of this part of the step of determining the difference" and "observed abnormal test phenomenon".

This part by the State Tobacco Monopoly Bureau.

This part of the National Standardization Technical Committee of tobacco smokable material Technical Committee (SAC/TC144/SC8) centralized.

This section drafted by. China National Tobacco Quality Supervision and Inspection Center.

1 Scope

YC/T of the provisions of section 169 of the cigarette tow method for the determination of moisture content.

This section applies to tobacco cellulose diacetate tow.

2 Normative references

The following documents contain provisions which, through reference YC/T 169 of this text, constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

YC/T 26 cigarette two cellulose acetate tow Principle 3 Sample than the quality of the original mass of the sample is a sample of water constant weight when reduced to bake under the provisions of the drying temperature, mass fraction (%) Said.

4 Equipment

4.1
Balance. a sense of the amount of 0.001g.

4.2
thermostat blast oven. Temperature fluctuation ± 1 °C, temperature uniformity of ± 2 °C.

4.3
Sample case. a diameter of about 64mm, height of about 40mm, sealing requirements.

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4.4
Other tools. silica gel dryers, yarn gloves, scissors and so on.

5 Sampling

Sampling prescribed YC/T 26's. After sampling should be weighed into the sample vessel and quickly sealed.

6 Measuring step

6.1
Oven power is turned on, and keep the vents in the half-open state, the inside temperature stable at 105 °C ± 2 °C.

6.2
Open the sample lid, the lid will be placed in the box with the middle oven drying 30min, stamped out into a dryer, cooled to room temperature 6.3 clip from the sample two strands, each mass of about 10g, were placed in two samples of known mass of the box, and be covered with lid

6.4
Open the sample lid, the lid will be placed in the box with the middle oven dried sample cell density of 1/160cm2 ~ 1 Ge/200cm2;

When temperatures rise and be maintained at 105 °C ± 2 °C, start timing.

6.6
Determination of personnel during the measurement should wear gloves yarn.

7 The results are shown 7.1 moisture content according to formula (1).

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