

ICS 65.160
CCS X 85

YC

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YC/T 145.1-1998

Replacing YC/T 145.1-1998

**Tobacco flavor. Determination of acid value
(English Translation)**

Issued on: January 1, 1970

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Foreword

YC/T 145 consists of the following components.

- Part 1. Determination of smoke flavor with acid value;
- Part 2. Determination of relative density of smoke flavor;
- Part 3. Determination of smoke flavor refractive index;
- Part 4. Assessment of tobacco flavor in ethanol miscible degrees;
- Part 5. Assessment tobacco flavors with clarity;
- Part 6. Generic smoke flavor aroma quality evaluation methods;
- Part 7. tobacco flavor determine the standard samples and preservation;
- Part 8. Methods of evaluating the smoke flavor generic quality;
- Part 9. smoke flavor universal detection method with a total of volatile components;
- Part 10. Sampling tobacco flavor;
- Part 11. Smoke complex sample pretreatment methods flavor.

This section YC/T 145 - Part 1.

This section drafted in accordance with the rules of GB/T 1.1-2009 and GB/T 20001.4 given.

This part is the YC/T 145.1-1998 "smoke flavor acid value measured by" amendment. This section from the date of implementation of substitute YC/T 145.1-1998.

This section compared with YC/T 145.1-1998, the main technical differences are as follows.

- Removed Normative references GB/T 14455.2-1993 oil sampling methods;
- Increasing the normative references YC/T 145.10 tobacco flavor sampling;
- Increasing the standard alkaline solution of sodium hydroxide standard solution used for the titration;
- Increasing the high concentration of standard solution of sodium hydroxide and potassium hydroxide in ethanol standard solution;
- Increasing the measurement results of significant digits requirements;
- Increasing the content of the test report;
- Increased testing methods automatic titrator.

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 Corporation, Zhengzhou Tobacco Research Institute, China Tobacco Standardization Research Center, the Anhui Tobacco Industry Co., Ltd, Hongta Tobacco (Group) Co., Ltd. Huafang tobacco flavor, Henan Tobacco Industry Co., Ltd., Shenzhen wave Dayton spices Limited, Warburg food flavors and fragrances (Shanghai) Co., cloud NARI liters Tobacco Technology (Group) Co., Ltd., the State Tobacco Quality the amount of supervision and inspection center.

1 Scope

YC/T in this part 145 specifies the method for the determination of smoke flavor acid value.

This section applies to the determination of the acid value of tobacco flavor.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

Laboratory use specifications and test methods GB/T 6682 Analysis Preparation of GB/T 14454.14 spices standard solution, the test solution and the indicator solution YC/T 145.4 tobacco flavor in ethanol miscible assess the degree YC/T 145.10 sampling tobacco flavor

3 Terms and Definitions

The following terms and definitions apply to this document.

Tobacco flavor acid value acidvalueoftobaccoflavor 1g and the number of milligrams of

potassium hydroxide smoke flavor contained in the free acid required.

Principle 4

With a standard solution of sodium hydroxide or potassium hydroxide in ethanol standard solution and the free acid.

5 Reagents

5.1

reagents were analytical grade reagents.

5.2

water should meet GB/T 6682 in the three water requirements.

5.3

neutral analytical grade ethanol, prepared according to GB/T 14454.14 regulations.

5.4 Aqueous ethanol

According to the measured mix of smoke flavor dissolved, according to YC/T 145.4 provides that the use of neutral analytical grade ethanol (5.3) the preparation of an appropriate concentration of acetic Aqueous alcohol solution.

5.5 Standard solution of sodium hydroxide

$c(\text{NaOH}) = 0.1\text{mol/L}$, prepared according to GB/T 14454.14 regulations.

5.6 Standard solution of sodium hydroxide

$c(\text{NaOH}) = 0.5\text{mol/L}$, prepared according to GB/T 14454.14 regulations.