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

YC/T 547.4-2017

**Specification of technical check for the special measuring
instrument of tobacco industry-- Part 4: The cigarette and filter
rod circumference instrument**

(English Translation)

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Foreword

YC/T 547 "Specifications for Technical Examination of Special Measuring Instruments for Tobacco Industry" includes but is not limited to.

- Part 1. Basic requirements and working procedures;
- Part 2. Cigarette suction resistance and filter rod pressure drop detection equipment;
- Part 3. Cigarette and filter rod length testing equipment;
- Part 4. Cigarette and filter rod circumference testing equipment;
- Part 5. Cigarette and filter rod hardness testing equipment;
- Part 6. Cigarette ventilation rate testing equipment;
- Part 7. Tobacco or stem cutting value detection equipment.

Add new parts as needed.

This part is the fourth part of YC/T 547.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

1 Scope

This part of YC/T 547 provides technical review for the tobacco industry's special measuring instrument cigarettes and filter rod circumference testing equipment.

The technical requirements on which the data review and test validation review are based.

This part is applicable to the technical review of cigarettes and filter rod circumference testing equipment for tobacco industry special measuring instruments.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

YC/T 545-2016 General technical conditions for cigarette and filter rod length and circumference testing equipment YC/T 547.1-2016 Specification for technical review of measuring instruments for the tobacco industry - Part 1. Basic requirements and procedures JJG (Tobacco) 01-2012 Verification Procedure for Comprehensive Test Bench for Physical Properties of Cigarettes and Filter Rods

3 Working procedures

Technical review of cigarette and filter rod circumference testing equipment is carried out in accordance with the working procedures described in Chapter 3 of YC/T 547.1-2016.

4 Technical data review

4.1

The enterprise applying for technical review shall provide relevant funds to prove that the enterprise meets the application conditions as required by 2.4 of YC/T 547.1-2016.

Materials (given in 2.3 of YC/T 547.1-2016) and technical information of measuring instruments, the technical information shall include the following contents.

- a) Description of the product measurement principle;
- b) instructions for use of the product;
- c) the accuracy parameter description data of the key imaging module;
- d) Test report of technical indicators such as maximum allowable error, measurement range and resolution of the product;
- e) the baffle structure diagram of the product;
- f) the structure of the gripper of the product;
- g) description of the product's setting of sampling times;
- h) instructions for the measurement of the rotation angle setting of the product;
- i) product descriptions of measurement data processing;
- j) Test report of the product supporting the standard rod.

4.2

Description of the product measurement principle The data should be able to prove that the sample can be calculated by rotating multi-point measurement when the sample is in the test state of the device.

circumference.

4.3

The test report of the maximum allowable error, measurement range, resolution and other technical indicators of the product shall prove that its performance satisfies YC/T 545-Requirements for 4.7, 4.8, and 4.9 in 2016.

4.4

The baffle structure diagram of the product shall demonstrate that the baffle structure complies with the requirements of 4.3(a) of YC/T 545-2016.