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**Leaf tobacco. Determination of strip particle size and
distribution. Area method
(English Translation)**

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Foreword

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

This standard was proposed by the State Tobacco Monopoly Bureau.

This standard by the National Standardization Technical Committee on Tobacco Cigarette Technical Committee (SAC/TC144/SC1) centralized.

This standard drafting units. China Tobacco Corporation, Zhengzhou Tobacco Research Institute, Fujian tobacco industry limited liability company, Hongyun Honghe Tobacco (set Group) Co., Ltd., Hongta Tobacco (Group) Co., Ltd., Anhui tobacco industry limited liability company.

Introduction

When issuing authority of the document drew attention to the statement of compliance with this document may involve Chapter 5, Chapter 8, and Appendix A "for Tobacco leaf area measured materials systems, "" an tobacco leaf area measurement system "," characterization "one kind of tobacco leaf structure related the use of patents.

The issuing authority for the patent document authenticity, validity and scope without any position.

The patent holder has to ensure that the issuing authority of the document, he was willing to reasonable and non-discriminatory terms and conditions with any applicant, Patent licensing negotiations. The patent holder's statement has been filed in the release mechanism of the present document. Related information is available through the following Contact at.

Patent Holder Name. China National Tobacco Corporation, Zhengzhou Tobacco Research Institute.

Address. Zhengzhou City, Henan Province High-tech Industrial Development Zone 2 Poplar

Street.

Please note that in addition to the above patents, some of the contents of this document may still involve patents. The issuing authority of this document does not undertake to recognize these special Lee responsibility.

Determination of tobacco leaf in size and distribution of tobacco Leaf area method

1 Scope

This standard specifies the method for determination of sheet tobacco and silk process after threshing machinery products, tobacco sheet size and its distribution.

This standard applies to the determination of mechanical products, sheet size and distribution of tobacco smoke and silk sheets in the process after threshing.

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.

YC/T 146-2010 Tobacco Roasting Process Specification YC/T 147-2010 threshing tobacco quality inspection

3 Terms and Definitions

The following terms and definitions apply to this document.

Sheet tobacco area stripparticlearea Place smoke natural state backsheet level projected area.

Interval area percentage percentageofanarearange an area of the sheet tobacco area within the interval and the percentage of the total area of the sample.

Tobacco sheet size distribution distributionofstripparticlearea Sheet tobacco area of the different areas within the interval and the proportion of the total area of the sample.

Sheet tobacco characteristic area characteristicareaofstrips Greater than or equal to a certain area of the area of the sheet tobacco samples and accounted for the total area ratio of 50% corresponding to the size of the area.

Uniformity coefficient Tobacco sheet reflects the size distribution of the parameters.

Principle 4

Discrete feeding system of the sheet tobacco shop completely discrete samples, using an image acquisition device to obtain sheet tobacco discrete digital image by image

processing and analysis, the number of pixels occupied by each piece of smoke in the calculation of an image, according to the actual area corresponds to a single pixel, to calculate the measured surface sheet tobacco product. According to the percentage of area calculation section area of each piece of tobacco, sheet size distribution by fitting equation to obtain sheet tobacco size distribution equation parameters Number of sheet tobacco and uniformity coefficient, and calculates feature sheet tobacco area.