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

GB/T 24618-2009

**Routine analytical cigarette-smoking machine -- Additional test
methods**

常规分析用吸烟机 附加测试方法

(English Translation)

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Foreword

This revised standard adopts ISO 7210:1997 "routine analytical smoking machine Additional test methods" (in English).

This standard is based on ISO 7210:1997 redrafted.

Taking into account China's national conditions, and ISO 7210. compared to the presence of a small amount of technical differences 1997 standard, these technical differences have been incorporated into positive Wen, and they are involved in terms of the margin identified by a single vertical line. These technical differences are given in Appendix A, and its prime Because the list for reference.

This standard ISO 7210 in the structure 1997 slightly different, the upcoming ISO 7210:1997 in Chapter 3, Chapter 4, Chapter 5 of Definition of a merger, the formation of this standard "3 Terms and definitions", the serial number of the other chapters postponed.

For ease of use, and ISO 7210:1997 as compared to the present standard do the following editorial changes.

--- Remove the ISO 7210:1997 Foreword;

--- Added Appendix A "of this standard and ISO 7210:1997 technical differences and their causes." Appendix A of this standard is an informative annex.

This standard was proposed by the State Tobacco Monopoly Bureau.

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

This standard drafting units. China Tobacco Standardization Research Center.

1 Scope

This standard specifies a routine analytical smoking machine additional test methods to test the smoke machine compliance GB/T 16450 requirements.

Additional test methods specified in this standard only for smoking machine test does not involve actual smoking process.

Additional test methods specified in this standard, including drop tests, pumping tests and limiting pumping test traffic map.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 16447 Tobacco and tobacco products for conditioning and testing atmospheres (GB/T 16447-2004, ISO 3402:1999, IDT) GB/T 16450 routine analytical smoking machine Definitions and standard conditions (GB/T 16450-2004, ISO 3308:2000, MOD)

3 Terms and Definitions

The following terms and definitions apply to this standard.

Constant flow of 17.5mL/s airflow through the smoke machine, smoke machine, static pressure between the gas path difference between any two points.

Directly behind the butts measured gas flow rate as a function of time drawn graphics.

Successive interval between puffs of cigarette butts do not end with the atmosphere communicating state.

Successive interval between puffs, all of the gas by the end of the cigarette butts off out of the Plaza.

4.1 Principle

Subject to the air flow conditions, using a suitable pressure gauge to drop smoking machine test.

4.2 Instrument

The entire gas path between the end of the cigarette butts and the suction mechanism should have as little resistance, and should not exceed 300Pa. Pressure Testing Equipment

should meet the following requirements.

- During the test, the test equipment should be generated by a constant flow from the system under test Pressure Drop;
- Instrument should have sufficient accuracy drop tests.

Figure 1 illustrates the principle of the instrument.