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

GB/T 12660-2008

Replacing GB/T 12660-1990

**Pulps -- Determination of drainability -- Canadian standard
freeness method**

纸浆 滤水性能的测定 “加拿大标准” 游离度法

(English Translation)

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Foreword

This revised standard adopts ISO 5267-2:2001 "Determination of pulp drainage performance - Part 2." Canadian Standard "freeness method." this standard and ISO 5267-2:2001 and its causes differences in Appendix B.

This standard replaces GB/T 12660-1990 "Determination of pulp drainage performance of" Canadian Standard "freeness method." this standard compared with GB/T 12660-1990, the main changes are as follows.

- Increased the preamble;
- Increased principle, Appendix A, Appendix B of the relevant content;
- In Chapter 6 sets out the entire testing process should use the standard distilled or deionized water;
- In Chapter 7, the method of calculating the increase in the concentration of the pulp and content.

The standard Appendix C, Appendix D, Appendix E, Appendix F, Appendix G are normative appendices, Appendix A, Appendix B is an informative annex.

The standard proposed by China National Light Industry Council.

The paper industry standard by the National Standardization Committee (SAC/TC141) centralized.

This standard was drafted. Tianjin People's Republic of China Entry-Exit Inspection and Quarantine Bureau, People's Republic of China Guangdong Entry-Exit Inspection and Quarantine Bureau of China Pulp and Paper Research Institute.

1 Scope

This standard specifies the method of the pulp suspension filtration performance measurement, results with the "Canadian Standard" freeness, said unit ML.

In principle, the method is applicable to the determination of various pulp suspension.

Note: The large number of fine fibers on the freeness may cause irregular rise untrue freeness value is generally lower than 100mL.

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 5399 pulp slurry concentration measurement (GB/T 5399-2004, ISO 4119:1995, IDT)
QB/T 3703 pulp laboratory sheets prepared by conventional sheet former method ISO 4094
paper, cardboard, pulp test equipment calibration standards laboratories and internationally accredited laboratories appointment and acceptance

3 Terms and Definitions

The following terms and definitions apply to this standard.

After adjusting the temperature and the slurry concentration of the sample volume from the "Canadian Standard" freeness tester side tubes flowing water, expressed in milliliters.

Principle 4

A volume of a pulp suspension, measured fibrous filter layer is formed by drainage sieve, the filtrate flows into a straight tube and having a Side tube funnel, measuring the volume of filtrate discharged from the side of the tube. The filtrate volume is discharged pulp "Canadian Standard" freeness, milli Expressed in liters.

5 Instruments

General laboratory instruments and 5.1 "Canadian standard" freeness tester. comply with the provisions of Appendix C.

NOTE: Appendix D describes the "Canadian standard" freeness instrument maintenance, described in detail in Appendix E of the "Canadian standard" freeness instrument calibration method. In addition, with Appendix E also introduced proofreading laboratory conditions.

5.2

cylinder. the nearest ml, the volume is less than 100mL, measurement error should be less than 1.0mL; volume at 100mL ~ 250mL, measured Fixed error should be less than 2.0mL; the volume is greater than 250mL, measurement error should be less than 5.0mL.

5.3

Balance. a sense of the amount of 0.01g.

Note: Although the determination of the mass of the filtrate from the side of the tube, with a sense of balance amount of 0.1g is sufficient, but a sense of balance amount should be measured 0.01g slurry concentration.

6 Preparation, samples

6.1

Drainage pulp suspension will be dissolved and affect the pH of the test water solid throughout the trial process should use distilled