

ICS 85.010
CCS Y30



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

GB/T 10340-2008

Replacing GB 10340-1989

Paper and board - Determination of filtering rate

纸和纸板过滤速度的测定

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Quarantine of the People's Republic of China;
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Foreword

This standard is GB/T 10340-1989 "Paper and paperboard filtration rate assay" amendments. This standard replaces GB/T 10340-1989. This standard compared with GB/T 10340-1989, the main changes are as follows:

- To increase the content of the normative references (Chapter 2 of this edition);
- Increased reagent (Chapter 5 of this edition);
- Increasing the drainage rate results rounding (edition 9.3);
- The purified water temperature from 20 °C revised to 23 °C (this version 8.2.1);
- Modified test procedure (Chapter 8 of this edition). The standard proposed by China National Light Industry Council. This standard by the National Standardization Technical Committee of the paper industry. This standard was drafted. Product Quality Supervision and Inspection Institute of Henan Province, China Pulp and Paper Research Institute. The main drafters of this standard. Li Hong, Su Jun, Xuyan Qiu. This standard replaces the standards previously issued as follows:
 - GB/T 10340-1989. This standard by the National Standardization Technical Committee is responsible for interpreting the paper industry. Paper and paperboard filtration rate

1 Scope

GB/T 10340-2008 is the Chinese national standard on paper and board - determination of filtering rate, in the field of paper technology. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 19 August 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2009. Classification: ICS 85.010, CCS Y30. This page is published from the official record of the standard held by the

Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the method for determination of paper and paperboard filtration velocity. This standard applies to a certain wet strength filter paper and cardboard, not apply to the processing of resin, its surface is not hydrophilic or incomplete pro- Water filter paper and cardboard.

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 450 and take samples to an aspect of paper and paperboard samples, positive and negative determination (GB/T 450-2008, ISO 186. 2002, MOD)

GB/T 10739 paper, paperboard and pulp sample processing and testing standard atmospheric conditions (GB/T 10739-2002, eqv ISO 187. 1990)

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 When the pressure is on both sides of the sample 1kPa (ie 100mm water column) when, 100mL of water through a diameter of 35.7mm (area 10cm²) test Like the time required in s.

3.2 When the pressure is on both sides of the sample 1kPa (ie 100mm water column), the water unit time through unit area of \u200b\u200bspecimen to mL/(cm² ·

s) FIG. Principle

4 In 1kPa (ie 100mm water column) constant pressure, purified water 100mL (23 ± 1) °C through 35.7mm diameter sample required Time, you can evaluate the relative performance of the water treatment filter paper and paperboard.

5 Reagents

Purified water. conductivity of 3.2 x 10⁷mS/m ~ 4.4 x 10⁷mS/m of water containing 0.02% NaCl or distilled or deionized Ionized water, dried 0.8µm filter or equivalent filter paper, and heat pump water or vacuum degassed.

6 Instruments

General laboratory instruments and filtration rate meter (see Figure 1), which requires.

- a) determining the filter thickness in the range of 0.10mm ~ 3.00mm;
- b) an effective filtration area of 10 ± 0.05 cm²;
- c) the inner diameter of the clamp ring 35.7mm;