

ICS 85-010
CCS Y 30



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

GB/T 22896-2008

**Paper and board -- Determination of curl -- Single vertically
suspended test piece**

纸和纸板 卷曲的测定 单个垂直悬挂试样法

(English Translation)

Issued on: December 30, 2008

Implemented on: September 1, 2009

Issued by: Standardization Administration of China

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Foreword

This revised standard adopts ISO 11556:2005 "Paper and board measurement sample using a single vertically suspended curl." this standard and ISO 11556:2005 as compared to the main technical differences are as follows.

--- Normative references to international standards in the ISO standard document references into its corresponding national standard, GB/T 450 paper and to take samples and specimens of vertical and horizontal to the board, positive and negative determination (GB/T 450-2008, ISO 186:2002, MOD);

--- International Standard ISO document standard will be referenced in the normative references converted to its corresponding national standard, GB/T 10739 paper, paperboard and pulp sample processing and testing standard atmospheric conditions (GB/T 10739-2002, eqv ISO 187:1990).

The Standard Appendix B, Appendix C are normative appendices, Appendix A, Appendix D is an informative annex.

The standard proposed by China National Light Industry Council.

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

This standard was drafted. China Pulp and Paper Research Institute, China Paper Association Professional Committee of Standardization.

1 Scope

This standard specifies the vertical suspension method for determining the sample paper curl.

In the following cases, this standard can be used to determine all curling.

--- A curved shape formed approximately in an arc;

--- Samples were cut and measured in the process, curl should remain stable, should

ensure that the sample after exposure to curl or curl Under a constant environment, such as a laboratory or a print shop.

Note 1: Determination selects the Environment and the time required depends on the purpose of the test.

Note 2: For single-sided coated paper or adhesive labels, the post which produced, should be placed at least 24h, wait until the stable performance, in order to carry out all the volumes Determination of the song.

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, code

The following terms and definitions apply to this standard code.

Deviation from a plane.

Note: Determination of curling consists of three major components.

- Curl;
- Paper lengthwise and related volume crank angle;
- Paper curl toward the surface.

3.1.1

The size of the extent of deviation from the measurement sample plane.

Note 1: The degree of curvature can be expressed as the reciprocal of the sample crimp radius of curvature, the unit m⁻¹.

Note 2: radius of curvature of the curl of the sample refers to the distance between the arc center of the arc. For flat sheet, the reciprocal of the radius of curvature is zero.

Note 3: The time depends on the characteristics of the paper curling, and all are likely to occur temporary.

3.1.2

From the angle of observation concave roll paper and the paper lengthwise between the crankshaft (see Appendix A).