

ICS 85-010
CCS Y 30



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

GB/T 22894-2008

**Paper and board -- Accelerated ageing -- Moist heat treatment
at 80 Celsius and 65% relative humidity**

纸和纸板 加速老化 在80℃和65相对湿度条件下的湿热处理

(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 5630-3:1996 "Paper and board - Accelerated aging - Part 3. Relative humidity conditions at 80 °C and 65% Wet heat treatment "under the member.

Appendix A gives a list of the control of the national standards with international standards provisions.

Appendix B gives a list of the national standards with international standards and technical reasons for the differences.

The Standard Appendix A, Appendix B and Appendix C are informative appendices.

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. People's Bank of China Printed Science and Technology Institute, China Pulp and Paper Research Institute.

1 Scope

This standard specifies the paper and cardboard wet heat treatment at 80 °C and 65% relative humidity conditions of accelerated aging methods.

This standard applies to printing and writing paper, cardboard and other types of paper can be adopted by reference.

This standard does not apply to the resin impregnated paper, paint and electrical insulating paper.

This test method is paper and paperboard properties are not specified. In order to evaluate the performance of paper or cardboard, or the corresponding national standards may be

His determination right.

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)

Principle 3

The sample was placed in 80 °C and 65% relative humidity, a predetermined time after treatment, some of the performance before and after sample processing, such as tensile strength, Folding strength and other properties, optical properties and changes in brightness, pH and other chemical properties, it can be approximated to infer a few years later of paper and paperboard Natural variations or similar paper stability strength order.

4 Instruments and equipment

4.1

aging box. can be controlled at a temperature of $(80 \pm 0.5) ^\circ\text{C}$ and relative humidity $(65 \pm 2)\%$ condition. It can be used to automatically adjust the temperature and humidity Climate chamber, can also be used as described in Appendix C processing temperature and humidity instrument.

NOTE: In order to ensure that the fluctuation range of less than 2% relative humidity, should strictly control the temperature error is less than $0.5 ^\circ\text{C}$.

4.2

Performance Analyzer. relative performance analyzer shall comply with the relevant national standards or other appropriate testing methods.

4.3

dryer. or other pre-processors, the relative humidity should be controlled at 10% to 35%.

5 Sampling and processing

Samples taken and processed according to the provisions of GB/T 450 and GB/T 10739 of.

6 Preparation, samples

6.1

Sample preparation 5 parts by corresponding national standards for measuring its performance.

6.2

Avoid bare hand and take samples, specimens should avoid glare and excessive exposure to the chemical laboratory air.