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

GB/T 24423-2009

**Information and documentation -- Paper for documents --
Requirements for permanence**

信息与文献 文献用纸 耐久性要求

(English Translation)

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Foreword

This revised standard adopts ISO 9706:1994 "Information and documentation - Paper durability requirements" (in English).

This standard and ISO 9706:1994 reg number control list and technical differences and the reasons are in Appendix D and Appendix E Listed.

The standard base retention adopted ISO 10716:1994 test method, and its Chinese translation to Appendix C of the form.

This standard made the following editorial changes.

--- Some of the statements apply to international standards to apply to our standard formulation;

--- Delete foreword international standards;

--- Delete international standards Appendix C;

--- International standards Appendix B part on the use of accreditation symbols and Acknowledgements aspects of the body to move.

Appendix A of this standard is a normative appendix, Appendix B, Appendix C, Appendix D, Appendix E is an information appendix.

This standard by the National Standardization Technical Committee for Information and Document and focal points.

Introduction

Librarians and archivists found. libraries and archives in typical storage conditions of 50 years ago has begun to paper documents Significant deterioration phenomenon. Over the past 1,500 years of history shows that high purity fibers in paper copy made with a very high durability.

The results of modern science and technology research has also demonstrated that the main reason for deterioration of paper containing fiber degradation promoting compounds in the raw materials and ingredients in papermaking Substance, such as rosin, alum and other acidic substances.

This standard aims to provide identification and validation method has high durability of the paper. The so-called high-durability paper refers In one subject Protection of the environment and long-term storage, which will affect its stability and performance indicators be little or no change in the paper.

ISO 11799 "Information and Documentation Books and literature archives storage requirements," has information and documentation technology standardization by the International Organization for Standardization Surgery Commission to develop and publish.

This standard is based on a quantitative test, for each test are given limited value. Determined by the standard for long-term preservation Documents, records and paper publications, which are listed in the test report to test the value of the performance, all the measured values \u200b\u200bare in limits within.

In order to present the paper defined standards can be mass-produced at a reasonable cost, limit through a rigorous selection, so that the printing plant, Press, office staff, etc. This paper is able to be used for various long-term storage in libraries, document archives, records and publishing Composition.

Who meet the requirements of this standard and the use of such paper sale paper document, a recognized symbol can be used to identify and Acknowledgements.

The symbols and the statements described in Appendix A.

Information and documentation - Paper Durability requirements

1 Scope

This standard specifies the requirements for the durability of paper documents.

This standard applies to need long-term preservation of documents, records and paper publications. This standard does not apply to cardboard.

Note: The term "paper" and "paperboard" GB/T 4687-2007 is defined in.

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 paper and cardboard to take samples and specimens to the vertical and horizontal, positive and negative determination (GB/T 450-2008, ISO 186:2002, MOD) GB/T 451.2 Paper and paperboard quantitative determination (GB/T 451.2-2002, eqvISO 536.1995) GB/T 455 Paper and board - Determination of tearing resistance (GB/T 455-2002, eqvISO 1974.1990) GB/T 1545 paper, paperboard and pulp water extracts Determination of acidity or alkalinity (GB/T 1545-2008, ISO 6588. 1981, MOD) GB/T 1546 Determination of Kappa Number (GB/T 1546-2004, ISO 302. 1981, MOD) GB/T 4687 paper, cardboard, pulp and related terms (GB/T 4687-2007, ISO 4046:2002, MOD) GB/T 10739 paper, paperboard and pulp sample processing and testing standard atmospheric conditions (GB/T 10739-2002, eqvISO 187.

1990)

Determination of ISO 10716 paper and paperboard base retention of

3 Terms and Definitions

The following terms and definitions apply to this standard.

Recorded information paper.

Ability to maintain long-term chemical and physical stability.

After long-term storage in libraries, archives and other preservation environments, its performance is only little or no change in the paper.

NOTE: Use of the literature include (but are not limited to) move, read, copy documents and detection carried out to spread or be a carrier of the conversion.

And used in the paper due to natural aging or acidic compounds generated air pollution (such as calcium carbonate) content.