

ICS 85.010

CCS Y 30



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

GB/Z 24987-2010

**Paper, board and pulps -- Estimation of uncertainty for test
methods**

纸、纸板和纸浆 测试方法不确定度的评定

(English Translation)

Issued on: August 9, 2010

Implemented on: December 1, 2010

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of People's Republic of China, China National Standardization
Administration**

Table of Contents

- Foreword
- Introduction
- 1 Scope
- 2 Normative references
- 3 Terms and definitions

Foreword

This technical guideline is equivalent to ISO/T R24498.2006 "Assessment of the Uncertainty of Test Methods for Paper, Paperboard and Pulp" (English version).

This guideline is technically identical to ISO/T R24498.2006 and is subject to the following editorial changes.

- Increase normative references;
- Terms and definitions are mentioned in Chapter 3;
- 2.1, 2.2, 2.3 respectively as Chapter 4, Chapter 5, Chapter 6 content;
- Keep Chapter 4, Chapter 5, Chapter 6 as a separate chapter content;
- Increase the reference.

This Guidance Document is proposed by China National Light Industry Council.

The guidance of technical documents by the National Paper Industry Standardization Technical Committee (SAC/TC141) centralized.

The guiding technical documents drafting unit. People's Republic of China Guangdong Exit Inspection and Quarantine, China Pulp and Paper Research Institute.

Introduction

One of the steps in drafting any new test method standard is to assess the uncertainty of the method. This assessment generally passed the precision test to be done. Precision tests send samples to multiple labs for testing and compare test results. This precision test pass Often referred to as "inter-laboratory comparison test." the procedures that guide the precision test are given in parts of ISO 5725, which are universal but not covered Special conditions in the testing of paper, board and pulp.

However, there are many different standards and publications that address the precision of

test methods for paper, board and pulp. These standards follow the test Different purposes, assessment of the concern is not the same.

According to the test method, there are three main purposes.

--- Study, the main study is the existence of two different samples, for example, the paper is mixed with different pulp copying;

--- Test, is to determine whether the sample meets the requirements of the indicators, this test can be carried out in the manufacturing enterprises, can also be alone Established laboratory

--- Evaluation of a new test method, the purpose is to determine whether the precision of the test method is acceptable.

Paper, cardboard and pulp Evaluation of the uncertainty of test methods

1 Scope

This guidance document sets out guidelines for selecting the best method for assessing the precision of paper, board and pulp test methods.

This guidance applies to paper, board and pulp test methods.

2 Normative references

The following documents contain provisions which, through reference in this Guidance Document, become the provisions of this Guidance Note document. All dated Reference documents, all subsequent amendments (not including errata content), or revisions do not apply to this guidance document, however, drums Recipients of the agreement based on this guidance document are encouraged to study whether the latest versions of these documents are applicable. All undated references the latest version of this document applies to this guidance document.

GB/T 6379.1 accuracy and accuracy of measurement methods (accuracy and precision) Part 1. General and definitions (GB/T 6379.1-2004, ISO 5725-1:1994, IDT) GB/T 6379.2 accuracy of measurement methods and results (accuracy and precision) Part 2. Determination of standard measurement methods repeated Sex and reproducibility of the basic method (GB/T 6379.2-2004, ISO 5725-2:1994, IDT) GB/T 6379.4 accuracy and accuracy of measurement methods (accuracy and precision) Part 4. Determination of standard measurement method is correct the basic method of degree (GB/T 6379.4-2006, ISO 5725-4:1994, IDT) GB/T 6379.5 accuracy and accuracy of measurement methods (accuracy and precision) Part 5. Determination of standard precision measurement methods Alternative method of degree (GB/T 6379.5-2006, ISO 5725-5:1998, IDT) GB/T 27025 testing and calibration laboratory capacity requirements (GB/T 27025-2008, ISO/IEC 17025:2005, IDT) ISO 3534-1 Statistics - Vocabulary and symbols - Part 1. Terms in

general statistical terms and probabilities Glossary and symbols of statistics - Part 2.
Applied Statistics ISO 5725-3 Accuracy (accuracy and precision) of measurement methods
and results - Part 3. Intermediation of test methods for precision measure ISO 5725-6
Accuracy (accuracy and precision) of measurement methods and results - Part 6 - Practical
application of accuracy values TAPPIT1200 Test method for assessing repeatability and
reproducibility of TAPPI between laboratories SCAN-G6.00 Pulp, paper and cardboard
physical test results uncertainty AS/NZS1301.460s.1998 Test Methods for Pulp and Paper
460s. Statistical Principles for Paper and Pulp Testing

3 Terms and definitions

The following terms and definitions apply to this guidance document.

Variance

Center Probability Distribution of Random Variables when r is Equal to 2.

Standard deviation Square root of variance.