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

GB/T 22906.3-2008

**Testing of cores -- Part 3: Determination of moisture content
using the oven drying method**

纸芯的测定 第3部分：水分含量的测定（烘箱干燥法）

(English Translation)

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Foreword

GB/T 22906 "paper core measurement" is divided into nine sections.

- Part 1. sample taken;
- Part 2. temperature and humidity of the treated samples;
- Part 3. Determination of moisture content (oven drying method);
- Part 4. Determination of dimensions;
- Part 5. Determination of characteristics of concentric rotation;
- Part 6. Determination of flexural strength (three-point method);
- Part 7. Determination of modulus of elasticity (three-point method);
- Part 8. Determination of natural frequency and the elastic modulus (experimental modal analysis);
- Part 9. Determination of flat crush strength.

This section GB/T Part of 322,906.

This section identical with the international standard ISO 11093-3:1994 "Paper and board Determination - Part 3. oven drying method to measure Given moisture content. " this part is proposed by the China National Light Industry Council.

This part of the National Standardization Technical Committee under the jurisdiction of the paper industry.

This section drafted by. China Pulp and Paper Research Institute, China Paper Association Professional Committee of Standardization.

1 Scope

This section GB/T 22906 specifies the determination of the sample paper core by an oven drying method moisture content.

This section applies to all kinds of water can Zhixin at a predetermined drying temperature evaporation.

2 Normative references

The following documents contain provisions which, through reference GB/T 22906 in this section constitute provisions of this section. For dated references Documents, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Research into whether the parties to the agreement to use the latest versions of these documents. For undated references, the latest version applies to this section.

22906.1 paper core measurement GB/T Part 1. Sample taken (GB/T 22906.1-2008, ISO 11093-1:1994, IDT)

3 Terms and Definitions

The following terms and definitions apply to this part of the GB/T 22906 of.

Water quality paper core contained, expressed as a percentage by mass. It is calculated by the wet weight and dry weight accounted for the difference between the wet weight percentage.

Dried to a constant weight of the sample mass.

When the difference between two successive weighing the mass does not exceed the quality of the sample that is wet weight of 0.1%, it is considered a sample constant weight is reached.

For 4mm thick cardboard, which weighed two successive time intervals should be at least 7h.

Principle 4

Sampling sample weighed, dried to constant weight of the sample was weighed again.

5.1 Balances

Accuracy of 0.05% or more of the balance.

5.2 Sample container

Transfer and weighing for the sample, should be waterproof, lightweight materials made of easily deformed.

5.3 Oven

The temperature should be maintained at $105\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$.

GB/T 22906.3-2008/ISO 11093-3:1994