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

GB/T 29286-2012

Pulps -- Determination of water retention value (WRV)

纸浆 保水值的测定

(English Translation)

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents.

This standard uses redrafted Law Amendment uses ISO 23714. "Determination of pulp water retention value (WRV)" 2007.

This standard and ISO 23714:2007 The main technical differences and their reasons are as follows.

--- On normative references, this standard has been adjusted technical differences, in order to adapt our technical conditions, the adjusted situation Focus is reflected in the status of Chapter 2, "Normative references", the specific adjustments are as follows.

- equivalents adoption of international standards GB/T 740 instead of ISO 7213;
- Modify with international standards of GB/T 22903 instead of ISO 14487;
- Modify with international standards of GB/T 24237 instead of ISO 5263-1;
- Modify with international standards of GB/T 29285 instead of ISO 5263-2, ISO 5263-3;

--- Remove the ISO 23714:2007 Chapter 11 precision, the chapter suited to China's national conditions.

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. Shandong Huatai Paper Co., Ltd., China Pulp and Paper Research Institute, the national paper quality supervision and inspection center, China Paper Association Professional Committee of Standardization.

1 Scope

This standard specifies the method for determination of water retention value of pulp.

This standard applies to all kinds of pulp.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 740 pulp samples taken (GB/T 740-2003, ISO 7213. 1981, IDT) GB/T 22903 standard physical testing pulp water (GB/T 22903-2009, ISO 14487:1997, MOD) GB/T 24327 Pulp Laboratory wet solution dissociation from chemical pulp (GB/T 24327-2009, ISO 5263-1:2004, MOD) GB/T 29285 laboratory wet pulp mechanical pulp dissociation (GB/T 29285-2012, ISO 5263-2:2004, ISO 5264-3:2004, MOD)

3 Terms and Definitions

The following terms and definitions apply to this document.

WRV waterretentionvalue Under specified conditions After centrifugation, the pulp retained its moisture after drying mass ratio of wet pulp.

Principle 4

A certain amount of the slurry with suction funnel prepared clumps. Then clumps into a centrifuge, dehydration under specified conditions, weighing, Dried and weighed again to its water retention value of pulp quality after drying centrifugal slurry before and after the block is calculated.

NOTE: For the same slurry without drying and water retention value measured after drying vary.

5 Reagents

Water standard, in line with GB/T 22903 regulations. If you use other water, it should be indicated in the report.

6.1 Laboratory centrifuges

Centrifuge with swing-end and centrifugal chamber, centrifugal interior diameter of about 45mm, volume of about 100mL, an inert material such as stainless steel or anodized aluminum. When testing centrifugal slurry block (from the basket at the bottom of a sample of about 15mm) should be able to arrive at $(3000 \pm 50) g$ (g is the gravitational plus Velocity, $9.81m/s^2$). Centrifuge should be equipped with a timing device and a braking device.