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NATIONAL STANDARD

OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 27590-2011

Paper Cup

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Foreword

This Standard is drafted according to the rules specified in GB/T 1.1-2009.

This Standard was proposed by China National Light Industry Council.

This Standard shall be under the jurisdiction of Paper Products Subcommittee of National Technical Committee (SAC/TC 397/SC 3) on Food Direct-contact Materials of Standardization Administration of China.

The responsible drafting organizations of this Standard: China Pulping and Papermaking Research Institute, Nanda Zhejiang EP Technology Group Co., Ltd., and National Paper Quality Supervision Inspection Center.

The chief drafting staffs of this Standard: Gao Fengjuan, Gao Jun, and Qiu Wenlun.

Paper cup

1 Scope

This standard specifies paper cup's classification, requirements, test method, inspection rules, marking, packaging, transportation and storage.

This standard applies to various paper cups covered with paraffin wax, polyethylene film, etc. that are used to contain various cold and hot drinks and ice cream.

2 Normative references

The articles contained in the following documents have become part of this document when they are quoted herein. For the dated documents so quoted, all the modifications (Including all corrections) or revisions made thereafter shall be applicable to this document.

GB/T 2828.1 Sampling procedures for inspection by attributes - Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

GB/T 5009.60 Method for analysis of hygienic standard of products of polyethylene, polystyrene and polypropylene

GB/T 5009.78 Method for analysis of hygienic standard of papers for food packaging

GB 7189 Food grade paraffin wax

GB 9685 Hygienic standards for uses of additives in food containers and packaging materials

GB 9687 Hygienic standards for polyethylene products used as food containers and table wares

GB/T 10342 Paper - Package and mark

GB/T 10739 Paper, board and pulps - Standards atmosphere for conditioning and testing

GB 11680 Hygienic standard of paper used for food packaging

standard. In the event of raising an objection against quality of products of the lot, the demander shall notify the supplier for joint sampling to re-inspect within 3 months after arrival of goods. If it meets the standard or contract requirements, then this lot is deemed to be acceptable and it shall be handled by the demander. If it does not meet the requirements of this standard or contract requirements, then this lot is deemed to be unacceptable and it shall be handled by the supplier.

6.6 Type inspection items refer to all inspection items in this standard. Type inspection shall be carried out for one of the following circumstances:

- a) Trial identification of transfer production of new product or old product;
- b) After formal production, when there is change in production process or the use of new raw material which may affect product performance;
- c) During normal production, type inspection shall be carried out at least once per quarter.
- d) When production is resumed after production is shutdown for more than 3 months;
- e) When ex-factory inspection results are significantly different from the last type inspection.

7 Marking, packaging, transportation and storage

7.1 Paper cup marking and packaging shall be according to GB/T 10342 or the contract's provisions.

7.2 All packaging materials of paper cup shall have sufficient tightness and firmness to ensure that water cups are not contaminated under normal conditions of transport and storage. Paper cup shall be dust-proof, damp-proof or mildew-proof. Packaging material that directly contacts with product shall be non-toxic, harmless and clean.

7.3 Avoid heavy-pressure and falling during the transport process; avoid transport at high temperature as much as possible.

7.4 Store in warehouse that is ventilated, dry, free of chemicals and toxic or harmless items.

GB/T 27590-2011 “Paper Cup”

National Standard No.1 Modification Sheet (Corrigendum)

This modified sheet was approved by the National Standardization Management Committee on March 26, 2014. It shall be implemented from March 31, 2014.

1. In clause 4.1, add “Note 1: For ice cream cup, it may not need to implement the provisions – ‘there shall be no printing within 15mm from cup rim to cup body; and within 10mm from cup bottom to cup body’. Note 2: Volume marked line of which the total length does not exceed 10mm may be printed within 15mm from cup rim to cup body”.

2. Revise the clause 7.1 to be “sales packaging marks and transport packaging marks of paper cup shall include the following contents or follow the contract’s provisions:

- Basic content of product sales packaging marks includes: Product name, trademark, executive standard number, production date and shelf life or batch number and expiration date, product type, specifications, quality grade, product quantity, product conformity mark, name and address of manufacturing enterprise (or agents), and other items that are required to label;
- Basic content of product transport packaging marks include: Product name, trademark, product specifications, logos of packaging, storage and transport, and other marks”.

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