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

**GB/T 18011-2008**

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**Natural rubber latex concentrate -- Preparation of dry films  
(English Translation)**

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### Foreword

This standard is identically translated from ISO 498:1992 "Natural rubber latex concentrate - Preparation of dry films" (English version).

For ease of use, this standard has made the following editorial changes:

- CHANGE the words "this International Standard" into "this Standard";
- DELETE the foreword of the International Standard.
- MAKE references to GB/T 8290 and GB/T 8298 in the normative references in Chapter 2. There is no technical difference between these two standards and the corresponding parts of ISO 498:1992.

This standard replaces GB/T 18011-1999 "Natural rubber latex concentrate - Preparation of dry films".

The main differences between this standard and GB/T 18011-1999 are as follows:

- DELETE the ISO foreword;
- MAKE editorial revisions, in accordance with the provisions of GB/T 1.1-2000 and GB/T 20001.4-2001.

This standard was proposed by China Petroleum and Chemical Industry Association.

This standard shall be under the jurisdiction of the Natural Rubber Subcommittee of the National Rubber and Rubber Standardization Technical Committee.

Drafting organizations of this standard: Institute of Agricultural Products Processing of Chinese Academy of Tropical Agricultural Sciences, Food Quality Supervision,

Inspection and Testing Center (Zhanjiang) of Ministry of Agriculture.

## 1 Scope

This standard specifies the method for preparing a homogeneous dry rubber film without air bubbles, from natural rubber latex concentrate.

This standard applies to *Hevea brasiliensis* latex. It is not necessarily suitable for other natural latex, compound latex, vulcanized latex, water cement, synthetic latex.

## 2 Normative references

The provisions in following documents become the provisions of this Standard through reference in this Standard. For the dated references, the subsequent amendments (excluding corrections) or revisions do not apply to this Standard; however, parties who reach an agreement based on this Standard are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies.

GB/T 8290 Natural rubber latex concentrate - Sampling (GB/T 8290-1987, eqv ISO 123:1985)

GB/T 8298 Natural rubber latex concentrate - Determination of total solids content (GB/T 8298-2008, ISO 124:1997, MOD)

### 3.1 Mold: It can be made by bonding glass or hard plastic sheets, which have a width

of 6 mm and a thickness of 1.5 mm, to a glass plate. The adhesive is epoxy resin or polyvinyl acetate solution in methyl ethyl ketone. The size of the mold cavity depends on the requirements of the test sample, for example, the length is 150 mm ~ 200 mm, the width is 110 mm ~ 120 mm. When the mold is filled with latex, which has a total solid content of 62% (mass fraction), the thickness of the prepared dry film is about 1 mm.

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