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

GB/T 8301-2008

Replacing GB/T 8301-2001

**Natural rubber latex concentrate -- Determination of mechanical
stability**

浓缩天然胶乳 机械稳定度的测定

(English Translation)

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Foreword

This standard is equivalent translation ISO 35:2004 "Natural rubber latex concentrate Determination of mechanical stability" (in English) and its amendments ISO 35.

2004/Amd. 1:2006 (in English).

For ease of use, the editorial changes made the following standard.

- "This International Standard" be replaced by "this standard";
- Delete foreword international standards;
- References GB/T 6003.1, GB/T 8290, GB/T 8298 in Chapter 2, normative references, these standards and There is no technical difference in the corresponding part of 2004. ISO 35.

This standard replaces GB/T 8301-2001 "Natural rubber latex concentrate - Determination of mechanical stability." the main difference compared with the standard GB/T 8301-2001 as follows.

- Deleted the ISO foreword;
- In Chapter 2 normative references added GB/T 14838 "Rubber and rubber products precision test method standards determine";
- In Chapter 3, the terms and definitions in increased mechanical stability of the contents;
- In Chapter 6, the instrument adds transparent flat-bottomed pan and pointed stick, and the original 6.2 to heating method heating apparatus;
- In Chapter 8, the procedure adds two methods to determine the end point of the (palm method and water dispersion method) details, and section 11 Chapter test report has been modified in the content;
- Added "precision instructions" chapter.

The standard proposed by China Petroleum and Chemical Industry Association.

This standard by the National Standardization Technical Committee rubber products natural rubber and rubber Technical Committee.

This standard was drafted. Chinese Academy of Tropical Agriculture of the processing of agricultural products, the Ministry of Agriculture Food Quality Supervision and Testing Center (Zhanjiang).

1 Scope

This standard specifies the method for the determination of the concentrated natural rubber latex mechanically stable, this standard also applies to pre-vulcanized natural rubber latex concentrate.

This method may not apply to potassium hydroxide stored latex and natural rubber latex of *Hevea brasiliensis* latex other than this Act does not apply to Synthetic latex.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 6003.1 woven wire mesh test sieve (GB/T 6003.1-1997, eqv ISO 3310-1:1990) 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) GB/T 8300 Natural rubber latex concentrate - Determination of alkalinity (GB/T 8300-2008, ISO 125:2003, IDT) ISO/T R9272 Rubber and rubber products - Determination of precision for test method standards (ISO/T R9272.2004, Rubberand rubberproducts-Determinationofprecisionfortestmethodstandards)

3 Terms and Definitions

The following terms and definitions apply to this standard.

Ammonia and/or other preservatives, and processed through some kind of concentrated natural rubber latex.

Latex under specified conditions, starting to see the time required for flocculation tablets, expressed in seconds.

Principle 4

The total solid content of natural rubber latex concentrate sample diluted to a mass fraction

of 55%, then stirred at high speed. Record when initially visible flocculation the time required, as a measure of the degree of mechanical stability.

5 Reagents

Ammonia solution (5.1 and 5.2) should be used to confirm the preparation of analytical grade ammonia, and should be stored in airtight containers.

In the local regulations of water, use distilled water or without carbon dioxide equivalent purity water.

5.1

ammonia solution containing 1.6% (mass fraction) of ammonia (NH_3), alkalinity for at least 0.30% (relative to the concentrated latex) of latex concentrate.

5.2

ammonia solution containing 0.6% (mass fraction) of ammonia (NH_3), for alkalinity 0.30% or less (with respect to the concentrated latex) liquid latex shrink.

6 Instruments

6.1

degree of mechanical stability tester include. 6.1.1 to 6.1.3 components.

GB/T 8301-2008/ISO 35:2004