

ICS 83.040.10

CCS B 72



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

GB/T 8298-2017

Replacing GB/T 8298-2008

Latex, rubber -- Determination of total solids content

Issued on: December 29, 2017

Implemented on: July 1, 2018

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China, Standardization
Administration of the People's Republic of China**

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Foreword

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

This standard replaces GB/T 8298-2008 "Determination of the total solid content of natural latex." This standard and GB/T 8298-

2008 compared to the main technical changes are as follows.

- Modify the standard name for the "determination of total latex solids content";
- Modify the scope, increased for fresh natural latex and synthetic latex (see Chapter 1, 2008 edition Chapter 1);
- Modify the normative references, the ISO / T R9272 moved to the reference (see Chapter 2, references, 2008 edition chapter 2);
- Increase the oven can choose between 100 degrees C ~ 160 degrees C temperature and accuracy (see 4.2);
- Added "vacuum drying box" provisions (see 4.3);
- Increasing the determination of the total content of synthetic latex content (see Chapter 6);
- Added "controversial, the preferred method of heating at 70 degrees C" (see 6.1);

--- Modify the precision of the article as "see Appendix B", and with.2004,.2010 and.2012 to carry out the precision instead

Precision carried out in.2001 (see Chapter 8, Appendix B, Chapter 8 of the.2008 edition).

This standard uses redrafted Law Amendment uses ISO 124.2014 "Determination of total latex solids content (in English)." This standard and

The technical differences of ISO 124.2014 and their reasons are as follows.

--- On normative references, this standard made a technical difference with the adjustment to adapt to China's technical conditions. Adjust the situation

Concentrated in Chapter 2 "Normative references", the specific adjustments are as follows.

* Replaced ISO 123 with GB/T 8290 modified to adopt international standards;

--- Increased "test results in duplicate double parallel determination of results expressed" (see Chapter 7), is conducive to the use of this standard.

This standard also made the following editorial changes.

--- Added the English name of synthetic rubber acronyms (see note A.1).

This standard proposed by the China Petroleum and Chemical Industry Federation.

This standard by the National Standardization Technical Committee of rubber and rubber products of natural rubber sub-Technical Committee (SAC/TC35/SC8)

Focused.

This standard drafting unit. Chinese Academy of Tropical Agricultural Sciences Institute of Agricultural Products Processing, China National Petroleum Corporation Petrochemical Institute, Guangdong Province, Canton Rubber Group Co., Ltd. Maoming Branch.

1 Scope

This standard specifies the method of determination of the total solids content of fresh natural latex, concentrated natural latex and synthetic latex.

This standard applies to the source of natural rubber clover tree in Brazil and synthetic latex.

This standard does not necessarily apply to natural latex and vulcanized latex from sources other than the Trifolvus, with latex or rubber water dispersions.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 8290 concentrated natural latex sampling (GB/T 8290-2008, ISO 123.2001, MOD)

3 principle

The sample is heated under normal pressure or vacuum conditions to a constant mass under certain conditions, the quality of the sample before and after heating changes to determine the total solids

content.

NOTE The determination of residues after drying for a period of time can be found in ISO 3251 [1].

4 equipment

Laboratory conventional equipment, as well as the following equipment.

4.1 flat dish, diameter of about 60mm.

4.2 oven, the temperature can be controlled at 70 degrees C +/- 5 degrees C or 105 degrees C +/- 5 degrees C, or can choose between 100 degrees C ~ 160 degrees C temperature, accurate

To +/- 5 ° C.

4.3 vacuum drying oven, the temperature can be controlled 125 degrees C +/- 5 degrees C and the pressure control in 20kPa1) below.

1) 1 kPa = 1 kN/m².

5 sample

According to GB/T 8290 provisions of the method of sampling.

6.1 General

6.2 for natural latexes or 6.2, 6.3 or 6.4 for synthetic latexes. Double parallel determination.