

ICS 83.040.10

CCS G 40



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

GB/T 24130-2009

Rubber latex in flexible packing - Sampling

柔性包装胶乳 取样

Issued on: June 15, 2009

Implemented on: February 1, 2010

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine;
Standardization Administration of the PRC**

Table of Contents

- 1 Scope
- 2 Terms and definitions
- 4 Equipment

Foreword

Appendix A of this standard is an informative annex. The standard proposed by China Petroleum and Chemical Industry Association. This standard by the National Rubber and rubber products Standardization Technical Committee (SAC/TC35) centralized. This standard was drafted. Liaoning CIQ. The main drafters of this standard. Pan Yandi, Liu Weidong, Guo Li, Zhang Yong, Li Xuefeng, LIU Wen-qing.

With the continuous advancement and development of technology, the latex from the traditional transport packaging bottled, canned, developed a form of flexible packaging to Adaptation of container transportation. The package is called Flexitank. This standard describes the use of shunt sampler be flexible package latex sampling method. Flexible Packaging latex samples Warning. Use of this standard shall have a person experiences regular lab work. This standard does not point out all possible security issues. Users have the responsibility to take appropriate safety and health practices and to ensure compliance with the conditions relevant national regulations.

1 Scope

China's national method for sampling rubber latex supplied in flexible packing. It specifies the sampling of natural and synthetic rubber latex delivered in flexible containers, covering the equipment, the procedure, the sample size and the handling and storage of the samples. Latex is not a liquid in the ordinary sense and that is the whole difficulty of sampling it. It is a colloidal dispersion of rubber particles in water, stabilised by surfactant, and it is unstable by design: the particles are denser than the serum and cream toward the top over time, the material skins where it meets air, it coagulates irreversibly under shear, at low temperature, on contact with certain metals or with a change in pH, and once coagulated nothing returns it. A sample that is not representative is therefore the normal outcome unless the sampling is done properly, and a sample that was representative when drawn can cease to be so on the way to the laboratory. Flexible packing adds its own problem: unlike a tank with a manway, a flexible container cannot be opened, stirred and sampled at several depths, and puncturing it to sample compromises the package. So the standard sets out how it is actually done - the homogenisation of the contents before

sampling and how it is verified, the sampling device and its material, since contact with the wrong metal coagulates latex on the spot, the sampling point and the number of increments, the size of the sample, and the immediate transfer to a clean and appropriate container. And it specifies the preservation and storage of the sample, because a latex sample continues to change: it must be kept from freezing, from heat, from air and from shear, and tested within a stated period. Issued on 15 June 2009 and in force since 1 February 2010.

This standard specifies the method of sampling the latex flexible packaging. This standard applies to containers of bags (see Appendix A) and other flexible packaging (hereinafter referred to as fluid bags) packaging natural latex, synthetic latex sampling. NOTE. Bottled latex, latex tanker shipping latex and plastic storage tank (pool) in latex samples see GB/T 8290-2008 and SH/T 1149-2006.

2 Terms and definitions

The following terms and definitions apply to this standard.

2.1 Prepackaged liquid bag.

2.2 Extracted from a certain number of units in the latex represents a unit.

2.3 A collection of one or more units for inspection and demarcated.

2.4 From each batch of a certain number of cell extract latex mixture.

2.5 For laboratory inspection and testing, and can represent a group of a certain amount of quality latex.

2.6 The laboratory sample obtained by filtering the amount of latex used for testing.

Principle 3 A specially designed shunt sampler package is installed between the flexible outlet hose and discharge hose for the entire sample collection. Minute Flow sampler by a ball valve, bell collect and filter baffle composition.

4 Equipment

4.1 shunt sampler You can turn off, adjust the flow shown in Figure 1.