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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3375-2012

Determination of the talc powder in condom

安全套中滑石粉的测定

(English Translation)

Issued on: December 12, 2012 **Implemented on: July 1, 2013**

Issued by: General Administration of Customs

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Foreword

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

Please note that some of the content of this document may involve patents. Distribution of this document Institutions do not assume the responsibility to identify these patents.

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard was drafted. People's Republic of China Guangdong Entry-Exit Inspection and Quarantine Bureau Technology Center.

1 Scope

This standard specifies the qualitative screening were used infrared spectroscopy and inductively coupled plasma atomic emission spectrometry condoms talc Powder qualitative and quantitative determination method.

This standard applies to the qualitative and quantitative determination of condoms talc.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

Laboratory use specifications and test methods GB/T 6682 Analysis

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3.1 Principle

Collecting IR condom sample surface, compared with the standard spectrum of the talc sample spectra to distinguish whether special talc Intrinsic absorption wavelength, in order to determine whether a sample contains talc banned substances.

3.2 Reagents

3.2.1
Potassium bromide (KBr), pure spectrum.

3.2.2
talcum powder, medicine and food-grade, 2000 mesh.

3.3 Equipment and Materials

3.3.1
Fourier transform infrared spectrometer, wavenumbers 4000cm-1 ~ 400cm-1, the minimum resolution 0.3cm-1, with attenuated total Reflection (ATR) measurement apparatus.

3.3.2
Analytical Balance. a sense of the amount of 0.1mg.

3.3.3
agate mortar.

3.3.4
IR tablet press.

3.3.5
blast oven, the temperature of 120 °C controllable.

3.3.6
Fast infrared oven.

3.3.7
Glass dryer.

3.3.8
Stainless steel mesh, 200 mesh.

3.3.9
scissors.

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3.4.1 Pretreatment of potassium bromide

The spectrum of pure grade potassium bromide (3.2.1) with an agate mortar (3.3.3) are fully ground, over a stainless steel sieve (3.3.8), collect undersize particles set

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