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

GB/T 2910.18-2009

**Textiles -- Quantitative chemical analysis -- Part 18: Mixtures of
silk and wool or hair (method using sulfuric acid)**

纺织品 定量化学分析

(English Translation)

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1 Scope

This Part of GB/T 2910 specifies a method, using sulfuric acid, to determine the percentage of silk, after removal of non-fibrous matter, in textiles made of binary mixtures of silk and wool or animal hair.

2 Normative references

The following standards contain the provisions which, through reference in this part of GB/T 2910, constitute the provisions of this Part. For dated references, subsequent amendments (excluding corrections) or revisions do not apply to this Part. However, the parties who enter into agreement based on this Part are encouraged to investigate whether the latest versions of these documents are applicable. For undated reference documents, the latest versions apply to this

Part.

GB/T 2910.1, Textiles - Quantitative chemical analysis - Part 1: General principles of testing (ISO 1833-1:2006, IDT)

3 Principle

The silk fibre is dissolved from a known dry mass of the mixture with 75 % (mass fraction) sulfuric acid. The residue is collected, washed, dried and weighed; its mass, corrected if necessary, is expressed as a percentage of the dry mass of the mixture. The percentage of silk is found by the difference.

NOTE: Wild silk, such as tussah silk, are not completely soluble in 75 % (mass fraction) sulfuric

acid.

4 Reagents

Use the reagents described in GB/T 2910.1 together with those given in 4.1,

4.2

and 4.3 of this Part.

4.1 75% (mass fraction) sulfuric acid

Chinese Standards

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Linkin: <https://www.linkedin.com/in/waynezhengwenrui/>

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