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

GB/T 2910.2-2009

**Textiles -- Quantitative chemical analysis -- Part 2: Ternary fibre
mixture**

(English Translation)

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Foreword

GB/T 2910 Textiles - Quantitative chemical analysis consists of the following parts:

- Part 1: General principles of testing;
- Part 2: Ternary fibre mixture;
- Part 3: Mixtures of acetate and certain other fibres (method using acetone);
- Part 4: Mixtures of certain protein and certain other fibers (method using hypochlorite);
- Part 5: Mixtures of viscose, cupro or modal and cotton fibres (method using sodium zincate);
- Part 6: Mixtures of viscose or certain types of cupro or modal or lyocell and cotton fibres (method using formic acid and zinc chloride);
- Part 7: Mixtures of polyamide and certain other fibres (method using formic acid);
- Part 8: Mixtures of acetate and triacetate fibres (method using acetone);
- Part 9: Mixtures of acetate and triacetate fibres (method using benzyl

alcohol);

- Part 10: Mixtures of triacetate or polylactide and certain other fibres (method using dichloromethane);
- Part 11: Mixtures of cellulose and polyester fibres (method using sulfuric acid);
- Part 12: Mixtures of acrylic, certain modacrylic, certain chlorofibres, certain elastanes and certain other fibres (method using dimethylformamide);
- Part 13: Mixtures of certain chlorofibers and certain other fibers (method using carbon disulfide/acetone);
- Part 14: Mixtures of acetate and certain chlorofibres (method using acetic acid);
- Part 15: Mixtures of jute and certain animal fibres (method by determining nitrogen content);
- Part 16: Mixtures of polypropylene and certain other fibres (method using xylene);
- Part 17: Mixtures of chlorofibers (homopolymers of vinyl chloride) and certain other fibers (method using sulfuric acid);
- Part 18: Mixtures of silk and wool or hair (method using sulfuric acid);
- Part 19: Mixtures of cellulose fibres and asbestos (method by heating);
- Part 20: Mixtures of elastane and some other fibers (method of using dimethylacetamide);
- Part 21: Mixtures of chlorofibers, certain modacrylics, certain elastanes, acetates, triacetates and certain other fibers (method using cyclohexanone);
- Part 22: Mixtures of viscose or certain types of cupro or modal or lyocell and flax of ramie fibres (method using formic acid and zinc chloride);
- Part 23: Mixtures of polyethylene and polypropylene (method using

cyclohexanone);

- Part 24: Mixtures of polyester and some other fibers (method using phenol and tetrachloroethane);
- Part 101: Mixtures of soybean protein composite fibre and certain other fibers.

This Part is the 2nd part of GB/T 2910.

GB/T 2910-1997 is replaced by the following standards: GB/T 2910.1, GB/T 2910.3, GB/T 2910.4, GB/T 2910.6, GB/T 2910.7, GB/T 2910.8, GB/T 2910.9, GB/T 2910.10, GB/T 2910.11, GB/T 2910.12, GB/T 2910.13, GB/T 2910.14, GB/T 2910.15, GB/T 2910.16, GB/T 2910.17, GB/T 2910.18, GB/T 2910.19 and GB/T 2910.22.

This Part identically uses ISO 1833-2:2007 Textiles - Quantitative chemical analysis - Part 2: Ternary fibre mixtures. Compared with ISO 1833-2:2006, this Part made the following editorial modifications:

- used Chinese standards to replace the International standards in normative references;
- deleted the foreword of ISO 1833-2:2007.

This Part replaces GB/T 2911-1997 Textiles--Ternary fibre mixtures--Quantitative analysis. Compared with Clause 7 of GB/T 2911-1997, the differences in this Part are as follows:

- added the Introduction;
- deleted Clauses 4, 5, 6 of GB/T 2911-1997;
- added "Calculation of the analysis by manual separation" (8.4);
- added "Method of analysis by a combination of manual separation and chemical means" (Clause 9);
- modified the annex of GB/T 2911-1997 to Annex A and Annex B of this Standard.

Annex A and Annex B of this Part are informative.

This Part was proposed by China Textile Industry Association.

This Part shall be under the jurisdiction of Sub-committee on Basic Standards of National Technical Committee on Textile of Standardization Administration of China (SAC/TC 209/SC 1).

Main drafting organizations of this Part: Shanghai Wool Textile Science and Technology Research Institute, Textile Industry Standardization Institute.

Main drafters of this Part: Zhu Jie, Shen Meihua, Yan Yanping, Zhu Qingfang, Zhou Xiaodong.

Versions of standard substituted by GB/T 2911 are:

- GB/T 2910-1982;
- GB/T 2910-1997.

Textiles - Quantitative chemical analysis -

Part 2: Ternary fibre mixture

1 Scope

This Part of GB/T 2910 specifies methods of quantitative chemical analysis of various ternary mixtures of fibres.

The field of application of each method for analysing binary mixtures, specified in the parts of GB/T 2910, indicates the fibres to which the method is applicable.

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