

Translated English of Chinese Standard: FZ/T20018-2010

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TEXTILE INDUSTRY STANDARD

OF THE PEOPLE'S REPUBLIC OF CHINA

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FZ/T 20018-2010

Replacing FZ/T 20018-2000

Determination of dichloromethane-soluble matter in wool textiles

毛纺织品中二氯甲烷可溶性物质的测定

(ISO 3074:1975, Wool-Determination of dichloromethane-soluble
matter in combed silver, MOD)

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Foreword

This Standard is drafted according to the rules provided in GB/T 1.1-2009.

This Standard replaces FZ/T 20018-2000 *Determination of dichloromethane-soluble matter in wool textiles*. Than main differences from FZ/T 20018-2000 are as follows:

- Modified the English name of the standard;
- Wool and brocade blending product is added in the scope of Chapter 1;
- Illustration of reagent is added in Chapter 4 Reagent;
- Chapter 7 is modified; the experimental procedures are described by steps;
- 7.6 is modified; weighing balance weight is deleted;
- Chapter 8 is modified; processing of experimental results is difference;
- Chapter 9 is modified; *name and specification of samples* and *Date of experiment* are added.

This Standard is modified by adopting ISO 3074:1975 *Determination of dichloromethane-soluble matter in combing wool silver*. The main differences from ISO 3074:1975 are as follows:

- ISO foreword is deleted;
- Introduction of ISO is deleted, and it is revised into the scope of standard;
- Normative reference document is added;
- Sample mass is modified (see in 6.2);
- 10.1 extraction formula containing water in ISO is deleted;
- *Name and specification of samples* and *Date of experiment* are added in experimental report.

This Standard was proposed by China National Textile And Apparel Council.

This Standard shall be under the jurisdiction of Wool-Textile Subcommittee of National Textile Technical Committee of Standardization Administration of China (SAC/TC 209/SC 3).

Drafting organization of this Standard: Shanghai Wool-Linen Textile Institute of Science and Technology.

Determination of dichloromethane-soluble matter in wool textiles

1. Scope

This Standard specifies the method to determine the dichloromethane-soluble matter content in wool textiles by adopting dichloromethane as extraction reagent.

This Standard applies to the determination of the dichloromethane-soluble matter contents in pure wools, wool/acrylic or wool/brocade blended combing silver, semi-finished products, and finished products. For other plush products, it shall also implement this Standard.

2. Normative references

The following document is indispensable for application of this document. For the dated documents so quoted, only the dated versions apply to this document. For the undated documents so quoted, the latest versions (including all modification sheets) apply to this document.

GB/T 8170 Rules of rounding off for numerical values & expression and judgement of limiting values

3. Theory

Extract the samples in a soxhlet extractor with dichloromethane; evaporate the reagent; weigh the mass of the remaining matter to calculate the content of dichloromethane soluble matter, which is the percent of the remaining matter mass in the extracted samples' drying mass.

4. Reagent

4.1 Dichloromethane: boiling point is between 39°C ~ 41°C, analytically pure or chemically pure.

The matter remained after evaporating 100mL of this reagent does not exceed 1mg.

Note: This reagent is toxic and irritates eyes, please take complete protection measure whining using it. And the operation shall be implemented in fuming cupboard.

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