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FZ

**TEXTILE INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

FZ/T 01078-2018

Replacing FZ/T 01078-2009

**Testing method for yellowing due to chlorine for garment
interlinings
(English Translation)**

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People's Republic of China**

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Foreword

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

This standard replaces FZ/T 01078-2009 "Test method for chlorine absorption and yellowing of fabrics", compared with FZ/T 01078-2009, the main technology the content changes as follows.

--- The standard name was adjusted to "Test Method for Chlorine and Yellowing of Garment Interlining";

---Specified reagent requirements;

--- Increase the balance of humidity control requirements, further clarify the sampling location and quantity, and specify the drying method.

This standard was proposed by the China National Textile and Apparel Council.

This standard is under the jurisdiction of the National Textile Standardization Technical Committee Cotton Textile Subcommittee (SAC/TC209/SC10).

This standard is mainly drafted by. Zhejiang Jinsanfa Adhesive Lining Co., Ltd., Rugao Wushan Bleaching and Dyeing Co., Ltd., Shanghai Tianqiang Textile Co., Ltd., Shanghai Textile Group Testing Standard Nantong Co., Ltd., Shanghai Textile Industry Technology Supervision Institute, China Industrial Textile Industry association.

1 Scope

This standard stipulates the test method for chlorine absorption and yellowing caused by the residual chlorine of the fabric lining for clothing.

This standard applies to the base fabric of cotton-containing woven lining after chlorine bleaching.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 250 Textile color fastness test for gray color card for color change GB/T 6529
Standard atmosphere for textile conditioning and testing GB/T 8170 Numerical Rounding
Rules and Representation and Determination of Limit Values GB/T 8424.2 Textile color
fastness test relative whiteness instrument evaluation method GB/T 8629 Home washing
and drying procedures for textile testing GB/T.19923-2005 Urban sewage recycling
industrial water quality FZ/T 01047 Visual assessment of textile color fastness using
standard light source conditions

3 Principle

After the sample is bleached, washed and dried by the specified concentration of sodium hypochlorite solution, the degree of yellowing difference of the sample before and after the treatment is compared and visually evaluated.

The sample is graded for chlorine and yellowing.

4 Equipment and appliances

4.1

Washing machine. meet the test requirements.

4.2

Suitable titration devices and glassware.

4.3

Acidity meter. Accuracy ± 0.01 .

4.4

GB/T 250 gray color card for color change.

5 Reagent preparation

5.1

Sodium hypochlorite reserve. The determination of available chlorine concentration is in accordance with Appendix A.

5.2

Sodium bicarbonate and sodium carbonate solution. analytically pure.

5.3

Washing water. The technical parameters meet the requirements of water and water for process and product in GB/T.19923-2005.

5.4 10% potassium iodide solution, 10% sulfuric acid solution, starch indicator, 0.1 mol/L sodium thiosulfate solution.

5.5 45L sodium hypochlorite working solution containing 1g/L of effective chlorine concentration requires the volume of sodium hypochlorite reserve. according to the method specified in Appendix A Determine the effective chlorine concentration of sodium hypochlorite reserve solution, prepare 45L sodium hypochlorite working solution with effective chlorine concentration of 1g/L, and add hypochlorite the volume of the sodium stock solution is calculated according to formula (1), and the calculation result is rounded up to an integer according to GB/T 8170.