

ICS 59.080.01

CCS W 04



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

GB/T 31898-2015

**Textiles -- Tests for colour fastness -- Colour fastness to water
spotting on upholstery fabrics**

纺织品 色牢度试验 装饰织物耐水斑色牢度

(English Translation)

Issued on: September 11, 2015

Implemented on: April 1, 2016

Issued by: Standardization Administration of China

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Foreword

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

This standard uses the redrafted law revision using ISO 105-E16.2006 "Textiles - Tests for color fastness - Part E16. Decorative woven it was water spot color fastness "(in English). And ISO 105-E16. Compared to 2006, the main differences are as follows.

--- Remove the International Standard preface and introduction, the introduction of the content is adjusted to Chapter 1 of the "Notes";

--- Normative references in international standards replace the corresponding national standards and industry standards;

--- Chapters 6 and 7 in the standard atmosphere increases, namely temperature (20 ± 2) °C and relative humidity (65 ± 4)%.

The standard proposed by China Textile Industry Association.

The standard basis by the National Textile Standards Technical Committee of Standardization Technical Committee (SAC/TC209/SC1) centralized.

This standard was drafted. Hangzhou Quality and Technical Supervision and Inspection Institute, Textile Standard (Beijing) Co., Inspection and Certification Center.

1 Scope

This standard specifies a test upholstery fabric (including color, bleached, dyed and printed fabrics) water spots effectiveness.

This standard applies to the assessment of upholstery fabric water spot color fastness properties.

Note: This method differs from the standard GB/T 5717 (ISO 105-E07, MOD), using a large amount of water and pressure longer.

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.

GB/T 250 textile color fastness test assessing change in color like the gray card (GB/T 250-2008, ISO 105-A02.1993, IDT) GB/T 251 Textiles Tests for color fastness Grey scale for assessing staining card (GB/T 251-2008, ISO 105-A03.1993, IDT) GB/T 6529 Textiles conditioning and testing using standard atmosphere (GB/T 6529-2008, ISO 139:2005, MOD) GB/T 6682 analytical laboratory use specifications and test methods (GB/T 6682-2008, ISO 3696. 1987, MOD) FZ/T 01023 degree of staining of adjacent fabrics instrument rating method (FZ/T 01023-1993, neqISO 105-A04. 1989) FZ/T 01024 discoloration degree of sample instrument rating method (FZ/T 01024-1993, neqISO 105-A05.1992) Principle 3 Under specified conditions, the surface portion of the sample in contact with water. After drying the sample, cards with gray and white color evaluation sample or staining series light zone.

4 Reagents

In line with GB/T 6682 tertiary water temperature $(50 \pm 2) ^\circ\text{C}$.

5.1 Cylindrical tube

Made of glass or transparent plastic, smooth substrates. An inner diameter (94 ± 2) mm, a wall thickness (3 ± 0.5) mm, a height of about 50mm (see Fig. 1).

5.2 Load ring

Can be placed on top of a cylindrical tube, the cylindrical tube loading rings and the total mass (1.9 ± 0.1) kg (see Figure 1).

5.3 Polyurethane pad

Undyed, with stomata (available water). A density of approximately 30kg/m³, a thickness of about 30mm, size not less than 500mm x 500mm.

5.4 Polyethylene plastic film

Undyed, size not less than 500mm x 500mm.