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

GB/T 23343-2009

**Textiles -- Tests for colour fastness -- Colour fastness to domestic and
commercial laundering -- Oxidative bleach response using a non-phosphate
reference detergent incorporating a low temperature bleach activator**

纺织品 色牢度试验 耐家庭和商业洗涤色牢度 使用含有低温漂白活性剂的无磷标
准洗涤剂的氧化漂白反应

(English Translation)

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Foreword

This revised standard adopts ISO 105-C09.2001 "Textiles Tests for color fastness Part C09. resistance to domestic and commercial laundering color fastness Oxidative bleaching reaction of low temperature bleach activator containing phosphate-free detergent standard "and its amendments ISO 105-C09.2001 /Amd. 1.2003.

This standard is based on ISO 105-C09.2001 redrafted with ISO 105-C09.2001 main differences are as follows.

- Remove the International Standard foreword, introduction, and references;
- Normative references in international standards replace the corresponding national standards;
- Deleted paragraph A. 1 Chapter B. Chapter 1 offers a standard detergent sources;
- Section A. 3 and Chapter B. Chapter 3 increase the use of other means of stirring the contents, delete the mixing time;
- Modifying paragraphs A. After washing 6 cleaning method of composition of the sample;
- Increased first A. Chapter 9, "before the assessment, consider the sample on the standard atmospheric conditions cut wet 1h." In the first B. Chapter 10 a Cause, followed sequentially numbered postponed.

The Standard Annexes A and B are normative appendix.

The standard proposed by China Textile Industry Association.

This standard by the National Standardization Technical Committee on Basic Standards Subcommittee Textiles (SAC/TC209/SC1) centralized.

This standard is mainly drafted by. Textile Standard (Beijing) Co., Inspection and Certification Center.

1 Scope

This standard specifies all types of textiles (except wool and silk) through the use of bleaching agents (peroxide bleaching system) family and business After the washing process industry, its color determined by the method.

Textiles after several domestic and commercial laundering procedures, due to the oxidation bleaching action will make it outstanding variation phenomenon.

This standard does not apply to the adjacent fabric staining evaluation.

This standard specifies the use of the standard detergent ECE phosphate-free, sodium perborate tetrahydrate and the bleach activator tetraacetylenediamine (TAED) wash Fandi program (see Appendix A), and the use of standard AATCC1993 phosphorus detergent (excluding fluorescent whitening agent), sodium perborate monohydrate and bleaching Active agents nonanoyl benzene sulfonate (SNOBS) washing procedures (see Appendix B).

This method is only for this standard detergent and bleach system. Other detergents and bleach systems may use different test conditions and ingredients.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

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 6151 Textiles Tests for color fastness test General (GB/T 6151-1997, eqvISO 105-A01.1994) GB/T 6682 analytical laboratory use specifications and test methods (GB/T 6682-2008, ISO 3696. 1987, MOD) GB/T 8424.1 Textiles tests for color fastness General principles for measurement of surface color (GB/T 8424.1-2001, eqvISO 105-J01.1997) GB/T 8424.3 Textiles Tests for color fastness color difference calculation (GB/T 8424.3-2001, eqvISO 105-J03.1995) FZ/T 01024 discoloration degree of sample instrument rating method (FZ/T 01024-1993, neqISO 105-A05.1992) Principle 3 Textile sample to go through the washing, rinsing and drying process. Washing the sample at a predetermined temperature, alkalinity and bleach concentration conditions so Obtained after several cycles machine washable consistent fade results in a short time. The sample and as compared with gray card or sample assessment instrument Discoloration of the sample series.

4.1 Standard detergent

4.1.1

ECE1998 standard phosphate-free detergent base powder.

4.1.2

bleach activator, tetraacetythylenediamine, TAED.

4.1.3

perborate sodium.