

**Textiles - Tests for colour fastness -
Part C09: Colour fastness to domestic
and commercial laundering - Oxidative
bleach response using a non-phosphate
reference detergent incorporating a low
temperature bleach activator**

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Colour fastness to domestic and commercial
laundering - Oxidative bleach response using a non-
phosphate reference detergent incorporating a low
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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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| <p>Käesolev Eesti standard EVS-EN ISO 105-C09:2003 sisaldab Euroopa standardi EN ISO 105-C09:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 06.06.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p> | <p>This Estonian standard EVS-EN ISO 105-C09:2003 consists of the English text of the European standard EN ISO 105-C09:2003.</p> <p>This document is endorsed on 06.06.2003 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p> |
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| <p>Käsitlusala:</p> <p>This part of ISO 105 specifies a method for determining the consumer relevant shange of textiles, of all kinds, and in all forms, to domestic/commercial laundering procedures in which a bleach activator in used</p> | <p>Scope:</p> <p>This part of ISO 105 specifies a method for determining the consumer relevant shange of textiles, of all kinds, and in all forms, to domestic/commercial laundering procedures in which a bleach activator in used</p> |
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ICS 59.080.01

Võtmesõnad:

English version

Textiles – Tests for colour fastness

Part C09: Colour fastness to domestic and commercial laundering –
Oxidative bleach response using a non-phosphate reference detergent
incorporating a low temperature bleach activator
(ISO 105-C09 : 2001)

Textiles – Essais de solidité des teintures – Partie C09: Solidité des teintures aux lavages domestiques et industriels – Blanchiment par oxydation utilisant un détergent de référence sans phosphate comprenant un activateur de blanchiment à basse température (ISO 105-C09 : 2001)

Textilien – Farbechtheitsprüfungen – Teil C09: Farbechtheit gegen oxidative Bleiche in der Haushaltswäsche und der gewerblichen Wäsche unter Verwendung eines phosphatfreien Testwaschmittels und eines bei niedrigen Temperaturen wirkenden Bleichaktivators (ISO 105-C09 : 2001)

This European Standard was approved by CEN on 2003-01-09.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Management Centre: rue de Stassart 36, B-1050 Brussels

Foreword

International Standard

ISO 105-C09 : 2001 Textiles – Tests for colour fastness – Part C09: Colour fastness to domestic and commercial laundering – Oxidative bleach response using a non-phosphate reference detergent incorporating a low temperature bleach activator,

which was prepared by ISO/TC 38 'Textiles' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 248 'Textiles and textile products', the Secretariat of which is held by BSI, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by September 2003 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 105-C09 : 2001 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative).

Introduction

The test method in this section of ISO 105 is intended to reflect the effect of multicycle laundering using an activated bleach detergent by domestic and commercial laundering procedures. The washes are carried out in a similar manner to the ISO 105-C06 tests using an activated oxygen bleach and reference detergent at 60 °C.

A paper describing the development of this method has been published in the *Journal of the Society of Dyers & Colourists*, Vol. 112, No.10, Oct. 1996, p. 287-292.

1 Scope

This part of ISO 105 specifies a method for determining the consumer relevant shade change of textiles, of all kinds, (excluding silk and wool) and in all forms, to domestic/commercial laundering procedures in which a bleach activator (oxygen bleaching system) is used.

The colour fastness resulting from oxygen bleaching in this test provides an indication of the shade change behaviour observed after multiple domestic/commercial launderings.

This part of ISO 105 is not applicable for the assessment of the dye staining of adjacent fabrics, where suitable methods are described in ISO 105-A04.

This part of ISO 105 does not reflect the contribution of optical brighteners, which are present in some commercial washing products, to shade change.

This part of ISO 105 specifies a procedure incorporating the use of ECE¹⁾ non-phosphate reference detergent, sodium perborate tetrahydrate, and the bleach activator tetra-acetylenediamine (TAED). An alternative test procedure using the AATCC 1993 zero phosphate reference detergent (without optical brightener), and incorporating sodium perborate monohydrate and the bleach activator sodium nonanoyloxybenzene sulphonate (SNOBS) is currently under development.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 105. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 105 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 105-A01:1994, *Textiles — Tests for colour fastness — Part A01: General principles of testing*

ISO 105-A02:1993, *Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour*

ISO 105-A05:1996, *Textiles — Tests for colour fastness — Part A05: Instrumental assessment of change in colour for determination of grey scale rating*

ISO 105-J01:1997, *Textiles — Tests for colour fastness — Part J01: General principles for measurement of surface colour*

1) European Colourfastness Establishment (ECE), BAM, Unter den Eichen 87, D-12203, Berlin, Germany.