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Standards

Irish Standard
I.S. EN 14362-2:2003

Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 2: Detection of the use of certain azo colorants accessible by extracting the fibres

I.S. EN 14362-2:2003

Incorporating amendments/corrigenda/National Annexes issued since publication:
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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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English version
Version Française
Deutsche Fassung

Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 2: Detection of the use of certain azo colorants accessible by extracting the fibres

Textiles - Méthodes de détermination de certaines amines aromatiques dérivées de colorants azoïques - Partie 2: Détection de l'utilisation de certains colorants azoïques accessibles par l'extraction des fibres

Textilien - Verfahren für die Bestimmung bestimmter aromatischer Amine aus Azofarbstoffen - Teil 2: Verwendungsnachweis bestimmter Azofarbstoffe durch Extraktion der Fasern

This corrigendum becomes effective on 9 March 2005 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 9 mars 2005 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 9.März 2005 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

English version

6.6 Citrate/sodium hydroxide buffer solution

" $c = 0,06 \text{ mol/ml}^1$ " is to be replaced by " $c = 0,06 \text{ mol/l}^1$ "

A.5 Capillary electrophoresis (CE)

In lines 3 and 4, against capillary 1 and capillary 2, "50 μl " is to be replaced by "50 μm "

Annex B Calculation

The formula is to be replaced by the following:

$$w = \frac{A_s \times A_{ISC} \times \rho_c \times V}{A_c \times A_{ISS} \times m_E}$$

Table 1 Results from an inter-laboratory trial

Table 1 is to be renamed into Table C.1

In column 5, the heading " R " is to be replaced by " r "

Version française

A.5 Électrophorèse capillaire (CE)

Dans les lignes 3 et 4, pour capillaire 1 et capillaire 2, "50 μl " doit être remplacé par "50 μm "

Annexe B Calculs

La formule doit être remplacée comme suit:

$$w = \frac{A_s \times A_{ISC} \times \rho_c \times V}{A_c \times A_{ISS} \times m_E}$$

Deutsche Fassung

Anhang B Berechnung

Die Gleichung ist wie folgt zu ersetzen:

$$w = \frac{A_s \times A_{ISC} \times \rho_c \times V}{A_c \times A_{ISS} \times m_E}$$

ICS 59.080.30

English version

**Textiles - Methods for determination of certain aromatic amines
derived from azo colorants - Part 2: Detection of the use of
certain azo colorants accessible by extracting the fibres**

Textiles - Méthodes de détermination de certaines amines
aromatiques dérivées de colorants azoïques - Partie 2:
Détection de l'utilisation de certains colorants azoïques
accessibles par l'extraction des fibres

Textilien - Verfahren für die Bestimmung bestimmter
aromatischer Amine aus Azofarbstoffen - Teil 2:
Verwendungsnachweis bestimmter Azofarbstoffe durch
Extraktion der Fasern

This European Standard was approved by CEN on 1 September 2003.

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.

This European Standard exists 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document (EN 14362-2:2003) has been prepared by Technical Committee CEN/TC 248 "Textiles and textile products", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2004, and conflicting national standards shall be withdrawn at the latest by April 2004.

Annexes A, C, D and E are informative. Annex B is normative.

This European Standard calls for the use of substances and/or procedures that may be injurious to health if appropriate precautions are not observed. It refers only to technical suitability and does not absolve the user from legal obligations relating to health and safety at any stage.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This part of EN 14362 describes a procedure to detect the use of certain azo colorants that may not be used in the manufacture or treatment of certain commodities made of synthetic fibres dyed with extractable dyes.

For the direct test method, see EN 14362-1 *Detection of the use of certain azo colorants accessible without extraction*.

For certain fibre blends both parts of this standard may need to be applied.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references subsequent amendments to, or revisions of, any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN ISO 3696, *Water for analytical laboratory use — Specification and test methods (ISO 3696:1987)*

ISO 4787, *Laboratory glassware — Volumetric glassware – Methods for use and testing of capacity*

3 General

Certain azo colorants may release, by reductive cleavage of azo group(s), one or more of the following aromatic amines, which are proscribed under Directive 2002/61/EC.

Table 1 – Aromatic amines proscribed under Directive 2002/61/EC.

No.	CAS number	Index number	EC number	Substances
1	92-67-1	612-072-00-6	202-177-1	biphenyl-4-ylamin 4-aminobiphenyl xenylamine
2	92-87-5	612-042-00-2	202-199-1	benzidine
3	95-69-2		202-441-6	4-chloro-o-toluidine
4	91-59-8	612-022-00-3	202-080-4	2-naphthylamine
5*	97-56-3	611-006-00-3	202-591-2	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine
6*	99-55-8		202-765-8	5-nitro-o-toluidine
7	106-47-8	612-137-00-9	203-401-0	4-chloroaniline
8	615-05-4		210-406-1	4-methoxy-m-phenylenediamine

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