



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 14944-1:2006

ICS 13.060.20
67.250

**INFLUENCE OF CEMENTITIOUS PRODUCTS
ON WATER INTENDED FOR HUMAN
CONSUMPTION - TEST METHODS - PART 1:
INFLUENCE OF FACTORY MADE
CEMENTITIOUS PRODUCTS ON
ORGANOLEPTIC PARAMETERS**

National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
<http://www.nsai.ie>

Sales
<http://www.standards.ie>

*This Irish Standard was
published under the
authority of the National
Standards Authority of
Ireland and comes into
effect on:*

June 16, 2006

**NO COPYING WITHOUT NSAI
PERMISSION EXCEPT AS
PERMITTED BY COPYRIGHT
LAW**

© NSAI 2006

Price Code O

Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

EN 14944-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2006

ICS 13.060.20; 67.250

English Version

Influence of cementitious products on water intended for human consumption - Test methods - Part 1: Influence of factory made cementitious products on organoleptic parameters

Influence des produits à base de ciment sur l'eau destinée à la consommation humaine - Méthodes d'essai - Partie 1: Influence des produits à base de ciment fabriqués en usine sur les paramètres organoleptiques

Einfluss von zementgebundenen Produkten auf Wasser für den menschlichen Gebrauch - Prüfverfahren - Teil 1: Einfluss fabrikmäßig hergestellter zementgebundener Produkte auf organoleptische Parameter

This European Standard was approved by CEN on 13 February 2006.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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



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

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

Contents

	Page
Foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Principle	8
5 Reagents	8
6 Apparatus	10
7 Samples and test pieces	11
8 Pre-treatment of samples (curing, preconditioning and disinfection)	13
9 Test procedure	14
10 Determination of odour as TON and flavour as TFN	14
11 Determination of colour and turbidity	15
12 Expression of results	15
13 Test report	15
Annex A (normative) Additional procedures for testing factory made pipes (cement mortar lined and concrete)	17
Annex B (normative) Additional procedures for testing factory made fittings (cement mortar lined and concrete)	21
Annex C (normative) Additional procedures for testing factory made storage systems (cement mortar, cement mortar lined and concrete)	26
Annex D (informative) Examples of typical test pieces and test conditions as a function of S/V ratio	31
Annex E (informative) Test arrangements for testing factory made cementitious products	35
Annex F (normative) Additional procedures for testing factory made cementitious products at elevated temperature	41
Annex G (informative) Discrimination between porous and non-porous coatings on factory made products	42
Annex H (informative) Schematic description of the test procedure	44
Bibliography	47

Foreword

This document (EN 14944-1:2006) has been prepared by Technical Committee CEN/TC 164 "Water supply", the secretariat of which is held by AFNOR.

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 October 2006, and conflicting national standards shall be withdrawn at the latest by October 2006.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

It describes a test method to determine the influence(s) of factory made cementitious products on the organoleptic parameters of water intended for human consumption.

Annex A, which is normative, describes additional procedures for testing factory made pipes (cement mortar lined and concrete).

Annex B, which is normative, describes additional procedures for testing factory made fittings (cement mortar lined and concrete).

Annex C, which is normative, describes additional procedures for testing factory made storage systems (cement mortar, cement mortar lined and concrete).

Annex D, which is informative, provides examples of typical test pieces and test conditions as a function of S/V ratio.

Annex E, which is informative, describes test arrangements for testing factory made cementitious products

Annex F, which is normative, describes additional procedures for testing factory made cementitious products at elevated temperature.

Annex G, which is informative, provides a means of discriminating between porous and non-porous coatings on factory made products.

Annex H, which is informative, provides a schematic description of the test (preconditioning and migration) procedure.

This European Standard provides a bibliography.

This European Standard will result in one of a series of standards that support appropriate standards.

This European Standard is Part 1 of a series dealing with the influence of cementitious and associated non-cementitious products/materials on water intended for human consumption, including:

- Part 1: Influence of factory made cementitious products on organoleptic parameters
- Part 2¹: Influence of site-applied cementitious materials and associated non-cementitious products/materials on organoleptic parameters
- Part 3: Migration of substances from factory made cementitious products.
- Part 4²: Migration of substances from site-applied cementitious materials and associated non-cementitious products/materials.

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

¹ The work on Part 2 of EN 14944 has not yet begun.

² The work on Part 4 of EN 14944 has not yet begun.

EN 14944-1:2006 (E)

Introduction

With respect to any potential adverse effects of products and materials on the quality of water intended for human consumption, it should be understood that relevant national regulations remain in force until verifiable European acceptance criteria are adopted.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-