

Materials and articles in contact with foodstuffs — Silicate surfaces —

Part 2: Determination of the release of lead and cadmium from silicate surfaces other than ceramic ware

The European Standard EN 1388-2:1995 has the status of a
British Standard

ICS 67.040; 81.040.30

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee CW/47, Materials in contact with food, upon which the following bodies were represented:

- Aluminium Federation
- Association of Metropolitan Authorities
- Association of Public Analysts
- British Adhesives and Sealants Association
- British Ceramic Gift and Tableware Manufacturers' Association
- British Coatings Federation Ltd.
- British Glass Manufacturers' Confederation
- British Importers' Confederation
- British Plastics Federation
- British Rubber Manufacturers' Association Ltd.
- British Retail Consortium
- British Stainless Steel Association
- Catering Utensils Association
- Cooperative Union
- Cutlery and Allied Trades Research Association
- Department of Trade and Industry (Consumer Safety Unit, CA Division)
- Department of Trade and Industry (Laboratory of the Government Chemist)
- Hotel and Catering International Management Association
- Institute of Trading Standards Administration
- ITRI Ltd.
- Leatherhead Food Research Association
- METCOM
- Ministry of Agriculture, Fisheries and Food
- Packaging and Industrial Films Association
- Paper Federation of Great Britain
- Pira International
- Royal Society of Chemistry
- Vitreous Enamel Development Council

The following body was also represented in the drafting of the standard, through subcommittees and panels:

British Ceramic Research Ltd.

Amendments issued since publication

Amd. No.	Date	Comments

The following BSI references relate to the work on this standard:
Committee reference CW/47
Draft for comment 94/304312 DC

ISBN 0 580 25501 8

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	2
Text of EN 1388-2	3
List of references	14

National foreword

This Part of BS EN 1388 has been prepared by Technical Committee CW/47 and is the English language version of EN 1388-2:1995, *Materials and articles in contact with foodstuffs — Silicate surfaces — Part 2: Determination of the release of lead and cadmium from silicate surfaces other than ceramic ware*, published by the European Committee for Standardization (CEN).

BS 6748:1986, which specifies limits for the release of lead and cadmium from glassware, glass ceramic ware and vitreous enamel ware, remains current because it is referred to in UK regulations.

EN 1388-2 was produced as a result of international discussions in which the United Kingdom took an active part.

Cross-references

Publication referred to	Corresponding British Standard
ISO 835-1:1981	BS 700 <i>Graduated pipettes</i>
ISO 835-2:1981	Part 1:1982 <i>Specification for general requirements</i> Part 2:1982 <i>Specification for pipettes for which no waiting time is specified</i>
ISO 1042:1983	BS 1792:1982 <i>Specification for one-mark volumetric flasks</i>
ISO 2723:1973	BS 1344 <i>Methods of testing vitreous enamel finishes</i> Part 12:1975 <i>Production of specimens for testing coatings on sheet steel</i>
ISO 2724:1973	Part 13:1975 <i>Production of specimens for testing coatings on cast iron</i>
ISO 3585:1991	BS 2598 <i>Glass plant, pipeline and fittings</i> Part 1:1991 <i>Specification for properties of borosilicate glass 3.3</i>
ISO 3696:1987	BS EN ISO 3696:1995 <i>Water for analytical laboratory use — Specification and test methods</i>
ISO 4788:1980	BS 604:1982 <i>Specification for graduated glass measuring cylinders</i>

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 14, an inside back cover and a back cover.

The BSI copyright notice displayed in this document indicates when the document was last issued.

ICS 67.040; 81.040.30

Descriptors: Food industry, human nutrition, food, food-container contact, silicates, lead, cadmium, emission, ceramics, tests, chemical analysis, samples

English version

Materials and articles in contact with foodstuffs —
Silicate surfaces —
Part 2: Determination of the release of lead and cadmium
from silicate surfaces other than ceramic ware

Matériaux et articles en contact avec les denrées
alimentaires —
Surfaces silicatées —
Partie 2: Détermination de l'émission de plomb et de
cadmium par les surfaces silicatées autre que les
articles en céramique

Werkstoffe und Gegenstände in Kontakt mit
Lebensmitteln —
Silicatische Oberflächen —
Teil 2: Bestimmung der Abgabe von Blei und
Cadmium aus silicatischen Oberflächen
ausgenommen keramischen Gegenständen

This European Standard was approved by CEN on 1995-10-04. 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

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

Central Secretariat: rue de Stassart 36, B-1050 Brussels

© 1995 All rights of reproduction and communication in any form and by any means reserved in all countries to CEN and its members.

Foreword

This European Standard has been prepared by a Working Group (3) of CEN/TC 194, Utensils in contact with food, of which the Secretariat is held by BSI, as one of two standards for release of lead and cadmium. A further Part of this European Standard will be prepared with the following title:

EN 1388-1, *Materials and articles in contact with foodstuffs — Silicate surfaces — Part 1: Determination of the release of lead and cadmium from ceramic ware.*

The text of the draft was submitted to the unique acceptance procedure and was approved by CEN 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, at the latest by April 1996, and conflicting national standards shall be withdrawn at the latest by April 1996.

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

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

Contents

	Page
Foreword	2
Introduction	3
1 Scope	3
2 Normative references	3
3 Definitions	4
4 Principle	6
5 Reagents	6
6 Apparatus	7
7 Samples	8
8 Preparation of samples	8
9 Procedure	9
10 Expression of results	11
11 Test report	12
Annex A (informative) Bibliography	13