

Materials and articles in contact with foodstuffs – Plastics
Part 10: Test methods for overall migration into olive oil (modified
method for use in cases where incomplete extraction of olive oil occurs)
English version of DIN EN 1186-10

DIN
EN 1186-10

ICS 67.250

Supersedes
DIN V ENV 1186-10,
August 1994 edition.

Werkstoffe und Gegenstände in Kontakt mit Lebensmitteln –
Kunststoffe – Teil 10: Prüfverfahren für die Gesamtmigration in
Olivenöl (Modifiziertes Verfahren für die Anwendung bei unvoll-
ständiger Extraktion von Olivenöl)

European Standard EN 1186-10 : 2002 has the status of a DIN Standard.

A comma is used as the decimal marker.

National foreword

This standard has been prepared by CEN/TC 194 'Utensils in contact with food' (Secretariat: United Kingdom).

The responsible German body involved in its preparation was the *Normenausschuss Materialprüfung* (Materials Testing Standards Committee), Technical Committee *Bedarfsgegenstände aus Kunststoff in Kontakt mit Lebensmitteln – Prüfung der Migration aus Kunststoffen*.

Amendments

The status of the standard is now that of a full standard.

Previous edition

DIN V ENV 1186-10: 1994-08.

EN comprises 12 pages.

English version

Materials and articles in contact with foodstuffs – Plastics

Part 10: Test methods for overall migration into olive oil (modified method for use in cases where incomplete extraction of olive oil occurs)

Matériaux et objets en contact avec les denrées alimentaires – Matières plastiques – Partie 10: Méthodes d'essai pour la migration globale dans l'huile d'olive (méthode modifiée à utiliser en cas d'extraction incomplète de l'huile d'olive)

Werkstoffe und Gegenstände in Kontakt mit Lebensmitteln – Kunststoffe – Teil 10: Prüfverfahren für die Gesamtmigration in Olivenöl (Modifiziertes Verfahren für die Anwendung bei unvollständiger Extraktion von Olivenöl)

This European Standard was approved by CEN on 2002-05-02.

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, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, 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

Contents

	Page
Foreword.....	3
1 Scope	4
2 Normative references	4
3 Principle	5
4 Reagents	5
5 Apparatus	6
6 Preparation of test specimens.....	6
7 Procedure	6
7.1 General.....	6
7.2 Initial weighing of test specimens.....	6
7.3 Exposure to food simulant.....	6
7.4 Final weighing of test specimens.....	6
7.5 Extraction of absorbed olive oil	6
7.6 Determination of extracted olive oil	7
7.6.1 Preparation of fatty acid methyl esters	7
7.6.2 Determination of fatty acid methyl esters	8
8 Expression of results	8
8.1 Method of calculation	8
8.2 Precision	8
9 Test report	8
Annex A (normative) Determination of the suitability of olive oil as the fatty food simulant and of triheptadecanoin as the internal standard	9
A.1 Principle	9
A.2 Procedure	9
A.3 Conclusions.....	9
Annex B (informative) Precision	10
Annex ZA (informative) Relationship of this European Standard with Council Directive 89/109/EEC and Commission Directive 90/128/EEC and associated Directives	11
Bibliography	12