

ICS 67.250

English version

Materials and articles in contact with foodstuffs - Plastics - Part  
14: Test methods for 'substitute tests' for overall migration from  
plastics intended to come into contact with fatty foodstuffs using  
test media iso-octane and 95 % ethanol

Matériaux et objets en contact avec les denrées  
alimentaires - Matière plastique - Partie 14: Méthodes  
d'essai pour des 'tests de substitution' pour la migration  
globale des matières destinées au contact avec les  
denrées alimentaires gras en utilisant des liquides  
simulateurs tels que l'isooctane et l'éthanol à 95 %

Werkstoffe und Gegenstände in Kontakt mit Lebensmitteln  
- Kunststoffe - Teil 14: Prüfverfahren für "Ersatzprüfungen"  
für die Gesamtmigration aus Kunststoffen, die für den  
Kontakt mit fettigen Lebensmitteln bestimmt sind, unter  
Verwendung der Prüfmedien Iso-Octan und 95 %igem  
Ethanol

This European Standard was approved by CEN on 29 April 2002.

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

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

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## Foreword

This document EN 1186-14 has been prepared by Technical Committee CEN/TC 194 "Utensils in contact with food", 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of an identical text or by endorsement, at the latest by March 2003, and conflicting national standards shall be withdrawn at the latest by March 2003.

This document supersedes ENV 1186-14:1999.

For relationship with EU Directive(s), see informative annex ZA, which is an integral part of this document.

This European Standard has been prepared as one of a series of test methods for plastics materials and articles in contact with foodstuffs.

**WARNING — Both iso-octane and ethanol are volatile flammable solvents. Take care to ensure that the test specimens are well stoppered, closed and covered to prevent solvent volatilizing into the interior of the oven, incubator or refrigerator and generating an explosive mixture. Care should be taken at all times when handling these solvents to prevent contact with sources of ignition.**

EN 1186-14 should be read in conjunction with EN 1186-1, EN 1186-3, EN 1186-5, EN 1886-7, and EN 1186-9.

Further Parts of this standard have been prepared concerned with the determination of overall migration from plastics materials into food simulants. Their titles are as follows:

EN 1186 - Materials and articles in contact with foodstuffs – Plastics –

- |         |  |
|---------|--|
| Part 1  | Guide to the selection of conditions and test methods for overall migration  |
| Part 2  | Test methods for overall migration into olive oil by total immersion   |
| Part 3  | Test methods for overall migration into aqueous food simulants by total immersion  |
| Part 4  | Test methods for overall migration into olive oil by cell  |
| Part 5  | Test methods for overall migration into aqueous food simulants by cell   |
| Part 6  | Test methods for overall migration into olive oil using a pouch  |
| Part 7  | Test methods for overall migration into aqueous food simulants using a pouch   |
| Part 8  | Test methods for overall migration into olive oil by article filling   |
| Part 9  | Test methods for overall migration into aqueous simulants by article filling   |
| Part 10 | Test methods for overall migration into olive oil (modified method for use in cases where incomplete extraction of olive oil occurs) |
| Part 11 | Test methods for overall migration into mixtures of <sup>14</sup> C-labelled synthetic triglyceride                                  |
| Part 12 | Test methods for overall migration at low temperatures   |
| Part 13 | Test methods for overall migration at high temperatures  |