

Fatty food — Determination of pesticides and polychlorinated biphenyls (PCBs)

Part 1. General

The European Standard EN 1528-1 : 1996 has the status of a
British Standard

ICS 67.040

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Panel AW/-/3, Food analysis — Horizontal methods, upon which the following bodies were represented:

- Association of Public Analysts
- Department of Trade and Industry (Laboratory of the Government Chemist)
- Food and Drink Federation
- Institute of Food Science and Technology
- Ministry of Agriculture Fisheries and Food
- Royal Society of Chemistry

This British Standard, having been prepared under the direction of the Consumer Products and Services Sector Board, was published under the authority of the Standards Board and comes into effect on 15 June 1997

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National foreword

This British Standard has been prepared by Technical Panel AW/-3 and is the English language version of EN 1528-1: 1996 *Fatty food — Determination of pesticides and polychlorinated biphenyls (PCBs) Part 1: General* published by the European Committee for Standardization (CEN). EN 1528-1 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
EN 1528-2 : 1996	BS EN 1528-2 : 1997 <i>Fatty food — Determination of pesticides and polychlorinated biphenyls (PCBs) Part 2 : Extraction of fat, pesticides and PCBs, and determination of fat content</i>
EN 1528-3 : 1996	BS EN 1528-3 : 1997 <i>Fatty food — Determination of pesticides and polychlorinated biphenyls (PCBs) Part 3 : Clean-up methods</i>
EN 1528-4 : 1996	BS EN 1528-4 : 1997 <i>Fatty food — Determination of pesticides and polychlorinated biphenyls (PCBs) Part 4 : Determination, confirmatory tests, miscellaneous</i>

The Technical Committee has reviewed the provisions of ISO 1750, to which normative reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard.

ISO 5725 : 1986, to which informative reference is made in the text, has been superseded by ISO 5725-1 : 1994, ISO 5725-2 : 1994, ISO 5725-3 : 1994, ISO 5725-4 : 1994 and ISO 5725-6 : 1994 which are identical with BS ISO 5725 *Accuracy (trueness and precision) of measurement methods and results*, BS ISO 5725-1 : 1994 *General principles and definitions*, BS ISO 5725-2 : 1994 *Basic method for the determination of repeatability and reproducibility of a standard measurement method*, BS ISO 5725-3 : 1994, *Intermediate measures of the precision of a standard measurement method*, BS ISO 5725-4 : 1994 *Basic method for the determination of the trueness of a standard measurement method*, and BS ISO 5725-6 : 1994 *Use in practice of accuracy values*.

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 12, an inside back cover and a back cover.

ICS 67.040

Descriptors: Food products, edible fats, chemical analysis, determination of content, pesticides, polychlorobiphenyl, gas chromatography, generalities

English version

Fatty food — Determination of pesticides and polychlorinated biphenyls (PCBs) — Part 1 : General

Aliments gras — Dosage des pesticides et des polychlorobiphényles (PCB) —
Partie 1 : Généralités

Fettreiche Lebensmittel — Bestimmung von Pestiziden und polychlorierten Biphenylen (PCB) —
Teil 1 : Allgemeines

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CEN

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

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Foreword

This European Standard has been prepared by Technical Committee 275, Food analysis, horizontal methods', the secretariat of which is held by DIN.

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 May 1997, and conflicting national standards shall be withdrawn at the latest by May 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of 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 the United Kingdom.

This European Standard consists of the following Parts.

- Part 1 *General* presents the scope of the standard and describes general considerations with regard to reagents, apparatus, gas chromatography etc., applying to each of the analytical methods selected.
- Part 2 *Extraction of fat, pesticides and PCBs, and determination of fat content* presents a range of analytical procedures for extracting the fat portion containing the pesticide and PCB residues from different groups of fat containing foodstuffs.
- Part 3 *Clean-up methods* presents the details of methods A to H for the clean-up of fats and oils or the isolated fat portion, respectively, using techniques such as liquid—liquid partition, adsorption or gel permeation column chromatography.
- Part 4 *Determination, confirmatory tests, miscellaneous* gives guidance on some recommended techniques for the determination of pesticides and PCBs in fatty foodstuffs and on confirmatory tests, and lists a clean-up procedure for the removal of the bulk of lipids when analysing large quantities of fat.

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