

Methods of analysis of

Fats and fatty oils —

Part 2: Other methods —

Section 2.38 Determination of the proportions of individual sterols in the sterol fraction

IMPORTANT NOTE. It is essential that BS 684-0, which is published separately, be read in conjunction with this Section.

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Agriculture and Food Standards Policy Committee (AFC/-) to Technical Committee AFC/18, upon which the following bodies were represented:

- AFRC Institute of Food Research
- Association of Public Analysts
- British Food Manufacturing Industries Research Association
- Department of Trade and Industry (Laboratory of the Government Chemist)
- FOSFA International
- Institute of Biology
- International Association of Seed Crushers
- International Federation of Inspection Agencies
- Margarine and Shortening Manufacturers' Association
- Ministry of Agriculture, Fisheries and Food
- Natural Resources Institute
- Royal Society of Chemistry
- Seed Crushers' and Oil Processors' Association
- Soap and Detergent Industry Association
- Society of Chemical Industry
- Tropical Growers' Association
- United Kingdom Renderers' Association Ltd.

This British Standard, having been prepared under the direction of the Agriculture and Food Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 1 May 1992

© BSI 08-1999

First edition October 1983
Second edition May 1992

The following BSI references relate to the work on this standard:
Committee reference AFC/18
Draft for comment 89/53225 DC

ISBN 0 580 20663 7

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Introduction	1
1 Scope	1
2 Normative references	1
3 Principle	1
4 Reagents	1
5 Apparatus	2
6 Sampling	3
7 Preparation of the test sample	3
8 Procedure	3
9 Expression of results	5
10 Test report	5
Annex A (informative) Bibliography	6
Table 1 — Relative retention times for packed columns	4
Table 2 — Relative retention times for capillary columns	5
Publication(s) referred to	Inside back cover

National foreword

This revision of BS 684-2.38 has been prepared under the direction of the Agriculture and Food Standards Policy Committee. It is identical with ISO 6799:1991 “*Animal and vegetable fats and oils — Determination of composition of the sterol fraction — Method using gas chromatography*”, published by the International Organization for Standardization (ISO), and in the preparation of which the United Kingdom played a full part. This revision supersedes BS 684-2.38:1983, which is withdrawn and from which it differs in that the use of capillary columns is described in addition to packed columns.

Cross-references

International Standard	Corresponding British Standard
	BS 684 <i>Methods of analysis of fats and fatty oils</i>
ISO 661:1989	Part 0:1989 <i>General introduction</i> (Appendix B is identical)
ISO 3596-1:1988	Section 2.7:1989 <i>Determination of unsaponifiable matter</i> (Identical)
ISO 3696:1987	BS 3978:1987 <i>Specification for water for laboratory use</i> (Identical)
ISO 5508:1990	BS 684 <i>Methods of analysis of fats and fatty oils</i> Section 2.35:1990 <i>Analysis by gas chromatography of methyl esters of fatty acids</i> (Identical)
ISO 5509:1978	Section 2.34:1980 <i>Preparation of methyl esters of fatty acids</i> (Identical)
ISO 5555:1991	BS 627:1991 <i>Methods for sampling of animal and vegetable fats and oils</i> (Identical)

There is no corresponding British Standard to ISO 3596-2:1988 (see clause 2, 4.1, 5.1 and 8.1). In the United Kingdom, it is the practice to use the method given in ISO 3596-1:1988 (identical to BS 684-2.7:1989).

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their 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, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.