

Methods for

# Analysis of milk-based products —

**Part 1: Determination of fat content of milk-based infant foods by the Röse-Gottlieb gravimetric method**

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# Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Dairying Standards Policy Committee (DAC/-) to Technical Committee DAC/3, upon which the following bodies were represented:

- AFRC Institute of Food Research, Reading Laboratory
- Association of British Preserved Milk Manufacturers
- Association of Public Analysts
- Association of Public Analysts of Scotland
- Creamery Proprietors' Association
- Department of Trade and Industry — Laboratory of the Government Chemist
- Ice Cream Alliance Limited
- Intervention Board for Agricultural Produce
- Joint Committee of the Milk Marketing Board and the Dairy Trade Federation
- Milk Marketing Board
- Milk Marketing Board for Northern Ireland
- Ministry of Agriculture, Fisheries and Food
- Royal Association of British Dairy Farmers
- Royal Society of Chemistry
- Society of Chemical Industry
- Society of Dairy Technology

This British Standard, having been prepared under the direction of the Dairying Standards Policy Committee, was published under the authority of the Board of BSI and comes into effect on 29 September 1989

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# National foreword

This Part of BS 7142 has been prepared under the direction of the Dairying Standards Policy Committee. It is identical with ISO 8381:1987 *“Milk-based infant foods — Determination of fat content — Röse-Gottlieb gravimetric method (Reference method)”*, prepared by ISO/TC 34, Agricultural food products, of the International Organization for Standardization (ISO). The method described in ISO 8381 was developed jointly with the International Dairy Federation (IDF) and the Association of Official Analytical Chemists (AOAC).

**Terminology and conventions.** The text of the International Standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following.

The comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

The symbol “l” has been used to denote litre (and in its submultiples). In British Standards, it is current practice to use the symbol “L”.

Wherever the words “International Standard” appear, referring to this standard, they should be read as “Part of BS 7142”.

## Cross-references

| International Standard | Corresponding British Standard                                                                                                                                                                      |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ISO 707:1985           | BS 809:1985 <i>Methods for sampling of milk and milk products</i><br>(Identical)                                                                                                                    |
| ISO 1211:1984          | BS 1741 <i>Methods for chemical analysis of liquid milk and cream</i><br>Part 3:1987 <i>Determination of fat content of liquid milk</i><br>(Identical)                                              |
| ISO 3889:1977          | BS 5522:1977 <i>Specification for milk and milk products — determination of fat content — Mojonnier-type fat extraction flasks</i><br>(Identical)                                                   |
| ISO 5725:1986          | BS 5497 <i>Precision of test methods</i><br>Part 1:1987 <i>Guide for the determination of repeatability and reproducibility for a standard test method by inter-laboratory tests</i><br>(Identical) |
| ISO 8262-1:1987        | BS 7142 <i>Methods for analysis of milk-based products</i><br>Part 2:1989 <i>Determination of fat content of milk-based infant foods by the Weibull-Berntrop gravimetric method</i><br>(Identical)  |

**Additional information.** Although not specified in the ISO text, it is strongly recommended that duplicate determinations are undertaken. Provided that the duplicate values, calculated as described in **9.1**, comply with the repeatability requirements of **9.2.1**, the result should be reported as the mean value, and in such cases, the test report (see clause **11**) should include a reference to the fact that such a result has been reported.

When results reported are the mean of two values that comply with the repeatability requirement, the difference between the results reported for fat content, obtained on samples of the same test material by two different analysts in two different laboratories, should not exceed the value stated in **9.2.2**.

With reference to the Bibliography, copies of International Dairy Federation Report No. 51 may be obtained from the United Kingdom Dairy Association, Giggs Hill Green, Thames Ditton, Surrey.

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 to iv, pages 1 to 10, 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.

