
**Butter — Determination of moisture,
non-fat solids and fat contents —**

Part 3:
Calculation of fat content

*Beurre — Détermination des teneurs en eau, en matière sèche non
grasse et en matière grasse —*

Partie 3: Calcul de la teneur en matière grasse



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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 3727-3|IDF 80-3 was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 5, *Milk and milk products*, and the International Dairy Federation (IDF), in collaboration with AOAC International. It is being published jointly by ISO and IDF and separately by AOAC International.

This first edition of ISO 3727-3|IDF 80-3, together with ISO 3727-1|IDF 80-1 and ISO 3727-2|IDF 80-2, cancels and replaces ISO 3727:1977, which has been technically revised.

ISO 3727|IDF 80 consists of the following parts, under the general title *Butter — Determination of moisture, non-fat solids and fat contents*:

- *Part 1: Determination of moisture content (Reference method)*
- *Part 2: Determination of non-fat solids content (Reference method)*
- *Part 3: Calculation of fat content*

Foreword

IDF (the International Dairy Federation) is a worldwide federation of the dairy sector with a National Committee in every member country. Every National Committee has the right to be represented on the IDF Standing Committees carrying out the technical work. IDF collaborates with ISO and AOAC International in the development of standard methods of analysis and sampling for milk and milk products.

Draft International Standards adopted by the Action Teams and Standing Committees are circulated to the National Committees for voting. Publication as an International Standard requires approval by at least 50 % of the National Committees casting a vote.

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All work was carried out by the Joint ISO/IDF/AOAC Action Team, *Water*, and that on *Fat*, of the Standing Committee on *Main components of milk*, under the aegis of its project leaders, Mr G.J. Beutick (NL) and Mrs N. Nicolas (FR).

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Butter — Determination of moisture, non-fat solids and fat contents —

Part 3: Calculation of fat content

1 Scope

This part of ISO 3727|IDF 80 specifies a method for the calculation of the fat content of butter.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3727-1|IDF 80-1, *Butter — Determination of moisture, non-fat solids and fat contents — Part 1: Determination of moisture content (Reference method)*

ISO 3727-2|IDF 80-2, *Butter — Determination of moisture, non-fat solids and fat contents — Part 2: Determination of non-fat solids content (Reference method)*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

fat content

mass fraction of substances determined by the procedure specified in this part of ISO 3727|IDF 80

NOTE The fat content is expressed as a mass fraction in percent.

4 Principle

The fat content is calculated by subtracting the mass fraction of substances determined by the procedures described in both ISO 3727-1|IDF 80-1 and ISO 3727-2|IDF 80-2 from the total mass fraction of substances (equal to 100 %).