

Methods of test for

Meat and meat products —

Part 14: Determination of L-(+)-glutamic acid content (reference method)

[ISO title: Meat and meat products — Determination of L-(+)-glutamic acid content (Reference method)]

UDC 637.5:664.91/.94:543:547.466.64

Cooperating organizations

The Food and Agriculture Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations.

- Agricultural Co-operation and Marketing Services
- Agricultural Research Council, Meat Research Institute
- British Food Manufacturing Industries Research Association*
- British Industrial Biological Research Association Ltd
- Campden Food Preservation Research Association
- Consumer Standards Advisory Committee of BSI
- Department of Agriculture and Fisheries for Scotland
- Department of Agriculture (Government of Northern Ireland)
- Department of Industry (Laboratory of the Government Chemist)*
- Flour Milling and Baking Research Association
- Food and Drink Industries Council
- Food Manufacturers' Federation Incorporated
- Institute of Brewing
- Local Authority Joint Advisory Committee on Food Standards
- Ministry of Agriculture, Fisheries and Food*
- National Farmers' Union*
- National Farmers' Union of Scotland
- Tobacco Advisory Council

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

- Agricultural Research Council
- Bacon and Meat Manufacturers' Association
- British Poultry Federation Limited
- Chemical Society, Analytical Division
- Institute of Meat
- Licensed Animal Slaughterers and Salvage Association
- Meat and Livestock Commission
- National Federation of Meat Traders' Associations (Inc)
- Public Health Laboratory Service
- Society of Chemical Industry
- Ulster Farmers' Union

This British Standard, having been prepared under the direction of the Food and Agriculture Standards Committee, was published under the authority of the Executive Board and comes into effect on 31 October 1979

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The following BSI references relate to the work on this standard:
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National foreword

This Part of BS 4401 is identical with ISO 4134 “*Meat and meat products — Determination of L-(+)-glutamic acid content (Reference method)*” published by the International Organization for Standardization (ISO).

Other Parts of this British Standard are:

- *Part 1: Determination of ash* (technically equivalent to ISO/R 937);
- *Part 2: Determination of nitrogen content* (technically equivalent to ISO/R 936);
- *Part 3: Determination of moisture content* (technically equivalent to ISO 1442);
- *Part 4: Determination of total fat content* (technically equivalent to ISO 1443-4);
- *Part 5: Determination of free fat content* (technically equivalent to ISO/R 1444);
- *Part 6: Determination of chloride content* (technically equivalent to ISO/R 1841);
- *Part 7: Determination of nitrate content*;
- *Part 8: Determination of nitrite content*;
- *Part 9: Measurement of pH* (identical with ISO 2917);
- *Part 10: Determination of total phosphorus content* (identical with ISO 2294);
- *Part 11: Determination of L(-)-hydroxyproline content (reference method)* (identical with ISO 3496);
- *Part 12: Determination of starch content of meat products (reference method)* (identical with ISO 5554);
- *Part 13: Determination of glucono-delta-lactone content (reference method)* (identical with ISO 4133).

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

Wherever the words “International Standard” appear, referring to this publication, they should be read as “British Standard”.

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

Cross-references

International Standard	Corresponding British Standard
ISO 648:1977	BS 1583:1961 <i>One-mark pipettes</i> (Technically equivalent)
ISO/R 835:1968	BS 700:1976 <i>Specification for graduated pipettes</i> (including blowout pipettes) (Technically equivalent)
ISO 1042:1975	BS 1792:1960 <i>One-mark volumetric flasks</i> (Technically equivalent)
ISO 1442:1973	BS 4401 <i>Methods of test for meat and meat products</i> Part 3:1970 <i>Determination of moisture content</i> (Technically equivalent)
ISO 3100 (see note 1)	BS 5348 <i>Methods for sampling meat and meat products</i>

NOTE 1 The general reference to ISO 3100 in clause 2 and 7.1 applies at present only to ISO 3100-1:1975 which is related to BS 5348-1:1976; subsequent Parts of ISO 3100 are expected to be published as dual-numbered Parts of BS 5348.

NOTE 2 *Textual errors.* When the text of the International Standard was adopted, the printing errors, listed below, were noticed. They have been corrected in this British Standard and have been reported to ISO. The International Standard will be amended in due course.

Clause 4, reaction 1): “ α -cetoglutarate” has been deleted and replaced by “ α -cetoglutamate”.

Clause 4, reaction 2): “chlorure d’iodonitrotetrazolium” has been deleted and replaced by “iodonitrotetrazolium chloride”.

Clause 5.3, paragraph a), line 4: “exemple” has been deleted and replaced by “example”.

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 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.