

**IDF
107**

Second edition
2003-01-15

Caseins and caseinates — Determination of contents of scorched particles and of extraneous matter

Caséines et caséinates — Détermination de la teneur en particules brûlées et en matières exogènes

RECIPIENTS OF THIS DOCUMENT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.



Reference numbers
ISO 5739:2003(E)
IDF 107:2003(E)

© ISO and IDF 2003

This is a preview of "ISO 5739:2003". [Click here to purchase the full version from the ANSI store.](#)

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. Neither the ISO Central Secretariat nor the IDF accepts any liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies and IDF national committees. In the unlikely event that a problem relating to it is found, please inform the ISO Central Secretariat at the address given below.

© ISO and IDF 2003

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO or IDF at the respective address below.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

International Dairy Federation
Diamant Building • Boulevard Auguste Reyers 80 • B-1030 Brussels
Tel. + 32 2 733 98 88
Fax + 32 2 733 04 13
E-mail info@fil-idf.org
Web www.fil-idf.org

Published in Switzerland

This is a preview of "ISO 5739:2003". Click here to purchase the full version from the ANSI store.

Contents

Page

Foreword ISO.....	iv
Foreword IDF	v
Introduction	vi
1 Scope.....	1
2 Normative references	1
3 Terms and definitions.....	1
4 Principle	1
5 Reagents	1
6 Apparatus	2
7 Sampling	3
8 Procedure	3
8.1 Preparation of test sample	3
8.2 Test portion	4
8.3 Determination	4
9 Evaluation and expression of results	5
9.1 Evaluation	5
9.2 Expression of results.....	5
10 Precision	5
10.1 Repeatability.....	5
10.2 Reproducibility	5
11 Test report	6
Annex A (normative) Testing of filtering discs.....	7
Annex B (normative) Preparation of standard discs of scorched particles.....	10
Bibliography	12

This is a preview of "ISO 5739:2003". [Click here to purchase the full version from the ANSI store.](#)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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 5739|IDF 107 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 edition of ISO 5739|IDF 107 cancels and replaces the first edition of ISO 5739:1983, which has been technically revised.

This is a preview of "ISO 5739:2003". [Click here to purchase the full version from the ANSI store.](#)

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.

ISO 5739|IDF 107 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.

All work was carried out by the Joint ISO/IDF/AOAC Action Team, *Physical properties of dried milk products*, of the Standing Committee on *Minor components and characterization of physical properties*, under the aegis of its project leader, Mr. J. de Vilder (BE).

This edition of ISO 5739|IDF 107 cancels and replaces the first edition of IDF 107A:1995, which has been technically revised.

This is a preview of "ISO 5739:2003". [Click here to purchase the full version from the ANSI store.](#)

Introduction

The method is derived from procedures developed by the United States Department of Agriculture (USDA) for the determination of scorched particles in dried milk.