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Message from the Director General

IDF's commitment to innovation in the dairy sector



For the first time "Whey Innovation 2009" is organized with the contribution of IDF.

Loyal to its commitment to contribute to all developments of interest to the dairy sector, IDF takes this initiative in a new area of activities to stimulate research and foster innovation and development of new product opportunities able to generate value to the milk ingredients.

IDF has ambitious goals to drive innovations in the milk and whey sector from a strong scientific base. The event will address the very latest research findings and developments related to innovations and regulatory developments.

As part of an ongoing effort to a long-term value-added strategy for dairy, IDF will continue to introduce and develop new partnerships that promise to deliver further benefits to the whole dairy community.

Contact: [Christian Robert](#), IDF Director General

More than **100** dairy laboratories from **40** countries are now recorded in the IDF Dairy Laboratories Database since its launch in January 2009.

Search it or Join now !

<http://www.idfdairylaboratories.org>

Success Stories

Trans fatty acids to be differentiated according to their source

Results of latest WHO Scientific Update on health consequences of trans fatty acids confirm IDF position

IDF is very pleased to see its scientific argumentation reflected in the outcome and conclusions of the WHO Scientific update on the health consequences of trans fatty acids (TFAs) as published in the European Journal of Clinical Nutrition, 2009 Volume 63.

In July 2007, IDF submitted to the FAO/WHO meeting a full set of scientific references and sound argumentation with its *IDF Review of the scientific literature pertaining to naturally occurring dairy trans fatty acids*.

Key conclusions of the WHO Scientific update on TFAs

- Evidence from observational studies, in which estimated TFA consumption from industrial and ruminant sources of TFA have been distinguished, and from studies in which specific TFA have been measured using biomarkers generally do not support an adverse effect of ruminant TFA (in contrast to industrial TFA) on risk of CHD.
- Ruminant TFA cannot be removed entirely from the diet, but their intake is already low in most populations and not significantly associated with CHD risk in several studies.
- The experts acknowledged the need to review the current recommendation that the mean population intake of TFA, that is, partially hydrogenated oils and fats, should be less than 1% of daily energy intake. There is sufficient epidemiological and experimental evidence to support revising this recommendation so that it encompasses the great majority of the population, and not just the population mean, to protect large subgroups from having high intakes.

Follow-up – the position of IDF in the current debate at Codex Alimentarius

There is on-going debate at the Codex Committee on Nutrition and Food for Special Dietary Uses (CCNF-SDU) and the Codex Committee on Food Labelling (CCFL) with regard to introduction of labelling requirements for TFA. IDF will continue to argue against a potential Codex TFA nutrition labelling requirement.

AFSSA advices that TFA from industrial and natural sources should be differentiated

AFSSA, the French Food Safety Authority, recently published its advice on intake estimates of trans fatty acids in the French population. They concluded that considering the total TFA intake, the origin of the TFA, natural or industrial should be taken into account. Concerning TFA of natural origin, consumption levels in the French population are lower than those levels that have been identified as not posing a risk of cardiovascular disease. TFA from industrial origin that are present in foods only have a technological function, thus AFSSA encourages efforts to reduce the use of these TFA in human foods as well as in animal feed in order to reduce the risk of exposure.

This advice is in line with IDF's long term strategy to highlight that naturally occurring trans fatty acids in milk are perfectly safe as part of a healthy diet.

The AFSSA report (in French) is available on <http://www.afssa.fr/Documents/NUT2007sao220.pdf>.

An English translation of the report prepared jointly by IDF, EDA and GDP has been made available on the IDF Intranet.

Contact: [Sandra Tuijelaars](#), IDF Nutrition Officer

IDF Programme of Work – Update on key projects

Environment

Life Cycle Analysis / Life Cycle Management and Carbon Footprint in the Dairy Sector

The IDF Action Team working on this item, under the leadership of Ms. Sophie Bertrand / FIL-IDF France and comprising 16 members from 13 IDF member countries, continues its work on development of a standard methodology with regard to Life Cycle Assessment and Carbon Footprint in the Dairy Sector. The work has a final target date of end of 2009 with a preliminary report to be presented at the **IDF World Dairy Summit 2009 in Berlin**: <http://www.wds2009.com>

The next milestone is a forthcoming “**IDF workshop on Life Cycle Analysis and Carbon Footprinting in the Dairy Sector**” to be held at the conference centre in the building of the IDF Head Office in **Brussels on 18 and 19 June 2009**. IDF has invited also the experts of the SAI Platform Dairy Group and other LCA experts who have been identified by the IDF Standing Committee on Environment, including experts from IDF partner organizations FAO and UNEP, as the two leading agencies of the United Nations involved in the field of food production and environmental protection, to provide input to the work of the IDF Action Team towards achieving the common approach for the global dairy sector.

Active participation in FAO work

In parallel to the IDF project, IDF is also actively participating at a guiding group of leading experts in the areas of LCA, environmental impact assessment and livestock farming systems supervising the on-going FAO project titled “**Green house gas emissions from animal food chains - Development of a quantification model using the Life Cycle Analysis approach**”. FAO has committed to developing a robust and user-friendly model and the associated database to estimate and compare GHG emissions in livestock production chains. Preliminary results indicate that land use and land use change, manure management and enteric fermentation are by far the largest contributors to greenhouse gas emissions. Furthermore both on- and off-farm emissions will be included. FAO will report on progress during the IDF World Dairy Summit Berlin 2009 conference on Sustainability and Environment.

Enhanced collaboration with ISO

The IDF Head Office has received official notifications from ISO confirming the successful application for formal status of IDF at the ISO Technical Committee 207 - Environmental Management (ISO TC 207) and its subgroups dealing with:

- Environmental labelling (Subcommittee 3)
- Environmental performance evaluation (Subcommittee 4)
- Life cycle assessment (Subcommittee 5)
- Greenhouse gas management and related activities (Subcommittee 7)

ISO members represented at each of these subgroups have voted in favour of adding IDF to the list of permanent observers who can provide input to the process of standard development in above areas.

The IDF Head Office is constantly up-dating a recently created the **IDF Intranet on-line library of LCA articles** containing leading scientific references in the field. The material is available from the IDF Intranet folder: *IDF Bodies / IDF Standing Committees / Environment / LCA Library*

For further information on the IDF workshop on Life Cycle Analysis and Carbon Footprinting in the Dairy Sector in Brussels on 18 and 19 June 2009, please contact: [Joerg Seifert](#), IDF Technical Director

Safety and Functionality of Dairy Microorganisms

Meeting of the New JAT in Brussels (BE), 17 March 2009

The new SCMMA JAT on 'Safety and Functionality of Dairy Microorganisms' has been formed as the result of the merge of the previous SCMMA JAT on Probiotics and the SCNH Action Team on Inventory of Microorganisms used in Dairy foods. Egon Bech Hansen (FR) and Monica Gerds (US) were elected as respectively Chair and Deputy Chair of the JAT. The JAT will actively work on safety aspects of dairy microorganisms and provide a forum to provide IDF opinions on functionality aspects.

Following the proposal of leading industry members, and subject to final confirmation by the IDF Board of Directors, a trust fund will be created to help progressing the work of the JAT.

The JAT reviewed the progress of ongoing IDF/ISO work items, i.e. to develop a method Based on Strain Identity, and the determination of the minimal inhibitory concentration (MIC) of antibiotics applicable to bifidobacteria and non-enterococcal lactic acid bacteria (LAB). In addition, the JAT agreed to initiate new work on the following subjects:

- the role of the dairy matrix in the functionality of probiotics
- an update of the IDF inventory of micro-organisms for safe use in dairy products
- discussion how to solve safety aspects other than history of safe use.
- development and publication of a paper providing guidelines on taxonomy.

The next meeting will be held in Berlin (DE) on Friday 25 September 2009, 9:00-13:00.

Contact: [Sandra Tuijelaars](#), IDF Nutrition Officer

Animal Health and Animal Welfare

*Meeting of the IDF Standing Committee on Animal Health at the headquarters of the **World Organisation of Animal Health (OIE)**, Paris, 25 -26 March 2009*

Using the occasion, OIE provided a series of presentations for discussion with IDF experts covering the following topics:

- International standards on animal health (including commodity trade) and activities of the food safety working group,
- Animal welfare,
- OIE Manual and the OIE register for diagnostic tests,
- OIE procedure of official disease status recognition,
- OIE mandate to collect and disseminate international animal disease/health information

The meeting noted with interest the measures recommended in the **OIE Terrestrial Code with regard to identified animal diseases and trade related to milk**. Handouts of all OIE presentations are available from the IDF Intranet in the following document folder: *IDF Bodies / IDF Standing Committees / Animal health / 2009 SCAH / SCAH Meeting 25-26 March 2009 Paris FR*

Preparations for the **IDF 5th International Mastitis Conference 2010, 21-24 March 2010 at Christchurch/ NZ** are progressing according to plan. Details about the conference are available from the events website: <http://www.idfmastitis2010.com>.

The latest findings of a small IDF expert team dealing with **Antimicrobial Resistance in Mastitis Pathogens** indicate that there is no new information in terms of increasing antimicrobial resistance in mastitis pathogens for some time. An IDF report confirming this positive development for the dairy industry will be published later in 2009.

The committee endorsed the draft publication on **Interpretation of Mastitis Terminology (Revision of IDF Bulletin No. 338/1999)** to move forward for endorsement by IDF National Committees in due course.

The SCAH will continue its **on-going activities** including:

- Management of an outbreak of **Foot and Mouth Disease**
- Monitoring of developments with regard to Bovine Spongiform Encephalopathy (**BSE**)
- Progress in surveillance and control of **Johne's disease/Paratuberculosis**
- Monitoring **production diseases**
- Veterinary expert input to position IDF at Codex Task Force on **Antimicrobial Resistance**
- **IDF Animal Health Newsletter** - next edition planned at IDF WDS 2009 Berlin
- Establishment of animal health and animal welfare conference programmes at **IDF events**
- **Scientific-technical support to the work of OIE** in identified areas

New work under consideration at SCAH for forthcoming approval by IDF members:

- Worldwide use of **somatic cell count**
- **Mastitis indicators in animal welfare**
- **Animal Welfare** (IDF expert group currently being established)
- Emergence of **Rift Valley Fever**

Next meetings

Berlin (Germany) on 21 September 2009 and thereafter in conjunction with IDF Mastitis conference in Christchurch (NZ), 21-24 March 2010

Contact: [Joerg Seifert](#), IDF Technical Director

Dairy Science and Technology

The 4th IDF Dairy Science and Technology Week, Rennes, France, 20-24 April 2009

Around 200 participants, half from academia, half from private industry, from 30 countries around the world, attended the 2,5 days conference part presenting the status of dairy research. The 4 sessions (advances in milk basic knowledge, process structures and functionalities, in situ expression of dairy ecosystems, and an open session elaborated on a selection of submitted papers) comprised 43 presentations on the state of art in dairy science and technology. The proceedings of the presentations will be submitted for publication to the journal "Dairy Science and Technology".

IDF Standing Committee on Dairy Science and Technology (SCDST)

The Standing Committee will continue its strong support and involvement with the development of top-class programmes for **forthcoming IDF events**, including:

- **IDF World Dairy Summit Berlin (DE), 20-24 September 2009:** <http://www.wds2009.com>
- IDF Symposia on Science and Technology of **Fermented Milk and Microstructure of Dairy Products / IDF Dairy Science and Technology Week 2010**, 07-11 June 2010, Tromsø, Norway: <http://www.idf-mic2010.no/page?id=1840>
- **IDF World Dairy Summit Auckland (NZ), 4-11 November 2010** – dairy science and technology conference : <http://www.wds2010.com/>
- **IDF International Symposium on Sheep and Goats Milk - Science, Technology, Production and Nutrition**, Athens (GR), 16-18 May 2011 : <http://idfsheepgoatmilk2011.aua.gr/> - the event will be embedded in an IDF Dairy Science and Technology Week 2011
- **IDF International Symposium on Cheese Ripening and Technology / IDF Dairy Science and Technology Week 2012**, Madison, Wisconsin (USA), 20-24 May 2012.

SCDST agreed that it would start to work also on reports on specific issues of current concern and interest, which will comprise the organization of **webinars**. A list of potential topics aiming at the establishment of IDF positions on dairy science and technology issues in the format of fact sheets is being prepared.

The topic of “**Impact and technology level of modification of lipid composition in dairy products**” was proposed as a possible subject for a first webinar.

New work under consideration by SCDST:

- IDF International Symposium on **Recombination** in 2010 or 2011
- IDF Symposium on **Non-thermal processes**
- IDF event related to **whey/permeate topic from a milk ingredients perspective**

Next meetings

SCDST will meet next in Berlin/Germany on 21 September 2009 and thereafter in Tromsø, (NO) on 6 June 2010.



Participants to the 4th IDF Dairy Science and Technology Week.



Jean-François Boudier, President of FIL France ALF and Daniel Delaveau, Mayor of the city of Rennes, FR.

Contact: [Aurélie Dubois](#), IDF Standards Officer or [Joerg Seifert](#), IDF Technical Director

New Work item proposal: Guidelines for determination of melamine and cyanuric acid in fluid milk and powdered milk products for publication in the bulletin of IDF

The experts group working on a method for the determination of melamine and cyanuric acid in milk products agreed to propose to provide guidelines outlining the performance criteria and different possible method as a first step and guidance to the dairy sector.

Therefore a New Work Item was circulated to IDF National committees with the purpose to publish Guidelines for determination of melamine and cyanuric acid in fluid milk and powdered milk products in the bulletin of IDF. The deadline for voting is 20 May. The priority project has already started and will be further discussed at the IDF/ISO Analytical Week, based on comments received from the IDF National Committees.

Such guidelines would include:

- Performance criteria for sample preparation
- Performance criteria for detection (LC-MS/MS methods)
- Examples

This proposal is a direct reply to the need of guidance on the subject and provides flexibility for the users according to the available techniques.

Contact: [Aurélie Dubois](#), IDF Standards Officer or [Paul Sauvé](#), Chair of the MSSG

Cooperation with National Committees

IDF National Secretaries approved ways of strengthening relationship within National Committees and IDF

On March 24, 2009, National Secretaries met in Brussels following the IDF Extraordinary General Assembly to discuss innovative approaches to strengthen working relationship within the IDF Structure with National Committees; including experts, IDF Board and IDF staff.

The approved action is three-fold, focusing on:

- Communication,
- Mentoring of new Members,
- Strategic Focus for IDF.

To better reach media and research institutes, NC Secretaries will:

- Use Network of Communication Specialists to cooperate with IDF in the development key messages on issues,
- Use NC Communication Specialists attending IDF World Dairy Summits to work together in publishing articles to be used by IDF and members,
- Distribute at large key IDF messages and press releases in their country (not only to members),
- Make available IDF documents translated in different languages by member countries; starting with Spanish and French,
- Update annually the country list of distribution from IDF Database and identify key contacts on issues.

New member countries will benefit from the help and expertise of other members by...

- Being “paired” with a National Secretary to help developing and establish a proper NC structure and work during the first years,
- A “**Training Section**” created for NC Secretaries on the IDF Intranet.

Finally, NC Secretaries will also serve as “Process Leaders” to:

- Report annually on key issues facing the industry and IDF,
- Provide advice to IDF Board and IDF HO on strategic priorities,
- Conduct specific projects established/required by the Board or the IDF HO,
- Speed up (shorten) replies turnaround time on IDF New Work Items and Questionnaires.

The success of this initiative will be measured by an improved and cohesive working relationship between National Committee (NC) Secretaries, IDF office (staff) and the Board of Directors. It should also make the work IDF more visible in member countries worldwide, while aiding the establishment of stronger new National Committees.

Contact: [Pierre Doyle](#), Executive Director, FIL-IDF Canada

Liaison with International Organizations

Codex Committee on Food Additives (CCFA) – Shanghai, China, 14-20 March 2009

Codex General Standard for Food Additives (GSFA)

A number of food additives provisions will be forwarded to the Commission for adoption at step 5/8. Some food additives provisions will be discontinued, and many food additives provisions remains to be considered by the CCFA. IDF will send a questionnaire to IDF National Committees requesting information on the use of these food additives in the dairy products. Technological justification will be needed for inclusion in the GSFA.

In order to avoid any inconsistencies the food additives provisions included in the Codex standards on dairy fat spreads, fat spreads and blended spreads have been endorsed for the category 02.2.2. Due to the high number of food additives provisions still to be considered by the CCFA, comments are requested advice how to handle the future work on the GSFA.

Proposed draft Revision of the Food Category System of the GSFA

The CCFA agreed to change the description of the category 1.2.1.1 “Fermented Milk (plain), heat treated after fermentation”, to exclude the sweetened products from this category in order to have consistency of the use of the term “plain” similar to the Codex Standard for Fermented Milk.

The CCFA agreed to keep category 16.0 – Composite Foods, for further discussion. Member states and observers will be requested to provide comments and examples. IDF will consult its membership to determine whether the category 16-Composite Foods is necessary for dairy products.

Proposed Draft Guidelines and principles for substances used as processing aids

The CCFA noted that many comments were submitted and still several issues remained, such as the title and scope of the document and a clear explanation of the purpose and function of the IPA. Therefore the document has been returned to step 2 and will be considered by an electronic working group. IDF will participate.

Discussion paper on identification of problems and recommendations related to inconsistent presentation of food additives provisions in GSFA and codex standards

Due to lack of time, this paper was not discussed as it had been submitted just prior to the meeting. The CCFA agreed to create an electronic Working Group led by Switzerland to revise and provide comments to the proposed discussion paper. IDF will volunteer to be a part of the Working Group. The IDF AT on comparison and technical accuracy will need to finalize its work in order to have it available for use by the Working Group.

Date and Place of Next Session

The tentative dates for the next CCFA meeting are 15-19 March 2010 in China.



IDF delegation: Meiyun Yu, Aurélie Dubois, Allen Sayler



Chinese Ministry of Health, Dr Chen Zhu and chair of the CCFA, Dr Chen Junshi

Contact: [Allen Sayler](#) (SCFA Deputy Chair) or [Aurélie Dubois](#), IDF Standards Officer

3rd Session of the Codex Committee on Contaminants in Foods - Rotterdam, The Netherlands, 23-27 March 2009

Revision of the preamble of the Codex General Standard for Contaminants and Toxins in Food (GSCTF)

The CCCF agreed

- To extract the procedural provisions from the preamble to GSCTF to include them in the procedural manual, with some amendments;
- To delete the annex II from the Procedural Manual;
- To discontinue the work within CCCF on food categorisation and provide instead a clear description of food/feed for which the Maximum Levels (ML) apply within the standard itself, to ensure that there be no ambiguity as regards the scope of the standards.

The CCCF also agreed to align the language of the Preamble with the language contained in the procedural manual.

Further steps are to present the text in accelerated procedure for adoption at step 5-8 by the Commission.

Proposals for new work on “Draft Maximum Levels (ML) for Melamine in Food And Feeds”

The Melamine issue was introduced under discussion of the Matters of Interest Arising from FAO and WHO. Based on the outcome of a joint expert meeting held on 1-4 December 2008 in Ottawa (Canada), an in session working group drafted a Proposal for new work on “Draft maximum levels for Melamine in food and feed”. This draft aims at establishing ML’s for melamine resulting from non-intentional and unavoidable presence from different sources.

The CCCF agreed to forward the draft ML’s (as established by the FAO/ WHO expert meeting) in a proposal for new work to the commission for adoption in July 2009 to finalise the maximum levels at its next session and to forward them to the Commission for final adoption at Step 5/8 in 2010.

Contact: [Aurélie Dubois](#), IDF Standards Officer

ILSI Europe Annual Symposium: Science for Health – Assessing and Communicating Risks and Benefits

Brussels (BE), 26-27 March 2009

The symposium was attended by approximately 100 people from the food industry, governmental institutes and academia. Presentations addressed risk-benefit characterization, measuring and ranking of risks and benefits, risk-benefit assessment, and outlooks for the future. Important European speakers, e.g. from EFSA, UK Food Safety Agency (FSA), and the Food Safety Authority of Ireland, presented their views on these topics.

The following issues were highlighted that were considered very important for industry and the food sector:

- Globalization of the market both in terms of food trade and in terms of communication;
- Emergence of new technologies in food e.g. cloned animals, GM, nanotechnology;
- Risk managers should better understand how consumers see risk;
- Ensuring the use of the most appropriate methods regarding consumer information.

In addition, speakers identified as main challenges for the food sector the sustainability of the food chain in light of the growing world population, and the increasing expectations of the consumers and their request for an unobtainable level of protection against unknown “risks”. This while at the same time there is a decreasing public trust in science and technology, a growing level of public distrust towards regulators/policy makers, and the public demanding continuous and open access of information.

The IDF Observers report of the symposium is available on the IDF Intranet.

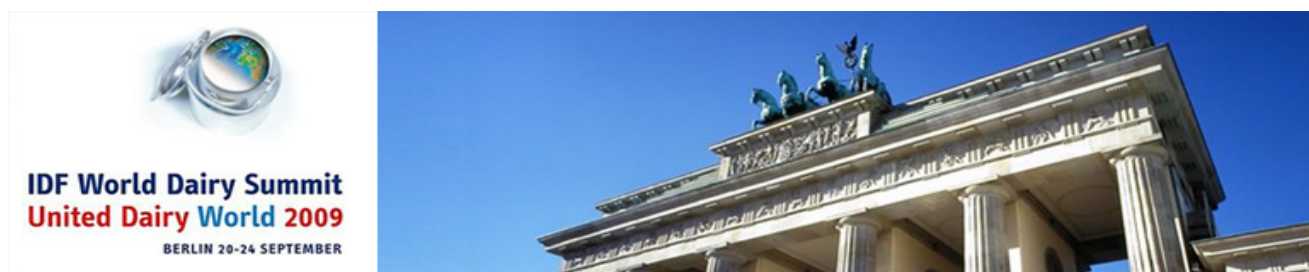
Contact: [Sandra Tuijtelaars](#), IDF Nutrition Officer

IDF Events

IDF World Dairy Summit

20-24 September 2009, Maritim Hotel, Berlin, Germany

An opportunity not to be missed!



This year's IDF World Dairy Summit will once again tackle issues that are 'top-of-mind' for the industry.

Leading scientific and industry experts will address current economic and political challenges facing the global dairy sector. The objective is to improve the overall performance of the industry and to strengthen its ability to meet new challenges.

Main topics include:

- The German dairy market and the situation in the world dairy market
- Price fluctuations and the effects of inflation on the world dairy market
- The German dairy industry in the European context
- Structural changes in the German milk industry
- Risk management and
- The end of quotas

View our panel of speakers and abstracts of their papers at <http://www.wds2009.com>. In addition to the oral presentations, poster presentations will take place in the conference rooms.

Other main topics of the IDF World Dairy Summit will focus on food safety, nutrition, sustainability, analytical area, animal health, animal breeding and animal feeding.

We advise you to make your travel and hotel arrangements as soon as possible, as September is a busy period in Berlin.

For more information and to download registration forms, visit <http://www.wds2009.com>.

Don't miss this international gathering, register today!

Contact: [Ines Coldewey](#), IDF National Committee of Germany

IDF Publications

Bulletins of the month

Bulletin of the IDF No. 433/2009 - A Revolution in Food Safety Management

Opportunities in food safety management including Food Safety Objectives (FSOs), Performance Objectives (POs), and Performance Criteria (PCs), and a further developed HACCP-based approach to implement the new metrics in the HACCP context of individual food businesses are presented in these Symposium proceedings. New approaches, based on controlling risks, enable the establishment and communication of quantitative limits for hazards along the food chain that is directly linked to the risk for the consumer. They also pave the way for predictive modeling to demonstrate hazard control.

Pages: 108 - Price: 70,00 Euro - Date: 2009

Bulletin of the IDF No. 434/2009 - Gas-Liquid Chromatographic Method for the Determination of Milk Fat Purity in Milk and Milk Products by Analysis of Triglycerides - Draft international standard ISO 17678|IDF 202

A new draft International standard for the determination of Milk Fat Purity in Milk and Milk Products by Analysis of Triglycerides by liquid gas chromatography has been produced by IDF and ISO (ISO 17678|IDF 202).

This issue of the Bulletin of the IDF presents the results of international collaborative studies organized to validate this method.

The main emphasis of this new IDF publication is on a detailed report on the performance of the method and statistical evaluation of the full international collaborative study. It also gives a short summary on the verification of global applicability, the specified scope of application and the analytical advances of the triglyceride (TG) method to determine milk fat purity.

Pages: 19 - Price: 18,00 Euro - Date: 2009

Bulletin of the IDF No. 435/2009 - Standardization of a Chemiluminescent Method to Detect Alkaline Phosphatase in Liquid Dairy Products

Alkaline phosphatase (ALP) is a heat sensitive enzyme present in raw milk that is destroyed by conventional pasteurization temperatures and hold times. The methods to determine phosphatase in products have been improved over the past 40 years and have trended toward easier, more simple and sensitive techniques. Instrument based detection instead of colorimetric detection has led to changes in public health safety levels and adoption of more sensitive mU/L instrument based enzyme units. There has been much activity in method simplification and validating those methods at lower sensitivities and in multiple species milk based products. This publication summarizes that work and in particular details the ISO-IDF standardization of the Chemiluminescent Enzyme Photo-activated Substrate method ISO 22160|IDF 209.

Pages: 14 - Price: 14,00 Euro - Date: 2009

Joint IDF-ISO Standards

ISO 22935-1|IDF 099-1:2009 - Milk and milk products - Sensory analysis - Part 1: General guidance for the recruitment, selection, training and monitoring of assessors

This standard gives general guidance for the recruitment, selection, training, and monitoring of assessors for sensory analysis of milk and milk products.

It specifies criteria for the selection, and procedures for the training and monitoring, of selected assessors and expert sensory assessors for milk and milk products. It supplements the information given in ISO 8586-1 and parts of ISO 8586-2 that deal with expert sensory assessors.

Pages: 19 - Price: 64,91 Euro - Date: 2009.

ISO 22935-2|IDF 099-2:2009 - Milk and milk products - Sensory analysis - Part 2: Recommended methods for sensory evaluation

This standard specifies recommended methods for the sensory evaluation of specific milk and milk products. It specifies criteria for the sampling and preparation of samples and the assessment of the samples.

It is suitable for application in conjunction with the sensory methodologies outlined in ISO 22935-1|IDF 99-1 and other ISO or IDF sensory methodologies for specific situations and products.

Pages: 23 - Price: 70,21 Euro - Date: 2009.

ISO 22935-3|IDF 099-3:2009 - Milk and milk products - Sensory analysis - Part 3: Guidance on a method for evaluation of compliance with product specifications for sensory properties by scoring

This standard gives guidance on a general method for evaluation of compliance with product specifications for sensory properties based on sensory scoring and the use of a common nomenclature of terms.

The method is especially applicable in process and quality control performed regularly on a larger number of samples and/or with some time pressure and/or with a limited number of expert assessors available.

The results from the method may be part of product classification systems for domestic and international trade. Classification systems are not covered by this standard.

Pages: 7 - Price: 38,42 Euro - Date: 2009.

ISO 5764|IDF 108:2009 - Milk - Determination of freezing point - Thermistor cryoscope method (Reference method)

This standard has been technically revised and is available in English and French

This standard specifies a reference method for the determination of the freezing point of raw bovine milk, heat-treated whole, reduced fat and skimmed bovine milk, as well as raw sheep and goat milk, by using a thermistor cryoscope.

The freezing point can be used to estimate the proportion of extraneous water in milk. Calculation of the amount of extraneous water is subject to daily and seasonal variations, and is not within the scope of this standard.

Results obtained from samples with a titratable acidity exceeding 20 ml of 0,1 mol/l sodium hydroxide solution per 10 g of non-fat solids are not representative of the original milk.

Pages: 17 - Price: 60,93 Euro - Date: 2009.

Contact: [Oscar Chavez](#), IDF Office Manager



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The International Dairy Federation is the pre-eminent source of scientific and technical expertise for all stakeholders in the dairy chain. Membership covers 56 countries and is growing; IDF accounts for about 85% of the world's total milk production. IDF aims to identify and disseminate best practice at the international level, in order to guide and harmonise members' work on issues including climate change, nutrition and food hygiene at the national level.

The scientific expertise for the dairy sector worldwide