

# codex alimentarius commission



FOOD AND AGRICULTURE  
ORGANIZATION  
OF THE UNITED NATIONS

WORLD  
HEALTH  
ORGANIZATION



JOINT OFFICE: Viale delle Terme di Caracalla 00153 ROME Tel: 39 06 57051 www.codexalimentarius.net Email: codex@fao.org Facsimile: 39 06 5705 4593

Agenda Item 9a

CX/PFV 10/25/11  
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## JOINT FAO/WHO FOOD STANDARDS PROGRAMME CODEX COMMITTEE ON PROCESSED FRUITS AND VEGETABLES

25<sup>th</sup> Session  
Bali, Indonesia,  
25 – 29 October 2010

### MATTERS RELATING TO SELECTED CODEX STANDARDS FOR PROCESSED FRUITS AND VEGETABLES

Codex Members and Observers wishing to submit comments on the questions put forward in this document, should do so in writing, preferably by e-mail, before **30 September 2010**. Comments should be addressed:

to:

US Codex Office,  
Food Safety and Inspection Service,  
US Department of Agriculture,  
Room 4861 South Building,  
1400 Independence Ave., S.W.,  
Washington, D.C. 20250-3700  
USA  
Fax : +1.202.720.3157;  
E-mail : [uscodex@fsis.usda.gov](mailto:uscodex@fsis.usda.gov) - *preferred* -

with copy to:

Secretariat,  
Codex Alimentarius Commission,  
Joint FAO/WHO Food Standards Programme,  
Viale delle Terme di Caracalla,  
00153 Rome,  
Italy  
Fax : +39 (06) 5705 4593  
E-mail : [codex@fao.org](mailto:codex@fao.org) - *preferred* -

The following matters are brought to the attention of the Committee for consideration at its 25<sup>th</sup> Session:

#### PACKING MEDIA PROVISIONS IN THE STANDARD FOR PICKLED FRUITS AND VEGETABLES

The *Standard for Pickled Fruits and Vegetables (CODEX STAN 260-2007)*<sup>1</sup> was adopted by the 30<sup>th</sup> Session of the Codex Alimentarius Commission (July 2007)<sup>2</sup> as proposed by the 23<sup>rd</sup> Session of the Committee on Processed Fruits and Vegetables (October 2006)<sup>3</sup>.

At the time of the adoption of the Standard, there was still an understanding that provisions for packing media for canned vegetables would be developed separately, therefore the Committee agreed to refer to the “*Codex Guidelines for Packing Media for Canned Vegetables (under development)*” in the packing media section pending finalization of the Guidelines. In addition, provisions for packing media for pickled fruits should conform to the *Guidelines for Packing Media for Canned Fruits (CAC/GL 51-2003)*.

In finalizing the Standard for Certain Canned Vegetables, the 24<sup>th</sup> Session of the Committee on Processed Fruits and Vegetables (October 2008) agreed to discontinue work on the Guidelines for Packing Media for Canned Vegetables while incorporating provisions for packing media in the body of the *Standard for Certain Canned Vegetables*<sup>4</sup>. The 32<sup>nd</sup> Session of the Commission (July 2009) concurred with this decision<sup>5</sup>.

<sup>1</sup> Codex standards and related texts can be downloaded from: <http://www.codexalimentarius.net> by clicking on “Official Standards” and subsequently on “Official Codex Standards”.

<sup>2</sup> ALINORM 07/30/REP, App. IV.

<sup>3</sup> ALINORM 07/30/23, para. 38.

<sup>4</sup> ALINORM 09/32/27, para. 77.

<sup>5</sup> ALINORM 09/32/REP, para. 55.

The Committee is invited to consider whether specific provisions for packing media related to pickled vegetables should be developed for the *Standard for Pickled Fruits and Vegetables*.

Examples on provisions for packing media for related products can be taken from the *Standard for Certain Canned Vegetables (CODEX STAN 197-2009)* and the *Standard for Pickled Cucumber (CODEX STAN 115-1981)*.

#### METHODS OF ANALYSIS AND SAMPLING IN REVISED CODEX STANDARDS FOR PROCESSED FRUITS AND VEGETABLES

The Committee on Processed Fruits and Vegetables agreed that methods of analysis, including Codex recommended methods (CAC/RMs) would be inserted into the relevant standards under consideration<sup>6</sup>.

Following this decision, the revised standards adopted in 2007 (*preserved tomatoes, processed tomato concentrates, certain canned citrus fruits and pickled fruits and vegetables*) and 2009 (*jams, jellies and marmalades and certain canned vegetables*) list the methods of analysis relevant to the commodity or commodities covered by the standards.

The other revised standards adopted in 2001 and 2003 refer to Codex Alimentarius Volume 13. This and all volumes of the Codex Alimentarius (i.e. Volumes 1 to 14) have been discontinued for publication. In order to keep consistency with the approach taken in the revised standards for processed fruits and vegetables, the following methods of analysis and Codex recommended methods as endorsed by the Committee on Methods of Analysis and Sampling are for insertion in the following standards revised by the Committee:

#### Standard for Kimchi (CODEX STAN 223-2001)<sup>7</sup>

| PROVISION              | METHOD                                | PRINCIPLE  | Type |
|------------------------|---------------------------------------|--|------|
| Drained weight         | AOAC 968.30                           | Gravimetry   | I    |
| Mineral impurities     | AOAC 971.33                           | Ashing   | I    |
| Salt (sodium chloride) | AOAC 971.27<br>(Codex general method) | Potentiometry<br>(Determination of chloride, expressed as sodium chloride) | II   |
| Total acidity          | AOAC 942.15                           | Titrimetry   | I    |

#### Standard for Aqueous Coconut Products: Coconut Milk and Coconut Cream (CODEX STAN 240-2003)<sup>8</sup>

| PROVISION      | METHOD   | PRINCIPLE  | Type |
|----------------|--|--|------|
| Total Fats     | ISO 1211:1999<br>IDF 1D: 1996  | Gravimetry<br>(Röse-Gottlieb)                            | I    |
| Total solids   | ISO 6731:1989<br>IDF 21B: 1987   | Gravimetry   | I    |
| Non-fat solids | ISO 1211:1999<br>IDF 1D: 1996<br>and<br>ISO 6731:1989<br>IDF 21B: 1987 | Calculation:<br>Gravimetry (Röse-Gottlieb)<br>Gravimetry | I    |
| Moisture       | ISO 6731:1989<br>IDF 21B: 1987   | Calculation:<br>Gravimetry                               | I    |

Codex Members and Observers are invited to determine whether CAC/RM 46-1972 (fill of containers) should be included for provisions for minimum fill.

<sup>6</sup> ALINORM 03/27, para. 100, ALINORM 05/28/27, para. 101.

<sup>7</sup> ALINORM 99/23, App. III, Part I.B.

<sup>8</sup> ALINORM 09/32/23, App. IV.B.

**Standard for Canned Stone Fruits (CODEX STAN 242-2003)<sup>9</sup>**

| PROVISION      | METHOD   | PRINCIPLE     | Type |
|----------------|--|---------------|------|
| Drained weight | AOAC 968.30<br>ISO:2173:1978<br>(General method for processed fruits and vegetables) | Gravimetry    | I    |
| Soluble solids | AOAC 932.14C<br>(General method for processed fruits and vegetables)                 | Refractometry | I    |

**Standards for Canned Applesauce (CODEX STAN 17-1981) and Canned Pears (CODEX STAN 61-1981)**

There are no methods of analysis identified for applesauce and canned pears. Codex Members and Observers are invited to propose methods of analysis for this product as appropriate taking into account the information provided in the paragraph below.

Methods of analysis available for processed fruits and vegetables in general and specific commodities falling within this category can be found in CODEX STAN 234-1999. In addition, the Annex to this document provides for those general methods of analysis for processed fruits and vegetables endorsed by CCMAS which are complementary to CODEX STAN 234-1999. The standards adopted between 2007 and 2009 also list methods of analysis that could eventually be used as a source of information for the identification of methods of analysis appropriate to applesauce and canned pears. Codex Members and Observers are invited to consult these documents when proposing methods of analysis for these applesauce and canned pears. New methods proposed which are not listed in CODEX STAN 234-199 or in any of the documents mentioned in this paragraph should be endorsed by CCMAS.

Proposals for additional methods should be done bearing in mind the correspondence between the method and the relevant provision(s) in the standard. Further guidance on selection of methods of analysis for commodity standards can be found in the *Principles for the Establishment of Codex Methods of Analysis (Section II, Procedural Manual<sup>10</sup> of the Codex Alimentarius Commission)*.

<sup>9</sup> ALINORM 03/23, App. VI.H.

<sup>10</sup> The Procedural Manual is available on the Codex website at: <http://www.codexalimentarius.net/> by clicking on « About Codex », « Procedural Manual ».

**ANNEX**

Methods of analysis for processed fruits and vegetables as endorsed by CCMAS.<sup>11</sup>  
 This Annex should be read in conjunction with CODEX STAN 234-1999.

| <b>COMMODITY</b>                | <b>PROVISION</b> | <b>METHOD</b>                      | <b>PRINCIPLE</b>                 | <b>TYPE</b> | <b>STATUS</b> |
|---------------------------------|------------------|------------------------------------|----------------------------------|-------------|---------------|
| Processed fruits and vegetables | Sodium chloride  | ISO 3634:1979                      | Potentiometry                    | III         | E             |
| Processed fruits and vegetables | Sulphites        | EN 1988-1 : 1998-02<br>AOAC 990.28 | Optimized Monier-Williams method | III         | E             |

<sup>11</sup> ALINORM 03/23, App. VI.H, ALINORM 05/28/23, App. III, Part I.B.