



**Food and Agriculture
Organization of
the United Nations**



**World Health
Organization**

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Agenda Item 8

CX/FA 12/44/15

September 2011

JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON FOOD ADDITIVES

Forty-fourth Session

Hangzhou, China, 12-16 March 2012

SPECIFICATIONS FOR THE IDENTITY AND PURITY OF FOOD ADDITIVES ARISING FROM THE 74TH JECFA MEETING

Governments and international organizations in Observer status with the Codex Alimentarius Commission wishing to submit comments on the following subject matter are invited to do so **no later than 31 January 2012** as follows: Secretariat, Codex Committee on Food Additives, National Institute of Nutrition and Food Safety, China CDC, 7 Panjiayuan Nanli, Chaoyang District, Beijing 100021, China (Telefax: + 86 10 67711813, E-mail: secretariat@ccfa.cc *preferably*), with a copy to the Secretary, Codex Alimentarius Commission, Joint FAO/WHO Food Standards Programme, Viale delle Terme di Caracalla, 00153 Rome, Italy (Telefax: +39 06 5705 4593; E-mail: Codex@fao.org - *preferably*).

BACKGROUND

1. Specifications for 32 food additives were discussed and prepared or reviewed at the 74th JECFA meeting (Rome, Italy, June 2011) and the resulting monographs are available (in English only) on JECFA Online Edition of: "Combined Compendium of Food Additive Specifications" <http://www.fao.org/ag/agn/jecfa-additives/search.html?lang=en> Monographs resulting from the 74th JECFA meeting will be published as FAO JECFA Monographs 11, FAO, Rome, 2011. The publication will be available to download as pdf-document at the FAO JECFA website at: http://www.fao.org/ag/agn/agns/jecfa_output_en.asp.
2. In addition, some revisions to correct certain food additive specifications were made by the JECFA Secretariat.
3. These specifications cover:

Food Additives

New:	4
Revised:	17
Maintained	2
Revised – not republished	9
Full:	25
Tentative:	7
Withdrawn:	1

4. The Committee is being asked to review these specifications, in particular those designated as "Full", with a view to recommending their adoption by the Commission as Codex Specifications, taking into account comments received.
5. The 25 food additives given full (new and revised) specifications at the 74th JECFA meeting or revised without being republished are listed in the Annex with explanations. Separate lists of the food additives for which specifications were designated as tentative or withdrawn are also provided in the Annex. In the specifications monographs that have been assigned a tentative status (T), there is information on the outstanding information to be submitted to the JECFA Secretariat. The CCFA is invited to note these requests for information and data.

6. The specifications monographs for Polydimethylsiloxane (INS 900a) and Sunset Yellow FCF (INS 110) were maintained at the 74th JECFA meeting but include new information on the ADI established at the 74th JECFA, and these specifications will be republished in their entirety in FAO JECFA Monographs 11, 2011.

7. As a result of the revised PTWI of 2 mg/kg for aluminium established at this meeting, all existing specifications monographs for aluminium containing food additives have been revised to include this information. These are as follows: Aluminium ammonium sulfate (INS 523); Aluminium lakes of colouring matters; Aluminium potassium sulfate (INS 522); Aluminium powder (INS 173); Aluminium silicate (INS 559); Aluminium sulfate, anhydrous (INS 520); Calcium aluminium silicate (INS 556); Sodium aluminium phosphate, acidic (INS 541(i)); and Sodium aluminium phosphate, basic (INS 541(ii)). In addition, minor editorial revisions have been made to these specifications. All these revisions have been introduced in the corresponding JECFA food additives monographs in the on-line database and are not republished in FAO JECFA Monographs 11, 2011.

8. At the 74th JECFA meeting, the method in Volume 4 of the Combined Compendium of Food Additive specifications was modified and made tentative, pending information on the wavelength of maximum absorbance, absorptivity and/or specific absorbance (including information on the solvent used) for the 17 synthetic colours for which the specifications monograph indicates that the colour is used to form a lake. Currently available data are included in the draft table attached to the revised method (available for downloading from the main page in the on-line edition of Volume 4 at: <http://www.fao.org/docrep/009/a0691e/a0691e00.htm>).

The objective is to provide single values for each synthetic colour, thus recommendations to allow for the establishment of consensus values would be welcomed.

9. A corrigendum has been introduced in the specifications monograph for sucrose esters of fatty acids (INS 473) in FAO JECFA Monographs 10, 2010. In the method of assay, the last line is amended to read: T is the sum of all peak areas eluting within 43 min. The CCFA is invited to note this corrigendum.

SPECIFICATIONS AND ACTIONS RESULTING FROM THE 74TH JECFA MEETING

FOOD ADDITIVES

SPECIFICATIONS DESIGNATED AS FULL (FAO JECFA Monographs 11, Rome, 2011):¹

- Caramel colours (R) (INS 150a, 150b, 150c, 150d)
- β-apo-8'-Carotenal (R) (INS 160e)
- β-apo-8'-Carotenoic acid ethyl ester (R) (INS 160f)
- β-Carotene, synthetic (R) (INS 160a (i))
- Hydroxypropylmethyl cellulose (R) (INS 464)
- Magnesium silicate, synthetic (R) (INS 553(i))
- Modified starches (R) (INS 1400, 1401, 1402, 1403, 1404, 1405, 1410, 1412, 11413, 1414, 1420, 1422, 1440, 1442, 1450, 1451)
- Nitrous oxide (R) (INS 942)
- Octenyl succinic acid modified gum arabic (R) (INS 423)
- Ponceau 4R (R) (INS 124)
- Pullulan (R) (INS 1204)
- Pullulanase from *Bacillus deramificans* expressed in *Bacillus licheniformis* (N)
- Sodium carboxymethyl cellulose (R) (INS 446)
- Sucrose monoesters of lauric, palmitic or stearic acid (R)

SPECIFICATIONS DESIGNATED AS TENTATIVE (FAO JECFA Monographs 11, Rome, 2011):¹

- Benzoe tonkinensis (N, T)
- Glycerol ester of gum rosin (R, T) (INS 445(i))
- Glycerol ester of tall oil rosin (R, T) (INS 445(ii))
- Glycerol ester of wood rosin (R, T) (INS 445(iii))
- Potassium aluminium silicate (N, T)
- Potassium aluminium silicate-based pearlescent pigments (N, T)
- Quinoline Yellow (R, T) (INS 104)

SPECIFICATIONS WITHDRAWN:

- Potassium bromate (INS 924a)

As bromates are genotoxic carcinogens, JECFA reiterated the general principle that bromates should not be present in food as consumed.

¹ (N) new specifications; (R) revised specifications; (T) tentative specifications;

SPECIFICATIONS REVISED (FULL) WITHOUT BEING REPUBLISHED (available in the electronic version of the specifications at the FAO JECFA website):

Aluminium ammonium sulfate (INS 523)

Aluminium lakes of colouring matters

Aluminium potassium sulfate (INS 522)

Aluminium powder (INS 173)

Aluminium silicate (INS 559)

Aluminium sulfate, anhydrous (INS 520)

Calcium aluminium silicate (INS 556)

Sodium aluminium phosphate, acidic (INS 541(i))

Sodium aluminium phosphate, basic (INS 541(ii))

SPECIFICATIONS CORRECTED (FULL) WITHOUT BEING REPUBLISHED (available in the electronic version of the specifications at the FAO JECFA website):

Sucrose esters of fatty acids (INS 473)