



Agenda Item 3(b)

CX/FA 16/48/4
November 2015

JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEx COMMITTEE ON FOOD ADDITIVES

Forty-Eighth Session

Xi'an, China, 14-18 March 2016

PROPOSED DRAFT SPECIFICATIONS FOR THE IDENTITY AND PURITY OF FOOD ADDITIVES ARISING FROM THE 80TH JECFA MEETING

Governments and international organizations in Observer status with the Codex Alimentarius Commission wishing to submit comments at Step 3 on the **draft proposed draft Specifications for the Identity and Purity of Food Additives arising from the 80th JECFA Meeting** (Annex 1, part a) are invited to do so no later than **31 January 2016** as follows: Secretariat, Codex Committee on Food Additives, China National Center for Food Safety Risk Assessment (CFSA), Building 2, No. 37 Guangqu Road, Chaoyang District, Beijing 100022, China, (E-mail: cfa@cfsa.net.cn), with a copy to the Secretary, Codex Alimentarius Commission, Joint FAO/WHO Food Standards Programme, Viale delle Terme di Caracalla, 00153 Rome, Italy (E-mail: Codex@fao.org).

Format for submitting comments: In order to facilitate the compilation of comments and prepare a more useful comments document, Members and Observers are requested to provide their comments in word file.

BACKGROUND

1. Specifications for 6 new and 9 previously evaluated food additives were prepared at the 80th JECFA meeting (Rome, Italy, 16 – 25 June 2015).
2. Following the recommendation made by the seventy-ninth meeting of JECFA, the 16 specifications for modified starches have been separated into stand-alone documents without adding, deleting or modifying any information. Some of the resulting single draft specifications monographs are incomplete; in some cases, essential information is missing, in particular information that would normally be needed to serve the purpose of a specification to unambiguously characterize the additive. A [call for data](#) has been issued and the specifications will be revisited in 82nd JECFA meeting.
3. The specifications of four food additives were assigned the status *tentative* (silicon dioxide, amorphous (INS 551), sodium aluminium silicate (INS 554), mixed β -glucanase cellulase and xylanase from *Rasamsonia emersonii* and mixed β -glucanase and xylanase from *Disporotrichum dimorphosporum*).
4. The specifications for two food additives, advantame (INS 969) and calcium silicate (INS 552), were revised and the tentative status was removed.
5. The specifications for two additives, annatto extract (solvent-extracted bixin) (INS 160b(i)) and annatto extract (solvent-extracted norbixin) (INS 160b(ii)), were revised.
6. The specifications for three food additives, aluminium silicate (INS 559), calcium aluminium silicate (INS 556) and glycerol ester of gum rosin (INS 445(ii)), were withdrawn by JECFA as the requested data were not received.
7. The full specifications to be discussed and considered by the CCFA for adoption are listed in Annex 1 (part a), whereas other specifications for food additives which were designated as tentative by the 80th JECFA are listed in Annex 2.
8. Annex 2 lists also editorial changes to several food additive specifications which affect the online edition only, and do not require action by CCFA.

9. The specification monographs will be available (in English only) on the JECFA Online Edition of: "Combined Compendium of Food Additive Specifications" www.fao.org/food/food-safety-quality/scientific-advice/jecfa/jecfa-additives/en/ resulting from the 80th JECFA meeting will be published as FAO JECFA Monographs 17, FAO, Rome, 2015. The publication will be available to download as pdf-document at the FAO JECFA website at: <http://www.fao.org/food/food-safety-quality/scientific-advice/jecfa/jecfa-publications/en/>

Recommendations

10. The CCFA is being asked to:

- a) Review the specifications designated as "Full" for the food additives listed in Annex 1 part a, with a view to recommending their adoption by the Commission as Codex Specifications, taking into account comments received.
- b) Consider revoking the Codex specifications for aluminium silicate (INS 559) and calcium aluminium silicate (INS 556) as the tentative specifications have been withdrawn.

Analytical methods

11. The following general analytical method was prepared by 80th JECFA.

12. The existing analytical method for determination of Residual solvents was revised and renamed Residual solvents by headspace gas chromatography. It replaces also the tentative method for determination of residual solvents in certain annatto extracts proposed by the JECFA at its 77th meeting. The method are published in FAO JECFA Monographs 17. The on-line version of the Combined Compendium of Food Additive Specifications, FAO JECFA Monographs 1, Volume 4, will be revised correspondingly.

Part a**PROPOSED DRAFT SPECIFICATIONS RESULTING FROM THE 80TH JECFA MEETING
(at Step 3)****FOOD ADDITIVES SPECIFICATIONS DESIGNATED AS FULL (FAO JECFA Monographs 17, Rome, 2015):¹**

Advantame (R) (INS 969)

Annatto extracts (solvent-extracted bixin) (R) (INS 160b(i))

Annatto extracts (solvent-extracted norbixin) (R) (INS 160b(ii))

Calcium silicate (R) (INS 552)

Lipase from *Fusarium heterosporum* expressed in *Ogataea polymorpha* (N) (INS 1104)

Magnesium stearate (N) (INS 470(iii))

Maltotetrahydrolase from *Pseudomonas stutzeri* expressed in *Bacillus licheniformis* (N)

Polyvinyl alcohol (PVA)-polyethylene glycol (PEG) graft co-polymer (N) (INS 1209)

Part b**WITHDRAWN SPECIFICATIONS FOR FOOD ADDITIVES
(Recommended for revocation)**

Aluminium silicate (INS 559)

Calcium aluminium silicate (INS 556)

Glycerol ester of gum rosin (INS 445(ii))

The monograph for glycerol ester of gum rosin will be immediately removed from the online edition of the Compendium. The specifications for aluminium silicate (INS 559) and calcium aluminium silicate (INS 556) were adopted as Codex specifications. Their possible revocation will be discussed by CCFA48. Once the Codex Alimentarius Commission decides to revoke them, they will be removed as well from the online edition.

¹ (M) existing specifications maintained; (N) new specifications; (R) revised specifications; (T) tentative specifications.

OTHER SPECIFICATIONS RESULTING FROM THE 80TH JECFA MEETING
(for information only)

SPECIFICATIONS AMENDED ONLY EDITORIALY

The following specifications monographs were amended editorially and only the online edition of the Joint Compendium is revised:

| Specifications monographs | INS | Description of changes |
|--|---------|---|
| Mineral oil (high viscosity) | 905d | Under SYNONYMS the INS number was changed to be consistent with CAC/GL 36-1989 |
| Polyoxyethylene (20) sorbitan monostearate | 435 | Last sentence of the introduction note (in italic) was changed due to an editorial error. |
| Diammonium hydrogen phosphate | 342(ii) | CAS number changed from 7783-54-0 to 7783-28-0 |
| 1-hydroxyethylidene-1,1-diphosphonic acid | - | Under SYNONYMS the entry editronic acid was changed to the correct name etidronic acid |
| Microcrystalline wax | 905c(i) | INS number changed from 905c to 905c(i) |

SPECIFICATIONS DESIGNATED AS TENTATIVE (FAO JECFA Monographs 17, Rome, 2015):²

- Mixed β -glucanase and xylanase from *Disporotrichum dimorphosporum* (N)
- Mixed β -glucanase, cellulase and xylanase from *Rasamsonia emersonii* (N)
- Silicon dioxide, amorphous (R) (INS 551)
- Sodium aluminium silicate (R) (INS 554)

² (M) existing specifications maintained; (N) new specifications; (R) revised specifications; (T) tentative specifications.