

Proposals for changes/additions to the International Numbering System for Food Additives (CAC/GL 36-1989, Revision 2013)

1. Background

In March 2013 the 45th CCFA agreed to establish an electronic working group (eWG) opens to all members and observers and hosted by Iran. In April 2013 the Codex Secretariat distributed CL 2013/13-FA (inviting, by 15 September 2013 proposals for changes, addition (and deletion) to the INS list. The eWG worked in English only with the following terms of reference:

The Codex Secretariat distributed on 14 May 2013 a kick-off message to the eWG containing an invitation to members and observers to sign up for the eWG by 15 June 2013. It was mentioned that the eWG will be working in English only. The terms of reference of the eWG as decided by the 45th CCFA:

- I. To consider the replies to the CL 2013/13-FA requesting proposals for changes/additions to the INS list and prepare a proposal for circulation for comment at Step 3
- II. To discuss the proposed changes to technological purposes that due to time constraints could not be considered by the in-session working group meeting during the 45th Session of the Committee.

The Circular Letter requesting comments to the INS (CL 2013/13-FA) was published in April 2013 and the deadline for comments was set at 15 September 2013.

2. The Electronic Working Group

In April 2013, the Codex Secretariat distributed an invitation to Codex members and observers to express interest in participation in the eWG by 15 June 2013. This invitation contained the terms of reference of the eWG, a general outline of the work of the eWG, and the expected outcome of the work, namely a proposal for changes to the INS list.

By 19 June 2013 nine countries, one member organization and observers from thirteen international organizations had signed up and expressed interest in participation in the eWG: Argentina, Brazil, Iran, Japan, Korea, New Zealand, Mexico, Peru, USA, the EC, FAO JECFA Secretariat, CCC, ELC, IADSA, IOFI, IFT, IACM, ICGA, IDF, ICGMA, IFAC, NATCOL, OIV and USP.

All the observers are recognized as Codex International Non-Governmental Organizations.

An outline of the work of the eWG was distributed to the eWG on 20 June 2013. The deadline for submitting information and comments was the same as that of to the CL, 15 September 2013.

On 30 September 2013 a compilation of the proposals received was sent to the eWG members for comments by 31 October 2013.

The proposal for changes and/or additions to the INS list is presented in the following tables, and they are based on the replies to CL 2013/13-FA.

The comments are included in two tables with table 1 which includes modification of an existing INS name or new INS number and purpose and table 2 which includes proposal for additional technological purposes. Some of the INS numbers for requested additions are proposed by myself and members are most welcome to propose different INS number if they believe my proposal are not appropriate.

The submission of INS changes are based on comments received from the following members of the eWG, USA, Iran, EU, Costa Rica, and IACM. All of the comments from members were supplemented with proper justifications, which is highly appreciated.

**Proposed changes and/or additions to the INS
(At Step 3)**

International Numbering System for Food Additives, List in numerical order

The INS list in numerical order is proposed to be updated for some food additives as listed in the Tables below.

Comments:

- The changes are highlighted with **RED** colour.
- An attempt has been made to include all proposed changes, especially as regards the Technological Purposes in order to list all the Technological Purposes for which the additive is used according to comments received.
- Comments to all proposals are invited.
- Comments are listed in table 1 and 2.
- In order to clarify the tables, additional notes are also included for each table.

Table 1: modification of an existing INS name or new INS number purpose

INS No.	Name of Food Additive in INS	Name of Food Additive in JECFA	Technological Purpose
105	CARTHAMUS YELLOW	CARTHAMUS YELLOW	Colour
163 (vi)	Black Carrot Extract	-----	Colour
176	potassium aluminium silicate-based pearlescent pigments (PAS-BPP)	potassium aluminium silicate-based pearlescent pigments (PAS-BPP)	Colour
176(i)	PAS coated with titanium dioxide Type I	PAS coated with titanium dioxide Type I	Colour
176(ii)	PAS coated with iron oxide Type II	PAS coated with iron oxide Type II	Colour
176(iii)	PAS coated with titanium dioxide and iron oxide Type III	PAS coated with titanium dioxide and iron oxide	Colour
499	Stigmasterol-rich plant sterols		Stabiliser
1100 a	alpha-Amylase from Aspergillus oryzae var.	alpha-Amylase from Aspergillus oryzae var.	Flour treatment agent
1100 b	alpha-Amylase from Bacillus licheniformis (Carbohydrase)	alpha-Amylase from Bacillus licheniformis (Carbohydrase)	Flour treatment agent
1100 c	alpha-Amylase from Bacillus megaterium expressed in Bacillus subtilis	alpha-Amylase from Bacillus megaterium expressed in Bacillus subtilis	Flour treatment agent
1100 d	alpha-Amylase from Bacillus stearothermophilus expressed in Bacillus subtilis	alpha-Amylase from Bacillus stearothermophilus expressed in Bacillus subtilis	Flour treatment agent

1100 e	alpha-Amylase from Bacillus stearothermophilus	alpha-Amylase from Bacillus stearothermophilus	Flour treatment agent
1100 f	alpha-Amylase from Bacillus subtilis	alpha-Amylase from Bacillus subtilis	Flour treatment agent
1205	Basic methacrylate copolymer		Glazing agent
1206	Neutral methacrylate copolymer		Glazing agent
1207	Anionic methacrylate copolymer		Glazing agent

Additional Note: It was proposed to ensure harmonization between the names and functional classes used in the INS and the GSFA that six amylases with unique names in Table 3 of the GSFA are all associated with the same name (Amylases) and same INS number (INS 1100) in the INS. It has been proposed by USA the more specific names for the amylases used in the GSFA should be incorporated into the INS to allow for harmonization with the GSFA. My proposal is to use alphabetical suffix, but it is decision of eWG members of INS and CCFA to decide on this approach

Table 3: Proposal for additional technological purposes (Requested for new technological purposes for one additive with following justification). The new technological purpose is highlighted as **RED**)

INS #	Food Additive	INS Functional Class (CAC/GL 36-1989, Version 8-2010)	ADDITIONAL Functional Class/Technological Purpose
243	Lauric arginate ethyl ester (INS 243)	Preservative	Preservative, Antimicrobial preservative (Evidence that the compound has been or is capable of being used effectively for the technological purpose proposed)