CODEX ALIMENTARIUS COMMISSION



Food and Agriculture Organization of the United Nations



Viale delle Terme di Caracalla, 00153 Rome, Italy - Tel: (+39) 06 57051 - E-mail: codex@fao.org - www.codexalimentarius.org
Agenda Items 5a, 5b and 5c
CRD19

# JOINT FAO/WHO FOOD STANDARDS PROGRAMME

# CODEX COMMITTEE ON FOOD ADDITIVES

**Forty-Ninth Session** 

## Macao SAR, China, 20-24 March 2017

Part A:

AGENDA ITEM 5A: GENERAL STANDARD FOR FOOD ADDITIVES (GSFA): CCFA48 OUTSTANDING PROVISIONS; PROVISIONS FOR BENZOATES IN FC 14.1.4; PROVISIONS IN FC 5.0 AND 5.1; PROVISIONS ASSOCIATED WITH NOTE 22; PROVISIONS IN FC 01.1, 01.1.1, 01.1.3 AND 01.1.4 (REPORT OF THE EWG ON THE GSFA)

# Comments of Nigeria and ICA

Nigeria

Appendix 3: Request for information on use levels and technical justification for the use of benzoates in food category 14.1.4 (Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks)

### Comment:

Nigeria supports Option 3: An ML of 250 mg/kg for Benzoates (INS 210-213)

### Rationale:

A benzoate use level of 250 mg/kg is required in beverages falling under food category 14.1.4 to prevent microbiological spoilage during the shelf life of the beverage. The adoption of a use level below 250 mg/kg will drastically reduce the efficacy of the preservative in controlling increased microbial activities under high temperatures obtained in tropical climates.

# International Confectionery Association (ICA)

This proposal is made under Agenda Item 5a General Standard for Food Additives (GSFA): CCFA48 outstanding provisions; provisions for benzoates in FC 14.1.4; provisions in FC 5.0 and 5.1; provisions associated with Note 22; provisions in FC 01.1, 01.1.1, 01.1.3 and 01.1.4 (Report of the EWG on the GSFA). We would like to propose Ethyl Maltol (INS 637) in Food Category 05.2 Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4 and Food Category 05.3 Chewing gum at 1000 mg/kg.

# FORM FOR THE SUBMISSION OF PROPOSALS FOR NEW AND/OR REVISION OF ADOPTED FOOD ADDITIVE PROVISIONS IN THE GSFA

THE PROPOSAL IS SUBMITTED BY:	ICA
IDENTITY OF THE FOOD ADDITIVE:	
Name of the Additive	Ethyl Maltol
As listed in Class Names and the International Numbering System (INS) - CAC/GL 36-1989	
INS Number	637

Functional Class	5	Flavor Er	hancer	
As listed in Class International Nun CAC/GL 36-1989	nbering System (INS) -			
PROPOSED USE	E(S) OF THE FOOD ADDITIVE	E ( <sup>1</sup> ):	The proposal for $\Box a$	new provision;
The rows below n needed.	nay be copied as many times a	as		evising an xisting provision
			or □a food additive pro category 01.1.2 "Other	ovision in the new food fluid milks (plain)"
Food Category No. ( <sup>2</sup> )	Food Category Name ( <sup>2</sup> )		Maximum Use Level ( <sup>3</sup> )	Comments ( <sup>4</sup> )
05.2	Confectionery including harc candy, nougats, etc. other the categories 05.1, 05.3, and	nan food	1000 mg/kg	
05.3	Chewing gum		1000 mg/kg	
EVALUATION B	Y JECFA:			
Evaluation by JE	CFA	Evaluatio	n year: 2005	
	JECFA evaluation (including	ADI:	0-2 mg/kg b	w (1974)
	session of evaluation; full ADI of specified"); specifications	Meeting:	18	
monograph).		Specs Co	ode: S	
		Specifica	tions monograph:	
			FA Monographs 4- JECF	FA 68/ . R (2007)
JUSTIFICATION	:		· ·	<u>,                                </u>
need Supporting inform Section 3.2 of th Standard for Fo advantage, does	use and technological nation based on the criteria in the Preamble of the General bod Additives (i.e. has an not present an appreciable s a technological function).	al after-taste. The richness of the flavor is increased, while a smooth and mellow quality is produced		
	tive: Dietary intake	Table 3	additive:	
assessment (asa	appropriate)	□ Yes		
			Please provide informat ent below)	ion on dietary intake

	JECFA allocated an ADI of 0-2 mg/kg b.w./day for ethyl maltol (INS 637). Consumption of 10 grams of candy and chewing gum containing 1000 mg/kg of ethyl maltol (INS 637) by a 60 kg adult would result in the possible ingestion of only 0.17 mg/kg bw/day ethyl maltol (INS 637), i.e. only 8 % of the ADI. It is also known that for chewing gum, a significant part of ethyl maltol (INS 637) will not be ingested because it remains in the gum cud after chewing. Therefore, exposure estimate of 8% of the ADI is a worst case scenario (i.e. very conservative and overestimating the real dietary exposure due to chewing gum).
Justification that the use does not mislead consumer	The use of ethyl maltol (INS 637) at a level 1000 mg/kg in 05.2 Confectionery including hard and soft candy, nougats, etc and 05.3 Chewing gum is technically justified and safe, based on the technical needs and related safety calculations mentioned above.

(1) For <u>proposed revisions of adopted provisions</u>, the current adopted provision should be provided, with deletions noted in strikethrough-text, and changes or additions noted in **bold** font.

- (2) Food category number and name, as listed in Annex B of the GSFA.
- (3) For consistency, the maximum use level should be reported on the same basis as the ADI. A numerical use level should be provided for a food additive assigned a numerical ADI. GMP or a numerical use level may be provided for a food additive assigned a non-numerical ADI (e.g. "not- specified").
- (4) Comments on specific restrictions on the use of the food additive to be included as Notes (e.g. limitation of use to specific products in a food category).

This proposal is made under Agenda Item 5a General Standard for Food Additives (GSFA): CCFA48 outstanding provisions; provisions for benzoates in FC 14.1.4; provisions in FC 5.0 and 5.1; provisions associated with Note 22; provisions in FC 01.1, 01.1.1, 01.1.3 and 01.1.4 (Report of the EWG on the GSFA). We would like to propose Maltol (INS 636) in Food Category 05.2 Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4 and Food Category 05.3 Chewing gum at 200 mg/kg.

# FORM FOR THE SUBMISSION OF PROPOSALS FOR NEW AND/OR REVISION OF ADOPTED FOOD ADDITIVE PROVISIONS IN THE GSFA

THE PROPOSAL IS SUBMITTED BY:	ICA	
IDENTITY OF THE FOOD ADDITIVE:	•	
Name of the Additive	Maltol	
As listed in Class Names and the International Numbering System (INS) - CAC/GL 36-1989		
INS Number	636	
Functional Class	Flavor Enhancer	
As listed in Class Names and the International Numbering System (INS) - CAC/GL 36-1989		
PROPOSED USE(S) OF THE FOOD ADDITIV	E ( <sup>1</sup> ):	The proposal for $\Box$ a new provision;
The rows below may be copied as many times needed.	as	or ⊠ revising an existing provision
		or □a food additive provision in the new food category 01.1.2 "Other fluid milks (plain)"

Food Category No. ( <sup>2</sup> )	Food Category Name ( <sup>2</sup> )		Maximu Level ( <sup>3</sup> )		Comments ( <sup>4</sup> )
	Confectionery including hard candy, nougats, etc. other t categories 05.1, 05.3, and 05	han food	200 mg/kg	9	
05.3	Chewing gum		200 mg/k	g	
EVALUATION B	Y JECFA:				
Evaluation by JE	CFA	Evaluatio	n year:	2005	
	JECFA evaluation (including session of evaluation; full ADI			0-1 mg/kg b	w (1981)
(numerical or "no	ot specified"); specifications	Meeting:		25	
monograph).		Specs Co	ode:	R	
		Specifica	tions mon	ograph:	
		FAO JEC	FA Monog	raphs 4- JECF	FA 68/ . R (2007)
JUSTIFICATION	:	ı			
Justification for need		gum proc	lucts ofter	n, but not alwa	lavored candy and chewing ys, in conjunction with ethyl
Section 3.2 of the Standard for Fo advantage, does health risk, serve	not present an appreciable s a technological function).	soluble f substanc strawberr provides ethyl mal flavor eff 637) can dependin technolog Chewing	han ethy es can he y candies an early a tol (637)) ect. Both have a fl g on the gically nee gum as a	I maltol (INS lp to impart a and chewin and sweet stra provides a so maltol (INS avor enhancir application. C	Itol (INS 636) is less water 5 637), the use of both prolonged flavor release. In g gums, maltol (INS 636) awberry taste effect, where mewhat ripe, cooked or jam 636) and ethyl maltol (INS ng or a direct flavor impact, Overall, maltol (INS 636) is g/kg in 05.2 candy and 05.3 er.
Safe use of addit assessment (as a	t <b>ive: Dietary intake</b> appropriate)	Table 3 □ Yes	additive:		

	☑ No (Please provide information on dietary intake assessment below)
	JECFA allocated an ADI of 0-1 mg/kg b.w./day for maltol (INS 636). Consumption of 10 grams of candy and chewing gum containing 200 mg/kg of maltol (INS 636) by a 60 kg adult would result in the possible ingestion of only 0.03 mg/kg bw/day of maltol (INS 636), i.e. only 3% of the ADI. It is also known that for chewing gum, a significant part of maltol (INS 636) will not be ingested but will remain in the gum cud after chewing. Therefore, exposure estimate of 3% of the ADI is a worst case scenario (i.e. very conservative and overestimating the real dietary exposure due to chewing gum).
Justification that the use does not mislead consumer	The use of maltol (INS 636) at a level 200 mg/kg in 05.2 Confectionery including hard and soft candy, nougats, etc and 05.3 Chewing gum is technically justified and safe, based on the technical needs and related safety calculations mentioned above.

(1) For <u>proposed revisions of adopted provisions</u>, the current adopted provision should be provided, with deletions noted in strikethrough-text, and changes or additions noted in **bold** font.

(2) Food category number and name, as listed in Annex B of the GSFA.

- (3) For consistency, the maximum use level should be reported on the same basis as the ADI. A numerical use level should be provided for a food additive assigned a numerical ADI. GMP or a numerical use level may be provided for a food additive assigned a non-numerical ADI (e.g. "not- specified").
- (4) Comments on specific restrictions on the use of the food additive to be included as Notes (e.g. limitation of use to specific products in a food category).

This proposal is made under Agenda Item 5a General Standard for Food Additives (GSFA): CCFA48 outstanding provisions; provisions for benzoates in FC 14.1.4; provisions in FC 5.0 and 5.1; provisions associated with Note 22; provisions in FC 01.1, 01.1.1, 01.1.3 and 01.1.4 (Report of the EWG on the GSFA). We would like to propose Propylene Glycol (INS 1520) in Food Category 05.2 Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4 and Food Category 05.3 Chewing gum at 20,000 mg/kg.

### FORM FOR THE SUBMISSION OF PROPOSALS FOR NEW AND/OR REVISION OF ADOPTED FOOD ADDITIVE PROVISIONS IN THE GSFA

	L IS SUBMITTED BY:	CA		
<b>IDENTITY OF TH</b>	IE FOOD ADDITIVE:			
Name of the Add	ditive P	ropylene	e Glycol	
As listed in Class International Nun CAC/GL 36-1989	nbering System (INS) -			
INS Number	15	520		
Functional Class	s E	mulsifie	r, Glazing Agent, Hum	ectant
As listed in Class Names and the International Numbering System (INS) - CAC/GL 36-1989				
PROPOSED USE	E(S) OF THE FOOD ADDITIVE (	<sup>1</sup> ):	The proposal for	a new provision;
The rows below may be copied as many times as needed.			or ⊠ revising an existing provision	
			or □a food additive p category 01.1.2 "Othe	provision in the new food er fluid milks (plain)"
Food Category No. ( <sup>2</sup> )	Food Category Name ( <sup>2</sup> )		Maximum Use Level ( <sup>3</sup> )	Comments ( <sup>4</sup> )
05.2	Confectionery including hard a		<del>240,000 mg/kg</del>	
	candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4		20,000 mg/kg	
05.3	Chewing gum		<del>240,000 mg/kg</del>	
			20,000 mg/kg	
EVALUATION B	Y JECFA:			

Evaluation by JECFA	Evaluation year:	2002
Reference to the JECFA evaluation (including	ADI:	0-25 mg/kg bw (1973)
year and JECFA session of evaluation; full ADI (numerical or "not specified"); specifications	Meeting:	49
monograph).	Specs Code:	R (1977)
	Specifications mor	nograph:
		DDENDUM 12/FNP 52 Add. 12/68 (2004). R: FAO JECFA Monographs 1
JUSTIFICATION:		
Justification for use and technological need Supporting information based on the criteria in Section 3.2 of the Preamble of the General Standard for Food Additives (i.e. has an	retains moisture in Propylene glycol is	NS 1520) acts as a humectant, which products and keep them from drying out. s used in many chewing gums, candies ylene glycol keeps products fresh and life.
advantage, does not present an appreciable health risk, serves a technological function).	hard and soft cand 20000 mg/kg. Inde adopted a level of propylene glycol of glycol (INS 1520) i	se level in 05.2 Confectionery including ly, nougats, etc and 05.3 Chewing gum is ed, Codex alimentarius has already 20000 mg/kg in chewing gum for f fatty acids (INS 477). Overall, Propylene s technologically needed at 20000 mg/kg 05.3 Chewing gum.
Safe use of additive: Dietary intake	Table 3 additive:	
assessment (as appropriate)	□ Yes	

	<ul> <li>No (Please provide information on dietary intake assessment below)</li> <li>JECFA allocated an ADI of 0-25 mg/kg b.w./day to propylene glycol (INS 1520). Consumption of 10 grams of candy and chewing gum containing 20000 mg/kg of propylene glycol by a 60 kg adult would result in the possible ingestion of only 3.3 mg/kg bw/day of propylene glycol, i.e. no more than 13% of the ADI.</li> </ul>
Justification that the use does not mislead	
consumer	The use of Propylene glycol (INS 1520) at a level 20,000 mg/kg in 05.2 Confectionery including hard and soft candy,
	nougats, etc and 05.3 Chewing gum is technically justified and safe, based on the technical needs and related safety calculations mentioned above.

(1) For <u>proposed revisions of adopted provisions</u>, the current adopted provision should be provided, with deletions noted in strikethrough text, and changes or additions noted in **bold** font.

(2) Food category number and name, as listed in Annex B of the GSFA.

- (3) For consistency, the maximum use level should be reported on the same basis as the ADI. A numerical use level should be provided for a food additive assigned a numerical ADI. GMP or a numerical use level may be provided for a food additive assigned a non-numerical ADI (e.g. "not- specified").
- (4) Comments on specific restrictions on the use of the food additive to be included as Notes (e.g. limitation of use to specific products in a food category).

# PART B:

# AGENDA ITEM 5B: USE LEVELS FOR ADIPIC ACID (INS 355) IN VARIOUS FOOD CATEGORIES

**Comments of ICA** 

#### International Confectionery Association (ICA)

This proposal is made under Agenda Item 5b General Standard for Food Additives (GSFA): Use levels for adipic acid (INS 355) in various food categories (replies to CL 2016/9-FA). We would like to provide the use level of adipic acid in Food Category 05.2 Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4, i.e., 12000 mg/kg and Food Category 05.3 Chewing Gum, i.e., 3900 mg/kg.

# FORM FOR THE SUBMISSION OF PROPOSALS FOR NEW AND/OR REVISION OF ADOPTED FOOD ADDITIVE PROVISIONS IN THE GSFA

		1		
THE PROPOSAL	IS SUBMITTED BY:	ICA		
IDENTITY OF TH	IE FOOD ADDITIVE:			
Name of the Add	litive	Adipic ac	id	
As listed in Class Names and the International Numbering System (INS) - CAC/GL 36-1989				
INS Number		355		
Functional Class	S	Acidity re	gulator	
As listed in Class International Nun CAC/GL 36-1989	nbering System (INS) -			
<b>PROPOSED USE(S) OF THE FOOD ADDITIVE</b> The rows below may be copied as many times a needed.			The proposal is to provide use level of adipic aci (Agenda Item 5b)	
Food Category No. ( <sup>2</sup> )	Food Category Name ( <sup>2</sup> )		Maximum Use Level ( <sup>3</sup> )	Comments ( <sup>4</sup> )
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4		12000 mg/kg	The Confectionery Industry supports a maximum use level of 20000 mg/kg for future innovations.
05.3	Chewing Gum		3900 mg/kg	The Confectionery Industry supports a maximum use level of 10000 mg/kg for future innovations.
EVALUATION B	Y JECFA:			
Evaluation by JECFA       Evaluation year: 1999         Reference to the JECFA evaluation (including year and JECFA session of evaluation; full ADI (numerical or "not specified"); specifications monograph).       Evaluation year: 1999         ADI:       0-5 mg/kg bw         Meeting:       21         Specs Code:       S (1977)         Specifications monograph).       Specifications monograph:         COMPENDIUM ADDENDUM 7/FNP 52 Add.7/5 (ACIDITY REGULATOR); 132 (FLAVOUR); FAO JECFA Monograph         1 vol.1/19			/FNP 52 Add.7/5 (ACIDITY	
JUSTIFICATION	:			

need Supporting information based on the criteria in Section 3.2 of the Preamble of the General	Adipic acid is used in confectionery products for its contribution to fruit and sour tastes. Adipic acid provides a prolonged sour taste and increased saliva flow while having low solubility. It is therefore an essential component used to promote continuous release of sour fruit flavors, thereby providing consumers that unique organoleptic experience and expected pleasure.
Safe use of additive: Dietary intake assessment (as appropriate)	Table 3 additive:

	<ul> <li>☑ No (Please provide information on dietary intake assessment below)</li> <li>At the use level of 12000 mg/kg in Food Category 05.2 confectionery, dietary intake in a person with a bodyweight of 60 kg consuming 5 g of candy would be 1 mg/kg bw/day of adipic acid, i.e. 20% of the ADI</li> </ul>
Justification that the use does not mislead consumer	The use of adipic acid (INS 355) at a level 12,000 mg/kg in confectionery is technically justified and safe, based on the technical needs and related safety calculations mentioned above.

(1) For <u>proposed revisions of adopted provisions</u>, the current adopted provision should be provided, with deletions noted in strikethrough-text, and changes or additions noted in **bold** font.

(2) Food category number and name, as listed in Annex B of the GSFA.

- (3) For consistency, the maximum use level should be reported on the same basis as the ADI. A numerical use level should be provided for a food additive assigned a numerical ADI. GMP or a numerical use level may be provided for a food additive assigned a non-numerical ADI (e.g. "not- specified").
- (4) Comments on specific restrictions on the use of the food additive to be included as Notes (e.g. limitation of use to specific products in a food category).

# PART C:

# AGENDA ITEM 5C: GENERAL STANDARD FOR FOOD ADDITIVES (GSFA): PROPOSALS FOR NEW AND/OR REVISION OF FOOD ADDITIVE PROVISIONS

### **Comments of Japan and ICA**

#### Japan

# FORM FOR THE SUBMISSION OF PROPOSALS FOR NEW AND/OR REVISION OF ADOPTED FOOD ADDITIVE PROVISIONS IN THE GSFA

THE PROPOSAL IS SUBMITTED BY:	Japan	
IDENTITY OF THE FOOD ADDITIVE:		
Name of the Additive	Paprika Extract	
As listed in Class Names and the International Numbering System (INS) - CAC/GL 36-1989		
INS Number	160c(ii)	
Functional Class	Colour	
As listed in Class Names and the International Numbering System (INS) - CAC/GL 36-1989		
PROPOSED USE(S) OF THE FOOD ADDITIN The rows below may be copied as many times		

needed.		or 🗆 rev	ising an existing
		pro	vision
			ood additive provision in the .2 "Other fluid milks (plain)"
Food Category No. ( <sup>2</sup> )	Food Category Name ( <sup>2</sup> )	Maximum Use Level (³)	Comments ( <sup>4</sup> )
01.1.4	Flavoured fluid milk drinks	10 mg/kg	To impart colour to flavoured drinks based on fermented milks.
01.6.4	Processed cheese	140 mg/kg	To adjust colour of processed cheese for which cheddar cheese is used as ingredients.
01.6.5	Cheese analogues	35 mg/kg	To adjust colour of processed cheese for which cheddar cheese is used as ingredients.
01.7	Dairy-based desserts (e.g. pudding, fruit or flavoured yoghurt)	11 mg/kg	To impart colour to ice cream, sherbet containing dairy ingredients and fruit yoghurt.
02.2.2	Fat spreads, dairy fat spreads and blended spreads	40 mg/kg	To impart colour to fat spreads and dairy fat spreads.
02.3	Fat emulsions mainly of type oil- in-water, including mixed and/or flavoured products based on fat emulsions	35 mg/kg	To impart colour to non- dairy cream
03.0	Edible ices, including sherbet and sorbet	55 mg/kg	To adjust colour of sherbet
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	70 mg/kg	For use in dried tomato only. To adjust colour of dried tomato.
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soybean sauce	75 mg/kg	For use in soybean sauce pickled vegetable only.
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g. vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	150 mg/kg	To adjust colour of tomato sauces to ensure colour uniformity throughout a year. For use in tomato sauce only.
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera),	40 mg/kg	To adjust colour of fried potato. For use in fried potato only.

	and seaweeds		
05.1.4	Cocoa and chocolate products	10 mg/kg	
05.1.5	Imitation chocolate, chocolate substitute products	25 mg/kg	
05.2.1	Hard candy	6 mg/kg	
05.2.2	Soft candy	12 mg/kg	
05.3	Chewing gum	5 mg/kg	
05.4	Decorations (e.g. for fine bakery wares), toppings (non-fruit), and sweet sauces	11 mg/kg	To impart colour to toppings for surface decoration.
06.4.3	Pre-cooked pastas and noodles and like products	45 mg/kg	
06.6	Batters (e.g. for breading or batters for fish or poultry)	300 mg/kg	
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	30 mg/kg	
06.8.4.2	Deep fried semi-dehydrated soybean curd	35 mg/kg	To adjust colour of dehydrated deep fried soybean curd for seasonings of instant noodles.
07.2.1	Cakes, cookies and pies (e.g. fruit-filled or custard types)	1 mg/kg	
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	10 mg/kg	Except for use in dried fried chickens for seasoning of instant noodles at 75 mg/kg
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	40 mg/kg	To impart colour to hamburger steak, sausages and fried chopped meat and cooked meat balls.
09.2.4.1	Cooked fish and fish products	25 mg/kg	Except for use in dried cooked surimi product for seasoning of instant noodle at 230 mg/kg
09.2.4.2	Cooked molluscs, crustaceans, and echinoderms	60 mg/kg	For use in cooked shrimp for seasoning of instant noodle only.
09.3.3	Salmon substitutes, caviar and other fish roe products	160 mg/kg	For use in salted cod roe flavoured with chili pepper only.
10.2.1	Liquid egg products	3 mg/kg	
11.4	Other sugars and syrups (e.g. xylose, maple syrup, sugar toppings)	85 mg/kg	For use in decorative sugar toppings only.
12.2.1	Herbs and spices	300 mg/kg	To adjust colour to curry paste and roux. Curry paste and roux are diluted to 27 mg/kg (ready

				to eat basis)
12.2.2	Seasonings and condiments		55 mg/kg	
12.4	Mustards		4 mg/kg	
12.5.1	Ready-to-eat soups and broths, including canned, bottled, and frozen		40 mg/kg	Except for use in ready-to- eat soups containing red pepper as ingredients at 75 mg/kg.
12.5.2	Mixes for soups and brot	hs	10 mg/kg	
12.6	Sauces and like products	5	150 mg/kg	
12.6.1	Emulsified sauces and dips (e.g. mayonnaise, salad dressing, onion dips)		10 mg/kg	Except for use in mayonnaise containing salted cod roe flavoured with chili pepper as ingredient at 42 mg/kg
12.6.2	Non-emulsified sauces (e.g. ketchup, cheese sauce, cream sauce, brown gravy)		150 mg/kg	
13.6	Food supplements		20 mg/kg	
14.1.4.1	Carbonated water-based flavoured drinks		3 mg/kg	
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades		25 mg/kg	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)		110 mg/kg	
EVALUATION B	EVALUATION BY JECFA:			
<b>Evaluation by JECFA</b> Reference to the JECFA evaluation (including year and JECFA session of evaluation; full ADI (numerical or "not specified"); specifications monograph).		An ADI of 0 – 1.5 mg/kg bw was allocated at the 79 <sup>th</sup> JECFA (2014). The latest specification was prepared at the 77 <sup>th</sup> JECFA (2013).		
JUSTIFICATION:				
Justification for use and technological need		This food additive is used in various foods to impart or adjust colour. Please refer to proposed uses of the food additive.		
Supporting information based on the criteria in Section 3.2 of the Preamble of the General Standard for Food Additives (i.e. has an advantage, does not present an appreciable health risk, serves a technological function).		Maximum use levels submitted are expressed as total carotenoids. To convert use levels of paprika extract into those of total carotenoids, use levels of paprika extracts were multiplied by 0.075 because, according to the report of JECFA, 7.5% is in the mid-range of the levels in commercial paprika extracts used as colours.		

Safe use of additive: Dietary intake assessment (as appropriate)	Table 3 additive:		
	□ Yes		
	<ul> <li>No (Please provide information on dietary intake assessment below)</li> </ul>		
	JECFA performed dietary exposure assessment. Dietary exposures to total carotenoids from paprika extract were based on consumption data from the United Kingdom and France.		
	Assuming that 7% of paprika extract was total carotenoids, the estimated mean dietary exposure to total carotenoids for the French population was 2.3 mg/day, ad estimated dietary exposure for a high consumer was 7.0 mg/day.		
	For the United Kingdom, survey data (based on four age categories) yielded mean estimated dietary exposure to total carotenoids from paprika extract of 2.9-6.9 mg/day. The exposure at the 95 <sup>th</sup> percentile was estimated to be 6.3-13.2 mg/day.		
	Exposure to capsaicin and all capsaicinoids from paprika extract is considered to be less than 0.05 mg/day, based on the low level of all capsaicinoids present in paprika extract used as a food colour.		
Justification that the use does not mislead consumer	The above-mentioned use does not affect quality of the food that would be expected by consumers.		

# International Confectionery Association (ICA)

This proposal is made under Agenda Item 5c General Standard for Food Additives (GSFA): Proposals for new and/or revision of food additive provisions. We would like to propose Tartrates (INS 334, 335(ii), 337) in Food Category 05.2 Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4 at 20000 mg/kg.

# FORM FOR THE SUBMISSION OF PROPOSALS FOR NEW AND/OR REVISION OF ADOPTED FOOD ADDITIVE PROVISIONS IN THE GSFA

THE PROPOSAL IS SUBMITTED BY:	ICA	
IDENTITY OF THE FOOD ADDITIVE:		
Name of the Additive	TARTRATES	
As listed in Class Names and the International Numbering System (INS) - CAC/GL 36-1989		
INS Number	334, 335(ii), 337	
Functional Class	Acidity regulator, Antioxidant, Flavour enhancer, Stabilizer,	
As listed in Class Names and the International Numbering System (INS) - CAC/GL 36-1989	Emulsifying salt, Sequestrant	

<b>PROPOSED USE(S) OF THE FOOD ADDITIVE (<sup>1</sup>):</b> The rows below may be copied as many times as needed.		The proposal for □a new provision; or ⊠ revising an existing provision or □a food additive provision in the new food category 01.1.2 "Other fluid milks (plain)"		
Food Category	Food Category Name ( <sup>2</sup> )		Maximum Use Level ( <sup>3</sup> )	Comments ( <sup>4</sup> )
No. ( <sup>2</sup> ) 05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, 05.4		2,000 mg/kg 20,000 mg/kg	Note 45, &XS309R
EVALUATION B	Y JECFA:			
year and JECFA	ECFA JECFA evaluation (including session of evaluation; full ADI ot specified"); specifications	ADI: JI for tartrate potassium Meeting: Specs Co Specifica - T <u>h</u> - S - S - F	es (L(+)-tartaric acid and n sodium salts) 21 ode: R tions monograph: Tartaric acid (INS 334) , http://www.fao.org/ag/agr additives/specs/Monogra Sodium L(+)-tartrate (INS http://www.fao.org/ag/agr	<u>n/jecfa-</u> <u>ph1/Additive-457.pdf;</u> 3335(ii)), <u>n/jecfa-</u> <u>ph7/additive-427-m7.pdf;</u> artrate (INS 337),
JUSTIFICATION		<u>a</u>	additives/specs/Monogra	ph1/Additive-348.pdf
Justification for need Supporting inform Section 3.2 of the Standard for For advantage, does	use and technological nation based on the criteria in the Preamble of the General bod Additives (i.e. has an not present an appreciable s a technological function).	the initial a strong t the flavor sweetnes acid, thus are impor in the stal play a syr added fla of the soli order, ma succinic a tartness f fruit flavor natural fla Thus, tart need that on literatu radically i difference tartrates r acids (e.g	impact of sourness to co art taste and has the abi s of fruits where they are as of sucrose is also incre- a allowing some reduced that ingredients for fruit bility of the acidity of the hergist role in stabilizing vorings. Tartaric acid itso ids acidic substances, for alic acid, citric acid, adipi- acid. Tartaric acid provid rom the variety of comm red candies, the upfront avor is of most important trates (INS 334, 335(ii), a c none of the other permi ure data, each individual n their physical and psyc- es in acidic taste and in i	e naturally present. The eased by acid such tartaric use of sucrose. Tartrates flavored candy playing a role se candies, which in return the flavor profile of the elf is the most water-soluble illowed by, by decreasing c acid, fumaric acid and es the highest level of upfront only available food acids. In tartness which enhances the interest to the consumer. and 337) satisfy a consumer tted acids can meet. Based consumer also differ chological ability to detect dentifying acids. Hence, mbination with two or more the flavor of fruits.

	technologically needed at 20.000 mg/kg specifically in 05.2 confectionery.
Safe use of additive: Dietary intake assessment (as appropriate)	Table 3 additive: □ Yes
	$\boxtimes$ No (Please provide information on dietary intake

	assessment below)
	JECFA allocated a group ADI of 0-30 mg/kg b.w./day for
	tartrates. Consumption of a 5 grams piece of candy containing
	the future maximum permitted use level of 20,000 mg/kg of
	tartrates by a 60 kg adult would result in the possible ingestion
	of only 100 mg of tartrates, i.e. 5.6% of the ADI.
Justification that the use does not mislead consumer	i) The use of Tartaric acid and its Tartrate salts (INS 334, 335(ii), and 337), i.e. tartrates, should be permitted in Codex GSFA at a level 20,000 mg/kg in confectionery, expressed as tartaric acid, for use singly or in combination and ii) this level is technically justified and safe, based on the technical needs and related safety calculations mentioned above.

(1) For <u>proposed revisions of adopted provisions</u>, the current adopted provision should be provided, with deletions noted in <del>strikethrough</del> text, and changes or additions noted in **bold** font.

(2) Food category number and name, as listed in Annex B of the GSFA.

- (3) For consistency, the maximum use level should be reported on the same basis as the ADI. A numerical use level should be provided for a food additive assigned a numerical ADI. GMP or a numerical use level may be provided for a food additive assigned a non-numerical ADI (e.g. "not- specified").
- (4) Comments on specific restrictions on the use of the food additive to be included as Notes (e.g. limitation of use to specific products in a food category).