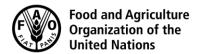
CODEX ALIMENTARIUS COMMISSION







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JOINT FAO/WHO FOOD STANDARDS PROGRAMME **CODEX COMMITTEE ON SPICES AND CULINARY HERBS**

Fifth Session

Kochi, Kerala, India, 26 - 30 April 2021

DRAFT STANDARD FOR SAFFRON

Comments at Step 6 (Replies to CL 2019/94/OCS-SCH)

Comments of Colombia, Egypt, India, Iraq, Kenya, Japan, United States of America and IUFOST

Background

This document compiles comments received through the Codex Online Commenting System (OCS) 1. in response to CL 2019/94/OCS-SCH issued in October 2019. Under the OCS, comments are compiled in the following order: general comments are listed first, followed by comments on specific sections.

Explanatory notes on the appendix

- The comments submitted through the OCS are hereby attached as Annex I and are presented in table format.
- As a result of the rescheduling of the CCSCH5 session from 21-26 September, 2020 to 26-30 April 3. 2021, the timelines for the EWG on dried saffron were adjusted. The EWG is continuing its work including addressing the attached comments.

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DRAFT STANDARD FOR SAFFRON

Comments at Step 6 (Replies to CL 2019/94/OCS-SCH)

	MEMBED/OBSEDVED
TEXT/COMMENT	MEMBER/OBSERVER - JUSTIFICATION
General Comments	
We agree with proposal draft standard especially clause 4 food additives	Iraq
UFOST supports the adoption of this standard.	IUFOST
1. Scope	
This Standard applies to saffron (dried dried floral parts) parts commonly sold in commerce as defined in section 2.1 below, offeredfordirecthuman consumption foodprocessing and forrepackagingif required. The exact species bought / sold may be defined by contractual specifications. It excludes saffron intended for industrial processing. Rationale	India
As per approved CCSCH template for Standards	
This Standardappliesto saffron (dried floral parts) commonly sold in commerce as defined in section 2.1 below, offered for direct human consumption foodprocessing <u>or as ingredient in food</u> and forrepackagingif required. The exact species bought / sold may be defined by contractual specifications.	Egypt
This Standard applies to saffron (dried floral parts) commonly sold marketed as defined in Section 2.1 below, offered for direct human consumption <u>or food</u> processing ingredient and for repackaging if required . <u>It excludes the product intended for industrial processing.</u> Justification	Colombia
Colombia deems necessary to change the term "sold" by "marketed" in order to	
add clarity to the text.	
The change seeks to give clarity and delimitation to the scope, because for "human consumption" could be understood as the food may or may not be packaged. Thus, we consider that the expression "and for repackaging if required" does not establish a specific criteria to determine the specific condition of the product.	
We also consider that it is appropriate to adjust the wording of the last paragraph in order to provide greater clarity to determine the specific situations where standard is not applicable.	
2.2 Styles and forms	
2.2 Styles/forms ¹	Egypt
Propose the following to be added as footnote	
1 Other styles distinctly different for those three are allowed, provided they are labelled	
accordingly.	
2.2 Styles/forms of presentation	Kenya
Other Styles	
Other styles distinctly different for those three are allowed, provided they are labeled accordingly.	Egypt
Other styles-forms distinctly different for those three are allowed, provided they are labeled accordingly.	Kenya
3.1 Composition	
Dried floral parts as described in Section 2. Product Description. Description and shall conform to requirements set in Annex I.	India
As per approved CCSCH template for standards	
3.2 Quality Criteria	
3.2 QUALITY CRITERIA FACTORS	India
In line with approved CCSCH template for standard	

TEXT/COMMENT	MEMBER/OBSERVER - JUSTIFICATION
3.2 QUALITY CRITERIA FACTORS	Kenya
3.2.1 Infestation	
3.2.1 Infestation	India
Saffron shall be free from live insects and practically free from dead insects, insects fragments and rodent contamination visible to the naked eye (corrected, if necessary, for abnormal vision) odour, flavour and colour.	India
Table - 2 covers all aspects. There is no need to include any other infestation	1/
Saffron shall be free from live insects and practically free from dead insects, insects fragments and rodent contamination visible to the naked eye (corrected, if necessary, for abnormal vision) odour, flavour and colour.contamination.	Kenya
Rationale: For avoiding subjectivity	
Saffron shall be free from live insects and practically free from dead insects, insects fragments and <u>free from</u> rodent contamination visible to the naked eye (corrected, if necessary, for abnormal vision) odour, flavour and colour. Justification	Colombia
Colombia agrees that dead insects and insect fragments do not represent a concern for the safety of the product; however, believes that rodent contamination can have a health impact.	
Consequently, an adjustment is made in the paragraph indicated, so that rodent contamination is not allowed.	
3.2.2 Adulteration	
3.2.2 Adulteration	India
Dried floral parts shall be free from any adulteration.	India
Dried floral parts shall be free from any <u>economic</u> adulteration.	Egypt
3.2.3 Odour, flavour and colour	,
3.2.3- 1 Odour, flavour and colour	India
Saffron shall be free from any foreign odour or flavour and especially from mustiness. They should have a characteristic odour and flavour depending on geo-climatic factors/conditions/varieties and the chemical strain of the main components of the volatile oil indicated in Annex 1.	India
3.2.2 Chemical and physical characteristics	
Saffron shall comply with the minimum chemical and physical properties in Table 1 and Table 2 in Annex 1. The defects allowed must not affect the general appearance of the product as regards to its quality, keeping quality and	
presentation in the package.	
Saffron shall be free from any foreign odour or flavour and especially from mustiness. They should have a characteristic odour and flavour depending on geo-climatic factors/conditions/varieties and the chemical strain of the main components of the volatile oil indicated in Annex 41 and shall be free from any foreign odour or flavour. Rationale	India
As per approved CCSCH template for Standards	
3.2.4 Classification	
3.2.4 <u>3</u> Classification	India
3.2.4 Classification	USA
The classification of saffron as described in Section 2.2 Styles/form is optional.	
Rationale	
This section of the Standards indicates that classification is optional, and references classification in accordance with a private standard (ISO) for class/grade II requirements. The working group should note the following:	

TEXT/COMMENT	MEMBER/OBSERVER - JUSTIFICATION
1. Codex commodity committee standards avoid referencing private standards by name or origin as all members may not belong to such bodies with membership fees.	
2. The third Draft Standard for Dried Saffron circulated to the eWG does not have specific Chemical and Physical requirements for classes, but rather the "minimum requirement for each style".	
The United States does not believe that classes/grades are appropriate in this standard- the minimum requirement for international trade. Quality grades that exceed this minimum requirement should be negotiated between buyer and seller or trading parties.	
When unclassified/ungraded minimum requirements have to apply in accordance with this standard.	USA
3.2.5 Chemical and physical characteristics	
3.2.5 Chemical and physical characteristics	India
<u>Rationale</u>	
This section may be put after section "3.2.1 Odour, flavour and colour", as per approved template for standards	
Saffron shall comply with the minimum chemical and physical properties in Table 1 and Table 2 in Annex 1.	India
4 FOOD ADDITIVES	USA
Only the food additives listed in Table 3 of the General Standard for Food Additives (CXS 192-1995) may be used in powdered dried saffron.	
Rationale	
There is no uniform requirement or practice on the use of food additives in this product. The use of food additives is largely dependent on its functional use, and market preferences. The United States recommends making this section optional by utilizing some of the text from the the Codex General Standard for Fruit Juices and Nectars (CXS 247-2005).	
The United States notes the proposal for optional use of anticaking agents was not accepted by the EWG. The reasons cited for not approving anticaking agents were purity and the high price of saffron. We do not agree with this justification. We believe that if there is a technical justification to use anticaking agents in this product, they should be considered regardless of the price of the product. The use of anticaking agents should be standard for all spices depending on the technical requirement, rather than price or quality of any particular spice.	
No food additives particularly flavorings or colorants are permitted in the products covered by this standard.	USA
No food additives particularly flavorings or colorants are permitted in the products covered by this standard. Only the food additives listed in Table 3 of the General Standard for Food Additives (CXS 192-95) may be used in the products covered by this Standard.	Colombia
Colombia understands that according to the procedures established by the Codex Alimentarius Commission, the use of additives should adhere to CXS 192-1995, in order to avoid inconsistencies between the Standards.	
In the General Standard for Food Additives (CXS 192-1995), additives such as acesulfame potassium, butylhydoxytoluene, polysorbates, etc. are allowed for the category 12.2 Aromatic herbs, spices, seasoninga and condiments (e.g. seasonings for instant noodles).	
Contaminants	
5.2 The products covered by this Standard shall comply with the maximum residue limits for pesticides established by the Codex Alimentarius Commission. Justification	Colombia
Colombia also recommends taking into account the control of contamination by pesticides, particularly dimethoate. Currently there are international (European)	

TEXT/COMMENT				MEMBER/OBSERVER - JUSTIFICATION
regulations for the control dimethoate.				
Food Hygiene				1
6.1 It is recommended Standard be prepared and of the General Principles of Practice for low moisture for culinary Herbs, and other rand codes of practice.	India			
Packaging				
6.3 Packaging				India
Rationale				
As per approved template	for Standards	CCSC	H	
6.3 Packaging				Colombia
Colombia recommends including PACKAGING as Section 10 because it is considered that the implementation of quality controls in packaging is very important in order to ensure safety throughout the production and marketing chain. Justification There are international regulations which require the safety and quality of packaging for this type of products, which must be harmonized for free trade.				
The packaging must not be grade and must protect th must be free from off odou 9.1 Methods of Analysis ¹	India			
9.1 Methods of Analysis ¹				USA
The eWG put together the alternative methods need t modifying the method anal Parameter Taste Strength Flavor Streng				
as picrocin				
Extraneous Matter			916.01, ISO 927 & ISO 3632-2	
Foreign Matter			960.51, ISO 927 & ISO 3632-2 965.40, ISO 927 Method V-8	
Insect Damage		Spices		
Insects/Excreta/Insect Fragr	ments:		965.40 & ISO 927	
		I	l	Colombia
9.1 Methods of Analysis ¹ Parameter	Method		Principle	
Artificial colors	AOAC 971	1.26	Spectrophotometric	
Moisture	AOAC 986	5.21	Distillation	
Adulteration	AOAC 916	5.01	Microscopy	
Sample preparation	AOAC 920	0.164	Sifting and mixing	
			becuase in Colombia, analytical ased on official AOAC Standards	
methodologies for food qu are also implemented.	anty control ii	·		
	anty control if			

TEXT/COMMENT			MEMBER/OBSERVER - JUSTIFICATION		
Colombia proposes the option Commission Regulation (EC) where the species vulnerable					
The sampling method for lotes less than one (1) Kg, weight 6					
SAMPLING PLAN 1			Colombia		
Sampling depends on the siz plan:	e of the lot: We recommen	d to follow the following			
Sampling method for spices (lots below 15 tonnes):				
In the case of lots of spices by taking between 5 and 100 the lot, resulting in an aggregathe table below may be used required.					
Lot weight (in tonnes)	Number of incremental samples	Overall sample weight (kg)			
≤ 0.01	5	0.5			
>0.01 - ≤0.1	10	1			
>0.1 - ≤0.2	15	1.5			
>0.2 - ≤0.5	20	2			
>0.5 - ≤1	30	3			
>1 - ≤2	40	4			
>2 - ≤5	60	6			
>5 - ≤10	80	8			
>10 - ≤15	100	10			
ANNEX 1 - Chemical and Ph	•				
Chemical and Physical Spe			USA		
The United States believes existing trade practices a characteristics values submitt form of the product.					
Table 1 Chemical character	istics				
Table 1: Chemical characte	Kenya				
we accept the acid insolub matter in cut filament value					
Table 1: Chemical characte	Colombia				
"Chemical characteristics:					
Colombia recommends adjus					
Gen. name Moi. %/max. As					
Saffron 15					
Rationale					
Having in account the docur Codex Committee on Spices a					

TEXT/COMMENT	MEMBER/OBSERVER - JUSTIFICATION
"The shall comply with the local and/or EU laws" (this is for the case of contaminants/residues), however, in this particular case can be evaluated if it is applicable.	
Since this is the situation, we propose to keep complying with the National Sanitary Legislation (Resolution 4241 of 1991) taking into account the agronomic particularities of the production and the technological and economic requirements demanded by the industry.	
Markers volatile oil	India
We propose to delete Maximum level (50) for Safranal.	
Rationale:	
When only one level of crocin and Picrocrocin are reflected therefore saffranal should also be reflected as minimum at 20	
Acid insoluble ash %w/w Ground powdered [1.5]	Egypt
(Markers)	Egypt
- Acid insoluble ash %w/w (Max): 1.5 (for powdered)	USA
- Markers Volatile Oil: Min 40 picrocrocin	
Table 2: Physical Characteristics for Dried Floral Parts- Saffron	
Extraneous Matter %w/w Max for filament and cut filament is [3]	Egypt
Extraneous Matter % w/w max	USA
<u>Saffron</u>	
- <u>Whole/Filament: 5</u>	
- <u>Chopped Pieces/Cut Filaments: 3</u>	
- <u>Ground: 1</u>	
Foreign Matter % w/w (max)	
Saffron	
- Whole/Filament: 1	
- <u>Chopped Pieces/cut filaments: 1</u>	
Whole:	
Japan suggests that 'Extraneous Matter' and 'Foreign Matter' should be at least decreased to the same level of BWG (CXS 326-2017) and cumin (CXS 327-2017), which is 1 % (w/w) and 0.1% (w/w) respectively. Considering the method of harvesting saffron (hand-picked and manual-sorted as dried floral parts) which is not common for other herbs and spices, contamination of extraneous matters	Japan