

## BUREAU OF INDIAN STANDARDS

### MINUTES

Name of the Sectional Committee	No. of Meeting	Day	Date	Time	Venue
Food Additives Sectional Committee, FAD 8	19 <sup>th</sup>	Tuesday	25 April 2023	10:30 AM	Online Meeting

**Chairperson:**

Dr. Yogeshwar Shukla  
Chief Scientist & Professor, AcSIR  
Food, Drug & Chemical Toxicology Group,  
Indian Institute of Toxicology Research,  
Lucknow - 226001

**Member Secretary:**

Kuldeep Mittal  
Scientist 'B'  
Food & Agriculture Department  
Bureau of Indian Standards  
New Delhi - 110002

The list of participants is enclosed in Annex I (page 8).

#### ITEM 0 GENERAL

##### 0.1 Opening Remarks by the Chairman

Dr. Yogeshwar Shukla, Chairman, FAD 8 extended a warm welcome to the members of the Committee to its 19th meeting. In his opening remarks, Dr. Yogeshwar Shukla emphasized active participation of all members in the work of the committee and urged them to deliberate on the various issues in the agenda in a pro-active and fruitful manner and respond within the stipulated time so that meaningful decisions could be taken and various draft standards finalized.

#### ITEM 1 CONFIRMATION OF THE MINUTES OF THE EIGHTEENTH MEETING

There being no comments, the committee confirmed the minutes of the 18<sup>th</sup> meeting of Food Additives Sectional Committee, FAD 8 held online on 2 March 2022 circulated vide email dated 5 April 2022 without any modifications.

#### ITEM 2 SCOPE, ACTIVITIES & COMPOSITION OF FAD 8

##### 2.1 SCOPE & PROGRAMME OF WORK OF THE COMMITTEE

The committee noted the information provided under Item 2.1 of agenda regarding updated scope & programme of work of 'Food Additives Sectional Committee', FAD 8

##### 2.2 COMPOSITION OF THE SECTIONAL COMMITTEE

2.2.1 The committee noted the updated composition of FAD 8 as enclosed in Annex II of the agenda.

2.2.2 The committee reviewed the composition of FAD 8 along with the attendance of members in last 3 committee meetings, as provided in Annex II of the agenda, and decided to recommend withdrawal of

membership (to FADC) of the following organizations from FAD 8 on account of non-participation and non-interest in the work of the committee.

- a) Department of Chemical Technology, University of Calcutta
- b) Indian Salt Manufacturers Association, Ahmedabad

**2.2.3** The committee decided to seek the updated nominations from Food Safety and Standards Authority of India, New Delhi in Food Additives Sectional Committee, FAD 8.

### **ITEM 3 ITEM 3 INDIAN STANDARDS PUBLISHED**

**3.1** The committee noted the information placed under agenda item 3.1.

### **ITEM 4 FINALISATION OF DRAFT INDIAN STANDARDS**

#### **4.1 Doc. No. FAD 8(19719)C Draft Revision of IS 11913 : 1986 Specification for Tert - Butylhydroquinone (TBHQ)**

As no comments have been received on the document placed under agenda item 4.1, the committee finalized the document for publication in its 19<sup>th</sup> meeting held on 25 April 2023.

#### **4.2 Doc. No. FAD 8(19720)C Draft Revision of IS 2697 : 1976 Specification for ammonium bicarbonate for food industry**

As no comments have been received on the document placed under agenda item 4.2, the committee finalized the document for publication in its 19<sup>th</sup> meeting held on 25 April 2023.

#### **4.3 Doc. No. FAD 8(19716)C Draft Revision of IS 2962 : 1964 Methods of sampling and test for kattha**

As no comments have been received on the document placed under agenda item 4.3, the committee finalized the document for publication in its 19<sup>th</sup> meeting held on 25 April 2023.

#### **4.4 Doc. No. FAD 8(19774)C Draft Revision of IS 5056 : 1969 Common names for coal tar food colours**

As no comments have been received on the document placed under agenda item 4.4, the committee finalized the document for publication in its 19<sup>th</sup> meeting held on 25 April 2023.

#### **4.5 Doc. No. FAD 8(18327)C Draft Revision of IS 13186 : 1991 Citric acid, food grade – Specification**

In 19<sup>th</sup> meeting of FAD 8, the committee discussed on the comments received on IS 13186 : 1991 placed at Annex VIII of the agenda. The decision of the committee is placed below:



Decision on IS  
13186.docx

The committee requested Ms. Mamta Arora from CII to provide the clarification in favour of their comment placed at Sl. No. 4 within 15 days. The committee decided to discuss the comments received from Ms. Arora in the next meeting of FAD 8. Further, the committee decided that in case no comments are received,

the document may be sent into publication by incorporating the comments placed at Sl. No. 1 to 8 (except at Sl. No. 4).

## ITEM 5 APPROVAL OF DRAFT STANDARDS FOR WIDE CIRCULATION

5.1 In 19<sup>th</sup> meeting, the committee deliberated on the documents placed under agenda item 5.1 in detail.

The list of the documents and the decision of the committee is as under:

Sl. No.	IS No.	Title	Decision of the committee
1.	IS 1694 : 1994	Tartrazine, food grade - Specification ( <i>Second Revision</i> )	<p>a) The committee approved the recommendation provided by FAD 8/Panel I and decided to remove <b>Cl 3.2 – “Free from Contaminants”</b> from each standards. Also, as per the recommendation of the panel, the committee decided to add the limits for mercury, copper and chromium as per FSSAI regulation and limits for organic compounds other than colouring matters (0.5% Max) and unsulfonated primary aromatic amines (0.01% Max) as per JECFA Monograph (2011) in Table 1 of these Indian Standards.</p> <p>b) The committee approved the recommendation provided by FAD 8/Panel I and decided to add the limit of cadmium as 1 ppm Maximum in Table 1 of these Indian Standards.</p> <p>c) The committee approved the recommendation provided by FAD 8/Panel I and decided to remove the requirement of heavy metal from Table 1 of these Indian Standards.</p> <p>d) The committee approved the recommendation provided by FAD 8/Panel I and decided to change the limit of lead from 10 ppm Max to 2 ppm Max in all those Indian Standards where limit is given as 10 ppm out of Indian Standards listed.</p>
2.	IS 1695 : 2014	Sunset yellow, FCF, food grade - Specification ( <i>Third Revision</i> )	
3.	IS 1697 : 1994	Erythrosine, food grade - Specification ( <i>Second Revision</i> )	
4.	IS 1698 : 1994	Indigo carmine, food grade - Specification ( <i>Second Revision</i> )	
5.	IS 2558 : 1994	Ponceau 4R, food grade - Specification ( <i>Second Revision</i> )	
6.	IS 2923 : 1995	Carmoisine, food grade - Specification ( <i>Second Revision</i> )	
7.	IS 6022 : 1994	Fast green FCF, food grade specification ( <i>Second Revision</i> )	
8.	IS 6406 : 1994	Brilliant blue FCF, food grade - Specification ( <i>Second Revision</i> )	

			Further, the committee decided to send all these documents in wide circulation for 60 days for public comments.
9.	IS 6386 : 1971	Beta-APO-8 – Carotenal, food grade – Specification	a) The committee approved the recommendation provided by FAD 8/Panel I and decided to change the limit of lead from 10 ppm Max to 2 ppm Max in line with FSSAI regulation IS 6386 and IS 7260.
10.	IS 7260 : 1974	Ethyl Ester of Beta- Apo-8 - Carotenoic Acid, food grade	b) The committee approved the recommendation provided by FAD 8/Panel I and decided to remove the requirement of melting range in IS 6386 and IS 7260.  c) The committee approved the recommendation provided by FAD 8/Panel I and decided to incorporate the spectrometric method for determination of purity of the substance in place of existing method in IS 6386 and IS 7260 in line with JECFA Monograph.  d) The committee approved the recommendation provided by FAD 8/Panel I and decided to incorporate the requirement of subsidiary colouring matters in Table 1 of IS 6386 and IS 7260 in line with JECFA Monograph.  Further, the committee decided to send all these documents in wide circulation for 60 days for public comments.
11.	IS 6405 : 1971	Specification for canthaxanthine food grade	a) The committee approved the recommendation provided by FAD 8/Panel I and decided to change the limit of lead from 10 ppm Max to 2 ppm Max.
12.	IS 6797 : 1972	Methyl Ester of Beta-Apo-8 - Carotenoic Acid, food grade	b) The committee approved the recommendation provided by FAD 8/Panel I and decided to remove the requirement of melting range in IS 6405 & IS 6797.

			<p>c) The committee approved the recommendation provided by FAD 8/Panel I and decided to incorporate the spectrometric method for determination of purity of the substance in place of existing method in IS 6405 and IS 6797 in line with EU directives.</p> <p>d) The committee approved the recommendation provided by FAD 8/Panel I and decided to incorporate the requirement of subsidiary colouring matters in Table 1 of IS 6405 and IS 6797 in line with EU directives.</p> <p>Further, the committee decided to send all these documents in wide circulation for 60 days for public comments.</p>
13.	IS 7584 : 1975	Specification for reference food colour boxes	The committee recommended the withdrawal of “IS 7584 : 1975 - Specification for reference food colour boxes” to Food and Agriculture Division Council.

## 5.2 Review of IS 7224: 2006 Indian Standard for Iodized salt, vacuum evaporated iodized salt and refined iodized salt

In 18th meeting of FAD 8 held on 2 March 2022, the comments received on the preliminary draft of draft revision of IS 7224 : 2006 were placed before the committee as given at agenda item 4.1, Sl. No. 5 of 18<sup>th</sup> meeting. The committee deliberated on the comments in detail. The comments received and the decision of the committee are placed at **Annex IX** and **Annex X** of the agenda.

Further, the committee requested Dr. Priti Amritkar from Envirocare lab to provide the ICP-OES method for determination of arsenic as per Annex L of IS 7224. The ICP-OES method for determination of arsenic along with lead received from Dr. Priti Amritkar is placed below:

In 19<sup>th</sup> meeting of FAD 8, the committee decided to circulate the method among the committee members, BIS laboratory and salt manufacturer to seek the inputs. Also, the committee decided to discuss the comments received on the document in the next meeting of FAD 8.

## 5.3 Review of IS 9953 : :1981, Glycerol Monostearate – First Revision

The committee, in its previous meetings took up the task of harmonization of Indian Standards with JECFA and FSSAI. In line with this, revision of IS 9953:1981 was also taken up.

After following the due procedure, P-draft and WC-draft of the document was circulated. Since no comments were received, the committee approved the draft document for publication in its 13th meeting. The finalized draft is placed at **Annex XI** of the agenda.

In the 17th meeting, the committee deliberated on the agenda. Dr. N. Ram from VR Foods Pvt. Ltd. suggested that since M/s Fine Organics Industries Ltd. is one of the largest manufacturers of Glyceryl Monostearate, comments may be sought for them. The committee decided that the document is to be sent to M/s Fine Organics Industries Ltd. for their comments within a month.

The comments were received from the manufacturer and these were discussed in the 18<sup>th</sup> meeting of FAD 8 as placed under agenda item 4.1, Sl. No. 9 of 18<sup>th</sup> meeting.

The decision of the committee is placed at **Annex XII** of the agenda.

As per the Annex XII, the committee decided to seek the clarification from the manufacturer and BIS lab on the comments received from the manufacturer.

As per the decision of the committee, the inputs were sought from the manufacturer and BIS labs but the inputs are awaited.

In 19<sup>th</sup> meeting, the committee decided to circulate Annex XI in wide circulation for 60 days. The comments received on the document may be discussed in the next meeting of FAD 8.

## **ITEM 6 COMMENTS ON INDIAN STANDARDS**

### **6.1 Comments on IS 16232: 2014, Indian Standard on Iron fortified Iodized Salt (Double Fortified Salt) — Food Grade — Specification**

In 19<sup>th</sup> meeting, the committee deliberated on the agenda item 6.1 in detail on the comments received on above document. The committee discussed that many queries are being received from the manufacturers and BIS labs regarding the test methods given in IS 16232 and decided to constitute a new panel to discuss the document and to resolve the comments appropriately. The committee directed BIS Secretariat to communicate with the committee members and the experts from the manufacturer to be the members of the panel. The committee decided that the approval of the convener and the composition of the panel may be taken in the next meeting of FAD 8.

## **ITEM 7 NEW WORK ITEM PROPOSAL**

**7.1** In 19<sup>th</sup> meeting, the committee deliberated on the agenda item 7.1 and noted that the working draft of KALA NAMAK is awaited from the manufacturer who proposed the specification for formulation of Indian Standards. The committee directed BIS Secretariat to seek the working draft from the manufacturer and decided to circulate the document as preliminary draft for 30 days among the committee members to receive the inputs.

**7.2** In 19<sup>th</sup> meeting, the committee deliberated on the agenda item 7.2 and noted that the new proposal on acetic acid, food grade received from Dr. N. Ram is circulated among the committee members as working draft to receive the comments. The committee decided to discuss the comment received on the document in the next meeting of the committee.

## **ITEM 8 REVIEW OF INDIAN STANDARDS**

**8.1** The committee noted that following Indian Standards are due for review in 2023-24 as per Item 8.1 of the agenda. The committee decided to reaffirm the Indian Standards while simultaneously requesting the

members to examine these standards for proposing any modification, if required. BIS Secretariat was requested to circulate these Indian Standards to members for providing the comments within a month:

Sl. No.	IS No.	Title
1.	IS 10502 : 2018	Guar gum, food grade - Specification (Second Revision)
2.	IS 16873 : 2018	Cassia gum, food grade - Specification

## **ITEM 9 PANELWISE PROGRESS REPORT**

### **9.1 FAD 8/ Panel I**

**9.1.1** The committee noted the information given under agenda item 9.1.

### **9.2 FAD 8/ Panel II**

**9.2.1** The committee noted the information given under agenda item 9.2.

### **9.3 FAD 8/Panel III**

**9.3.1** The committee noted the information given under agenda item 9.3. The committee directed the BIS Secretariat to seek the inputs from manufacturer as per decision taken in the third meeting of FAD 8/Panel III. Further, the committee requested the convener to conduct the next meeting of the panel as soon as the response from the manufacturer is received. Also, the committee decided to incorporate the changes that would be decided by the panel may be incorporated in the document which is already in publication.

## **ITEM 10 TIME AND PLACE FOR NEXT MEETING**

**10.1** The committee decided to hold the next meeting of Food Additives Sectional Committee, FAD 8 in July 2022.

## Annex I

### Attendance of 19<sup>th</sup> Meeting of FAD 8

<b>Sl. No.</b>	<b>Member</b>	<b>Organisation</b>	<b>Email Id</b>
1.	Dr. Yogeshwar Shukla ( <i>Chairperson</i> )	<u>CSIR - Indian Institute of Toxicology Research, Lucknow</u>	<a href="mailto:yshukla@iitr.res.in">yshukla@iitr.res.in</a>
2.	Mr. Krishna Kumar Joshi	<u>All India Food Processors Association, New Delhi</u>	<a href="mailto:krishnakumar.joshi@itc.in">krishnakumar.joshi@itc.in</a>
3.	Dr. Jasvir Singh	<u>Confederation of Indian Food Trade and Industry, New Delhi</u>	<a href="mailto:jasvir.singh@iff.com">jasvir.singh@iff.com</a>
4.	Ms. Mamta Arora Budhiraja	<u>Confederation of Indian Industry, New Delhi</u>	<a href="mailto:mamta.arora@pepsico.com">mamta.arora@pepsico.com</a>
5.	Ms. Varsha Yadav	<u>Confederation of Indian Food Trade and Industry, New Delhi</u>	<a href="mailto:cifti.bis@ficci.com">cifti.bis@ficci.com</a>
6.	Dr. Sitaram Dixit	<u>Consumer Guidance Society of India, Mumbai</u>	<a href="mailto:sitaram.dixit@gmail.com">sitaram.dixit@gmail.com</a>
7.	Dr. J Padmaja	<u>ICMR - National Institute of Nutrition, Hyderabad</u>	<a href="mailto:jprambabu@yahoo.com">jprambabu@yahoo.com</a>
8.	Dr Uday S. Annapure	<u>Institute of Chemical Technology, Department of Oils, Oleochemicals and Surfactants Technology, Mumbai</u>	<a href="mailto:udayannapure@gmail.com">udayannapure@gmail.com</a>
9.	Dr. N. Ram	<u>VR Food Tech Private Limited, Mumbai</u>	<a href="mailto:n.ram@vrfoodtech.com">n.ram@vrfoodtech.com</a>
10.	Sh. Kuldeep Mittal	Bureau of Indian Standards	<a href="mailto:fad8@bis.gov.in">fad8@bis.gov.in</a>