

BUREAU OF INDIAN STANDARDS

MINUTES

Name of the Committee	No. of Meeting	Day	Date	Time	Venue
Food Additives Sectional Committee, FAD 8	23 rd	Tuesday	27 August 2024	1100 hrs	Hybrid Meeting

CHAIRPERSON:

Professor Dr. Uday S. Annapure (FMASc)
Director and Senior Professor
Institute of Chemical Technology (ICT)
Marathwada Campus, Jalna

MEMBER SECRETARY:

Mr. Kuldeep Mittal
Scientist-B,
Food & Agriculture Deptt.
Bureau of Indian Standards
New Delhi

ATTENDANCE – Annex I (*see* page 6)

ITEM 0 GENERAL

0.1 Welcome by Member Secretary

Sh. Kuldeep Mittal, Member Secretary, FAD 8 extended a warm welcome to newly appointed Chairperson Dr. Uday S. Annapure and all the committee members. He thanked the Chairperson for chairing the Committee in light of his vast experience. Member Secretary also thanked all the members for their valuable inputs and cooperation and urged members to actively deliberate on the various issues in the agenda.

0.2 Opening Remarks by the Chairman

Dr. Uday S. Annapure, Chairman, FAD 8 extended a warm welcome to the members of the Committee to its 23rd meeting. In his opening remarks, Dr. Annapure expressed his gratitude for being the chairperson of the committee. He 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 22nd MEETING

1.1 The committee confirmed the minutes of 22nd meeting of the Food Additives Sectional Committee, FAD 8 without any modification.

ITEM 2 SCOPE, ACTIVITIES & COMPOSITION OF FAD 8

2.1 The Committee noted the scope and programme of work of the Food Additives Sectional Committee, FAD 8 provided under Annex I.

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2.2 The committee noted the composition of FAD 8 along with the participation of the committee members in last three meetings provided under Annex II.

ITEM 3 DOCUMENT PUBLISHED

3.1 The Committee noted the information under agenda item 3.1.

ITEM 4 FINALISATION OF DRAFT INDIAN STANDARDS

4.1 The Committee deliberated on agenda item 4.1 and since there being no comments, the Committee finalized the following documents for publication:

Sl. No.	Doc No.	Title
1.	FAD 08(22273)WC	Acesulfame potassium, food grade - Specification (Amendment – 1 to IS 15970)
2.	FAD 08(22900)WC	Glacial acetic acid, food grade - Specification
3.	FAD 08(24998)WC	Dicalcium phosphate food grade - Specification (First Revision of IS 9970)
4.	FAD 08(25001)WC	Sodium propionate food grade - Specification (Second Revision of IS 6030)
5.	FAD 08(25003)WC	Saccharin food grade - Specification (Third Revision of IS 6385)
6.	FAD 08(25085)WC	Sodium saccharin food grade - Specification (third revision of IS 5345)
7.	FAD 08(25086)WC	Calcium saccharin food grade - Specification (third revision of IS 5709)
8.	FAD 08(25099)WC	Sorbitol powder, food grade - Specification (Second Revision of IS 4750)
9.	FAD 08(25100)WC	Sorbic acid, food grade - Specification (First Revision of IS 4818)
10.	FAD 08(25262)WC	Trisodium citrate food grade - Specification (second revision of IS 5058)
11.	FAD 08(25276)WC	Potassium nitrite, food grade - Specification (second revision of 5057)
12.	FAD 08(25277)WC	Butylated hydroxyanisole food grade - Specification (second revision of 5343)
13.	FAD 08(25278)WC	Lecithin food grade - Specification (second revision of IS 5055)

4.2 The Committee deliberated on agenda item 4.1 and since the following documents have not completed the WC stage yet, the Committee decided to wait for receiving the comments till last date. In case no comments are received, the Committee directed the BIS Secretariat to send these documents in publication after approval of Chairperson, FAD 8:

Sl. No.	Doc No.	Title	Last date of comments
1.	FAD 08(26358)WC	Fumaric acid food grade - Specification (second revision of IS 6793)	10 October 2024

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2.	FAD 08(26359)WC	Sodium tartrate food grade - Specification (<i>second revision of IS 5708</i>)	10 October 2024
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4.3 Review of IS 7224: 2006 Indian Standard for Iodized salt, vacuum evaporated iodized salt and refined iodized salt

The Committee deliberated on the comments received from Patna Branch Office Lab of BIS and CIFTI-FICCI provided under agenda item 4.2. The decision of the committee is provided under Annex II.

ITEM 5 DRAFT INDIAN STANDARDS FOR WIDE CIRCULATION

5.1 The Committee deliberated on agenda item 5.1 in detail and decided as under:

Sl No.	IS No.	Title	Recommendation of the panel
1.	IS 8356 : 1993	Titanium dioxide, food grade – Specification (<i>first revision</i>)	<p>The Committee approved the recommendation of the panel and decided to revise IS 8356 in latest style and format of Indian Standards after incorporating the following changes:</p> <ul style="list-style-type: none">a) To align the limit of soluble barium compound (Max, 3 ppm) with FSSAIb) To align the limit of lead (Max, 2 ppm) with FSSAIc) To incorporate the limit of aluminium (Max, 1 ppm) in line with FSSAId) To incorporate the limit of cadmium (Max, 0.5 ppm) in line with JECFA. <p>Further, the Committee decided to issue the draft revision of IS 8356 in wide circulation for a period of 60 days for public comments.</p>
2.	IS 4467 : 1996	Caramel – Specification (<i>second revision</i>)	<p>The Committee approved the recommendation of the panel and decided to revise IS 4467 : 1996 ‘Caramel – Specification (<i>second revision</i>)’ in latest style and format of Indian Standards without any technical modification. Further, the Committee decided to issue the draft revision of IS 4467 in wide circulation for a period of 60 days for public comments.</p>

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3.	IS 6795 : 2007	Acacia (Arabic) gum, food grade – Specification (<i>first revision</i>)	The Committee approved the recommendation of the panel and decided to align the limits of lead (Max, 3 ppm) and arsenic (Max, 2 ppm) with FSSAI. Further, the Committee decided to issue the draft revision of IS 6795 in wide circulation for a period of 60 days for public comments.
4.	IS 6120 : 1971	Method of test for total dye content in food colour preparations	The Committee approved the recommendation of the panel and decided to revise IS 6120 : 1971 ‘Method of test for total dye content in food colour preparations’ in latest style and format of Indian Standards without any technical modifications. Further, the Committee decided to issue the draft revision of IS 6120 in wide circulation for a period of 60 days for public comments.
5.	IS 2557 : 1994	Annatto colour for food products – Specification (<i>first revision</i>)	The Committee approved the recommendation of the panel and decided to revise IS 2557 : 1994 ‘Annatto colour for food products – Specification (<i>first revision</i>)’ in latest style and format of Indian Standards without any technical modifications. Further, the Committee decided to issue the draft revision of IS 2557 in wide circulation for a period of 60 days for public comments.

ITEM 6 REVIEW OF INDIAN STANDARDS

6.1 The Committee examined the list of pre-2000 Indian Standards provided under agenda item 6.1. The Committee requested FAD 8/Panel I and FAD 8/Panel II to expedite the work and provide the final recommendation on pre-2000 Indian Standards that are allocated to them in next committee meeting. Further, the Committee directed the BIS Secretariat to circulate the following remaining pre-2000 (excluding the standards that are allocated to the panels) among the Committee members for inviting comments:

Sl. No.	IS No.	Title
1.	IS 6022 : 1994	Fast green FCF food grade specification Second Revision
2.	IS B7905 : 1996	Calcium Alginate Food Grade Specification
3.	IS 7928 : 1993	Alginic acid food grade - Specification First Revision
4.	IS 10563 : 1983	Specification for mineral oil food grade

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5.	IS 11686 : 1997	Isopropyl alcohol food grade - Specification First Revision
6.	IS 12342 (Part 1) : 1988	Specification for raw seaweeds Part 1 agarophytes
7.	IS 12342 (Part 2) : 1988	Specification for raw seaweeds Part 2 alginophytes
8.	IS 12981 : 1991	Common salt - Iron fortified - Specification
9.	IS 13657 : 1993	Aspartame food grade - Specification
10.	IS 13658 : 1993	Polyglycrol esters of fatty acids food grade - Specification
11.	IS 13659 : 1993	Polyglycerol esters of interesterified ricinoleic acid food grade - Specification
12.	IS 13702 : 1993	Propylene glycol food grade - Specification
13.	IS 13704 : 1993	Glycerol esters of wood rosin Ester Gums food grade - Specification
14.	IS 14123 : 1994	Sodium ascorbate food grade specification
15.	IS 14124 : 1994	Malic acid food grade - Specification
16.	IS 14125 : 1994	DL - Tartaric acid food grade - Specification

ITEM 7 PANELWISE PROGRESS REPORT

7.1 The Committee noted the information provided under agenda item 7.1.

7.2 The Committee noted the information provided under agenda item 7.2.

ITEM 8 TIME AND PLACE FOR THE NEXT MEETING

8.1 The Committee decided to conduct its next meeting in last week of November 2024 after consulting with Chairperson.

ANNEX I
ATTENDANCE SHEET

Twenty-Third (23rd) Meeting of Food Additives Sectional, FAD 08

Date: 27 August 2024

Venue: BIS HQ, New Delhi

Sl. No.	Organisation	Representative
1.	CSIR-Indian Institute of Chemical Technology, Hyderabad	Uday S. Annapure* <i>(Chairperson)</i>
2.	Bose Institute, Kolkata	Prof. Gaourisankar Sa
3.	CSIR-Central Food Technological Research Institute, Mysore	Dr. Aruna Kumar
4.	Confederation of Indian Food Trade and Industry, New Delhi	i) Ms. Perna ii) Dr. Jasvir Singh
5.	Confederation of Indian Industry, New Delhi	Ms. Mamta Arora Budhiraja
6.	Consumer Guidance Society of India, Mumbai	Dr. Sitaram Dixit
7.	Indian Institute of Chemical Technology, Hyderabad	Dr. T. Kumaraguru
8.	Indian Salt Manufacturers Association, Ahmedabad	Mr. Ketan Trivedi
9.	Protein Foods and Nutrition Development Association of India, Mumbai	i) Dr. Shashank Bhalkar ii) Mr. Nikhil Kamat
10.	Roha Dye Chem Private Limited, Mumbai	i) Mr. Zainulabidin I Dhanse ii) Swapnil Patil
11.	VR Food Tech Private Limited, Mumbai	i) Dr. Ashlesha Parchure ii) Dr. N. Ram

**Attended the meeting through PHYSICAL MODE*

ANNEX II
DECISION OF THE COMMITTEE

1. Decision of the committee on comments received from Patna Branch Office Lab of BIS

S r. N o.	Lab	Clause/Sub Clause No.	Parag raph No.	Type of Comment (General/Techn ical/Editorial)	Comments/Suggestions along with Justification for the proposed change	Proposed change/M odified wordings	Documentary evidence/referenc e/Citations, if any, for proposed change	Decision of the committee
1	PBL	Clause 4.3	Table 1, sl no x	Technical	1) Alternate test method for the testing of requirement of Lead in Salt through ICP-MS may be introduced.	Alternate test method for the testing of requirement of Lead in Salt through ICP-MS may be introduced.	1) Documentary evidence in the form of tested results and Interlab Comparision data will be submitted. Trials being done at Patna Branch Laboratory.	The committee accepted the comment and requested Dr. Priti Amritkar from Envirocare Lab to provide the ICP-MS method

2. Decision of the committee on comments received from Patna Branch Office Lab of BIS

Sl. No.	Clause/Subclause/ para/table/fig. no. commented	Type of Comments (General/ Editorial/ Technical)	Justification	Proposed change	Decision of the committee

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<p>1.</p>	<p>4.2-Particle Size</p> <p>For iodized salt, minimum 95 percent by mass of the material shall pass through 4.00 mm IS sieve. For refined iodized salt, minimum 95 percent of the material shall pass through 1 mm IS sieve and not more than 10 percent by mass shall pass through 150 micron IS sieve.</p>	<p>Technical</p>	<p>(1) There are two types of iodized salt prevalent in our country (i) Crystal salt, (ii) Powdered Salt.</p> <p>(2) Particle size of Crystal salt is greater than 4 mm and this provision is restrict FBOs to go for BIS certification.</p> <p>(3) As per FSSAI standards for edible common salt (2.9.31 od FSSRs (FPS&FA)), particle size is not mandatory.</p>	<p>To omit the requirement for Particle size for Salt</p> <p>4.2-Partiele Size</p> <p>For iodized salt, minimum 95 percent by mass of the material shall pass through 4.00 mm IS sieve. For refined iodized salt, minimum 95 percent of the material shall pass through 1 mm IS sieve and not more than 10 percent by mass shall pass through 150 micron IS sieve.</p>	<p>The Committee requested the manufacturer to provide a proper justification with data that the deletion of requirement for particle size does not have any adverse effect on the users. The feedback received from the concerned may be discussed in the next meeting.</p>						
<p>2.</p>	<p>5 PACKING AND MARKING Table 1 Requirements for Refined Iodized Salt, Vacuum Evaporated Iodized Salt and Iodized Salt</p>	<p>Technical</p>	<p>(1) Shelf life of Refined Iodized Salt /Vacuum Evaporated Iodized Salt varies from 12-18 months and moisture limit of</p>	<p>Request to revise the limits as below</p> <table border="1" data-bbox="1272 1157 1787 1377"> <thead> <tr> <th data-bbox="1272 1157 1344 1377">Sl. No</th> <th data-bbox="1344 1157 1568 1377">Characteristic</th> <th data-bbox="1568 1157 1787 1377">Requirements – Refined Iodized Salt /Vacuum Evaporated Iodized Salt</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Sl. No	Characteristic	Requirements – Refined Iodized Salt /Vacuum Evaporated Iodized Salt				<p>The Committee requested the manufacturer to provide a proper justification with data that the change in requirement of</p>
Sl. No	Characteristic	Requirements – Refined Iodized Salt /Vacuum Evaporated Iodized Salt									

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Sl. No.	Characteristic	Requirements – Refined Iodized Salt /Vacuum Evaporated Iodized Salt				
i.	Moisture content, % by mass, Max.	0.5	<p>max. 0.5% is stringent and not possible to comply throughout the shelf life of these products. We request to revise the limit of moisture as Max.1.0%.</p> <p>(2) Limits of Water insoluble matter, Chloride content (as NaCl) and Matter soluble in water other than sodium chloride on dry basis are Max.1%, Min.98.5% and Max.1% respectively, whereas the sum of these components is 100.5% on dry basis.</p>	<p>i. Moisture content, % by mass, Max.</p> <p>iii. Chloride content (as NaCl), percent by mass, on dry basis, Min</p>	<p>0.5 1.0</p> <p>98.5 98.0</p>	<p>moisture content and chloride content do not have any adverse effect on the users. The feedback received from the concerned may be discussed in the next meeting.</p>
ii.	Water insoluble matter, percent by mass, on dry basis, Max	1.0				
iii.	Chloride content (as NaCl), percent by mass, on dry basis, Min	98.5				
iv.	Matter soluble in water other than sodium chloride, percent by mass, on dry basis, Max	1.0				

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			We request to revise the limit of Chloride content (as NaCl), percent by mass, on dry basis as Min 98.0%.		
3.	4.1.1 Refined Iodized Salt	Technical	Insertion of the statement “anticaking agents as permitted under the Food Safety and Standards Act, 2006 and Rules and Regulations framed thereunder” under section 4.1.1 Refined Iodized Salt.	Similar to the statement given under section 4.1.2 Vacuum Evaporated Iodized Salt. Further to bring in the uniformity in providing the allowances of addition of anticaking agents.	The committee decided to circulate the comment among the committee members for inviting the inputs on the comment.
4.	4.1.1 Refined Iodized Salt	Technical	“Refined iodized salt is solar rock salt” to be corrected as following: “Refined iodized salt is solar salt or rock salt”	Front slash (/) or oblique doesn’t define it precisely the kind of salt sources of derivatives. Therefore, insertion of word “or” gives clear definition of the source of salt being derived from, i.e either of it.	The committee decided to circulate the comment among the committee members for inviting the inputs on the comment.

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5.	4.1.1 Refined Iodized Salt	Technical	<p>Deletion of word “or” and insertion of word “and” in the following sentence.</p> <p>It shall be free from visible contamination with clay, grit or and other extraneous adulterants or and impurities.</p>	<p>“or” provides the option for the presence of contaminants, instead it has to be, “and” which is inclusive of other extraneous matters as well.</p> <p>This is in line with Food Safety and Standards (Food Products Standards and Food Additives) Regulation, 2011; Chapter 2.9 (Salt, Spices, Condiments and related products); Section 2.9.30 Edible common salt</p>	<p>The committee decided to circulate the comment among the committee members for inviting the inputs on the comment.</p>
6.	4.1.2 Vacuum Evaporated Iodized Salt	Editorial	<p>coating with permitted anticaking agents as permitted under the Food Safety and Standards Act, 2006 and Rules and Regulations framed thereunder</p>	<p>Delete the word “permitted” as it is a repetition in the statement.</p>	<p>Accepted</p>
7.	4.1.2 Vacuum Evaporated Iodized Salt	Technical	<p>Deletion of word “or” and insertion of word “and” in the following sentence.</p> <p>It shall be free from visible</p>	<p>“or” provides the option for the presence of contaminants, instead it has to be, “and” which is inclusive of other extraneous matters as well.</p> <p>This is in line with Food Safety and Standards (Food Products Standards and Food Additives) Regulation, 2011;</p>	<p>The committee decided to circulate the comment among the committee members for inviting the</p>

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			contamination with clay, grit or and other extraneous adulterants or and impurities.	Chapter 2.9 (Salt, Spices, Condiments and related products); Section 2.9.30 Edible common salt	inputs on the comment.
8.	4.1.3 Iodized Salt	Technical	<p>“Refined iodized salt is solar rock salt” to be corrected as following:</p> <p>“Refined iodized salt is solar salt or rock salt”</p>	<p>Front slash (/) or oblique doesn’t define it precisely the kind of salt sources of derivatives.</p> <p>Therefore, insertion of word “or” gives clear definition of the source of salt being derived from, i.e either of it.</p>	The committee decided to circulate the comment among the committee members for inviting the inputs on the comment.
9.	4.1.3 Iodized Salt	Technical	<p>Deletion of word “or” and insertion of word “and” in the following sentence.</p> <p>It shall be free from visible contamination with clay, grit or and other extraneous adulterants or and impurities.</p>	<p>“or” provides the option for the presence of contaminants, instead it has to be, “and” which is inclusive of other extraneous matters as well.</p> <p>This is in line with Food Safety and Standards (Food Products Standards and Food Additives) Regulation, 2011; Chapter 2.9 (Salt, Spices, Condiments and related products); Section 2.9.30 Edible common salt</p>	The committee decided to circulate the comment among the committee members for inviting the inputs on the comment.

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10.	4.1.3 Iodized Salt	Technical	<p>Deletion of word “and” and insertion of word “or” in the following sentence.</p> <p>Material shall be a crystalline solid, white or pale pink and or light grey in colour</p>	<p>Replacing word “and” with “or” gives the provision for having either of the shades and colours of the material as mentioned in the standard.</p> <p>This is in line with Food Safety and Standards (Food Products Standards and Food Additives) Regulation, 2011; Chapter 2.9 (Salt, Spices, Condiments and related products); Section 2.9.30 Edible common salt</p>	<p>The committee decided to circulate the comment among the committee members for inviting the inputs on the comment.</p>
11.	4.1.3 Iodized Salt	Technical	<p>Insertion of the statement “anticaking agents as permitted under the Food Safety and Standards Act, 2006 and Rules and Regulations framed thereunder” under section 4.1.3 Iodized Salt</p>	<p>Similar to the statement given under section 4.1.2 Vacuum Evaporated Iodized Salt.</p> <p>Further to bring in the uniformity in providing the allowances of addition of anticaking agents.</p>	<p>The committee decided to circulate the comment among the committee members for inviting the inputs on the comment.</p>
12.	Table 1 Column “Requirements”	Editorial	<p>Serial no. (3) shall be moved to the top of the column from the bottom to align with other serial numbers</p>	<p>Uniformity</p>	<p>The committee decided to circulate the comment among the committee members for inviting the</p>

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					inputs on the comment.
13.	Table 1 Column “Requirements”	Editorial	Serial no. (4) shall be moved to the top of the column from the bottom to align with other serial numbers	Uniformity	The committee decided to circulate the comment among the committee members for inviting the inputs on the comment.
14.	Table 1 Serial no. viii Iodine content	Technical	Insertion of “on dry basis” in the content. Iodine content, on dry basis , ppm	Insertion of Unit of Expression is to bring alignment with Food Safety and Standards (Fortification of Foods) Regulations, 2018; Schedule-I; Section (1) and (2).	The committee decided to circulate the comment among the committee members for inviting the inputs on the comment.
15.	Table 1 Serial no. x Lead	Technical	Deletion of 2.5 under column (4) Iodized Salt The maximum limit for Lead (ppm) should be	Contaminant values cannot be defined as two different limits under various standards. This needs to be brought in alignment with Food Safety and Standards	The committee decided to circulate the comment among the committee members for inviting the

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			2.0 for both Refined Iodized Salt / Vacuum Evaporated Iodized Salt in column (3) and Iodized Salt in column (4) as defined under FSSAI norms.	(Contaminants, toxins and Residues) Regulations, 2011.	inputs on the comment.
16.	5.2 Marking 5.2.1 Serial no. d)	Technical	Deletion of Iodizing agent used	There is no such a requirement defined under FSSAI regulation. Therefore this should be in alignment with Food Safety and Standards (Labelling and Display) Regulations, 2020.	The committee decided to circulate the comment among the committee members for inviting the inputs on the comment.
17.	5.2 Marking 5.2.1 Serial no. e)	Technical	Deletion of Iodine content when packed	There is no such a requirement defined under FSSAI regulation. Therefore, this should be in alignment with Food Safety and Standards (Labelling and Display) Regulations, 2020.	The committee decided to circulate the comment among the committee members for inviting the inputs on the comment.

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18.	5.2 Marking 5.2.1 Serial no. f)	Technical	Insertion of “or Date of packaging” Date of manufacturing or Date of packaging ‘month and year’	In alignment with Food Safety and Standards (Labelling and Display) Regulations, 2020.	The committee decided to circulate the comment among the committee members for inviting the inputs on the comment.
19.	5.2 Marking 5.2.1 Serial no. g)	Technical	Deletion of Expiry date and insertion of Use by	There is no such requirement defined under Food Safety and Standards (Labelling and Display) Regulations, 2020.	The committee decided to circulate the comment among the committee members for inviting the inputs on the comment.
20.	5.2 Marking 5.2.1 Serial no. k)	Technical	Replace Food Safety and Standards (Packaging and Labelling) Regulation, 2011 with Food Safety and Standards (Labelling and Display) Regulations, 2020	Food Safety and Standards (Packaging and Labelling) Regulation, 2011 is superseded.	The committee decided to circulate the comment among the committee members for inviting the inputs on the comment.