|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the Committee** | **No. of Meeting** | **Date** | **Time** | **Venue** |
| Spices and Condiments Sectional Committee, FAD 09 | 24th | 26 September 2024  (Thursday) | 10 30 hrs | Physical Meeting  (BIS, New Delhi) |

|  |  |
| --- | --- |
| **CHAIRPERSON:**  **Dr. A.B. Rema Shree**  Director,  Spices Board India, Kochi | **MEMBER SECRETARY:**  **Ms. Lavika Singh**  Scientist-C  Food & Agriculture Department,  Bureau of Indian Standards,  New Delhi |

**Item 0 GENERAL**

* 1. **Welcome by Head, Food & Agriculture Department**
  2. **Opening Remarks by the Chairperson, FAD 09**

**ITEM 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING**

* 1. The Minutes of the 23rd meeting of Spices and Condiments Sectional Committee, FAD 09 held on 19 April 2024 were circulated vide our email dated 02 May 2024. No comments were received.

***The Committee may FORMALLY CONFIRM the minutes as circulated.***

**ITEM 2 PLANNING FOR 2024-25**

**2.1 Rolling Annual Action Plan for 2024-25**

Rolling Annual Action Plan for the year 2024-25 for FAD 09 is enclosed at Annex I for consideration.



***The Committee may FORMALLY CONFIRM the minutes as circulated.***

**2.2 Annual Calendar of Sectional Committee Meetings**

The frequency of sectional committee meetings is increased to quarterly meetings. The draft plan for FAD 09 meetings is placed below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Planned frequency (Months)** | **April 2024** | **September 2024** | **February 2025** |  |
| **4** | **19 April 2024** | **26 September 2024** | **February 2025 (CFTRI, Mysore)** | **-** |

***The Committee may kindly note and decide the dates for the meeting.***

**Item 3 SCOPE, ACTIVITIES & COMPOSITION OF FAD 09**

**3.1 Scope & Activities of the Committee**

**3.1.1** In its last meeting, the committee reviewed the Scope and Programme of Work of FAD 09 enclosed at Annex III of Agenda. The Committee noted that current scope needs clarity about the type of test methods in committee’s programme of work and rearrangement of words, since nutritional aspect is only related to spices not with culinary herbs and condiments. Therefore, in order to bring more clarity, the committee decided to mention type of test methods such as physical, chemical and microbiological methods in the scope and also mention nutritional aspect, separately. Following deliberations, the committee decided to modify the current scope and modified scope is as under:

“Standardization in the field of:

a) Spices, Culinary Herbs and condiments;

b) Nutritional aspects of spices; and

c) Physical, chemical and microbiological methods of test and general methodology for sensory evaluation pertaining to this committee”.

This scope updation was recommended to FADC in its 29th meeting held on 27 May 2024 and the same was approved by FADC. However, the updated scope is yet to be hosted on BIS website.

**3.1.2** The updated scope & activities of the Spices and Condiments Sectional Committee, FAD 09 is enclosed below as **Annex II**.



***The Committee may kindly note & deliberate.***

**3.2 Composition of the Sectional Committee**

**3.2.1** The updated composition of FAD 09 along with the attendance of the members for the last 3 meetings is enclosed below as **Annex III**.



***The Committee may kindly review.***

**3.3 Panels under FAD 09**

1. **FAD 9/Panel I** – Oleoresins

**Scope:** To review the following IS.

|  |  |
| --- | --- |
| IS 10925:1984 | Specification for turmeric oleoresin |
| [IS 7826:1984](https://www.services.bis.gov.in:8071/php/BIS_2.0/bisconnect/query_portal/Query_portal_control/show_document?ID=MTQ4NTc%3D) | Specification for ginger oleoresin |
| [IS 5832:1984](https://www.services.bis.gov.in:8071/php/BIS_2.0/bisconnect/query_portal/Query_portal_control/show_document?ID=MTI2NDA%3D) | Specification for black pepper oleoresin |
| [IS 13663:1993](https://www.services.bis.gov.in:8071/php/BIS_2.0/bisconnect/query_portal/Query_portal_control/show_document?ID=NTM0NA%3D%3D) | Chilli oleoresin - Specification |

**Composition:**

1. **Dr. M. M. Naidu, CFTRI – Convenor**
2. Sh. Ram Kumar Menon, World Spice Organization
3. Mr. Jijo Joseph, Kancor Mane, World Spice Organization
4. Sh. Kannan B., CII
5. Sh. Shibu Kumar, Synthite Industries
6. Dr. Tenson Antony, All India Spice Exporters Forum

# *The Committee may review*

**ITEM 4 REVIEW OF INDIAN STANDARDS**

**4.0** As per the provisions of the BIS rules and regulations every Indian Standard within five years of its publication/ earlier reaffirmation is to be reviewed by the concerned Sectional Committee under the following guidelines:

i) The Standard may be reaffirmed in the present form.

ii) The Standard may be reaffirmed with minor changes by issuing of an amendment.

iii) The Standard may be reaffirmed while simultaneously taking up for revision.

iv) The Standard may be withdrawn.

**4.1** Under this criterion, there are 28 Indian Standards are due for review in 2024-25, as under:

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **IS No.** | **IS Title** | **Due Date** |
|  | IS 10925 : 1984 | Specification for turmeric oleoresin | June 2024 |
|  | IS 11300 : 2011 | Spices and condiments - Caraway seeds - Specification (*first revision*) | June 2024 |
|  | IS 13145 : 2014 | Spices and condiments - Methods of sampling (*second revision*) | June 2024 |
|  | IS 13446 : 2009 | Spices and condiments - Large cardamom - Capsules and seeds - Specification (*second revision*) | June 2024 |
|  | IS 13474 : 2011 | Spices and condiments - Green pepper canned in brine - Specification (*first revision*) | June 2024 |
|  | IS 13644 : 1992 | Dry kokum - Specification | June 2024 |
|  | IS 13663 : 1993 | Chilli oleoresin - Specification | June 2024 |
|  | IS 13895 : 1994 | Spices and condiments - Tamarind powder - Specification | June 2024 |
|  | IS 15460 (Part 1) : 2004/ISO 5565-1 | Vanilla [vanilla fragrans (Salisbury) ames]: Part 1 specification | June 2024 |
|  | IS 15695 : 2006/ISO 11027 | Pepper and pepper oleoresins - Determination of piperine content - Method using high - Performance liquid chromatography | June 2024 |
|  | IS 15697 (Part 1) : 2006/ISO 7543-1 | Chillies and chilli oleoresins - Determination of total capsaicinoid content: Part 1 spectrometric method | June 2024 |
|  | IS 15697 (Part 2) : 2006/ISO 7543-2 | Chillies and chilli oleoresins - Determination of total capsaicinoid content: Part 2 method using high - Performance liquid chromatography | June 2024 |
|  | IS 15699 : 2006/ISO 7542 | Ground (Powdered) paprika (Capsicum Annum Linnaeus) - Microscopical examination | June 2024 |
|  | IS 15701 : 2006/ISO 7541 | Ground (Powdered) paprika - Determination of total natural colouring matter content | June 2024 |
|  | IS 1908 : 2020 | Spices and Condiments — Ginger, Whole and Ground — Specification (*fourth revision*) | March 2025 |
|  | IS 2323 : 2011 | Spices and condiments - Mustard, whole and ground - Specification (*second revision*) | June 2024 |
|  | IS 2443 : 2008 | Spices and condiments - Coriander, whole and ground - Specification (*third revision*) | June 2024 |
|  | IS 3796 : 2011 | Spices and condiments - Fennel seeds, whole - Specification (*second revision*) | June 2024 |
|  | IS 3797 : 2011 | Spices and condiments - Celery seeds - Specification (*second revision*) | June 2024 |
|  | IS 4452 : 2009 | Dehydrated onion - Specification (*first revision*) | June 2024 |
|  | IS 4811 : 2014 | Cinnamon whole - Specification (*second revision*) | June 2024 |
|  | IS 5452 : 2008 | Dehydrated garlic - Specification (*second revision*) | June 2024 |
|  | IS 5832 : 1984 | Specification for black pepper oleoresin (*second revision*) | June 2024 |
|  | IS 5955 : 1993 | Specification for black pepper oleoresin (*second revision*) | June 2024 |
|  | IS 6364 : 1993 | Spices and condiments - Tamarind pulp - Specification (*second revision*) | June 2024 |
|  | IS 7807 : 1975 | Methods of test for asafetida | June 2024 |
|  | IS 7826 : 1984 | Specification for ginger oleoresin (*second revision*) | June 2024 |
|  | IS 9486 : 2011 | Spices and condiments - Dehydrated green pepper - Specification (*second revision*) | June 2024 |

As decided in the previous meeting the copy of above mentioned Indian standards was circulated to all the committee members for inviting comments. Comments received from Dr. MM Naidu is attached for the below as Annex IV for review and decision to take up the revision of Indian Standard.



***The Committee may kindly review.***

**4.3 Revision of Pre 2000 Indian Standards**

**4.3.1** FAD 09 in its previous meetings, assigned the task of revision of various Pre 2000 Indian standards to various panels on priority. List of Indian Standards published prior to 2000, under FAD 09 along with the work allocation/status is mentioned below:

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **IS No.** | **IS Title** | **Allocated to** |
|  | IS 7807:1975 | Methods of test for asafoetida | R&D Project |
|  | IS 10925:1984 | Specification for turmeric oleoresin | FAD 9/Panel I |
|  | IS 7826:1984 | Specification for ginger oleoresin (*first revision*) | FAD 9/Panel I |
|  | IS 5832:1984 | Specification for black pepper oleoresin (*second revision*) | FAD 9/Panel I |
|  | IS 13663:1993 | Chilli oleoresin - Specification | FAD 9/Panel I |
|  | IS 1909 : 1992 | Indian curry powder - Specification (*first revision*) | Spices Board, Dr. Ranjith A |
|  | IS 5955 : 1993 | Spices and condiments - Tamarind concentrate - Specification (*first revision*) | Dr. M. Madhava Naidu |
|  | IS 6364 : 1993 | Spices and condiments - Tamarind pulp - Specification (*second revision*) | Dr. M. Madhava Naidu |
|  | IS 13644 : 1992 | Dry kokum - Specification | IISR, Calicut |
|  | IS 13895 : 1994 | Spices and condiments - Tamarind powder - Specification | IISR, Calicut |

However, no progress has been made on any of the allocations.

***The Committee may kindly Note & Deliberate***

**ITEM 5 R&D PROJECT TO BE TAKEN UP**

**5.1 FOR STUDY OF ASAFOETIDA FOR DETERMINING ITS QUALITY AND SAFETY PARAMETERS**

FAD 09 had taken up a R&D Project for Study of Asafoetida for determining its quality and safety parameters. Various research and academic institutions had submitted R&D proposals on the basis of Terms of Reference, prepared by FAD 09. The R&D proposals were technical reviewed in the evaluation committee of BIS, which included Dr. Nagarajan, CFTRI, Mysore and Dr. Ranjith A, Spices Board India, Kochi as representatives of FAD 09. After technical evaluation and financial bidding, the R&D Project has been awarded to IIT Kharagpur, as per details mentioned below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Project Code** | **Project Title** | **Proposer** | **Financial Proposal**  **(in lakh Rs)** | **Timeline** |
| FAD 0214 | Study of Asafoetida for determining its quality and safety parameters. | Dr Gayatri Mishra  IIT Kharagpur | 8.76 | 6 Months |

***The Committee may kindly note***

**ITEM 6 DRAFT INDIAN STANDARDS FOR FINALIZATION**

|  |  |  |
| --- | --- | --- |
| **SI. No.** | **Doc No** | **TITLE** |
| 1 | FAD 9 (24301)  (ISO 7540 : 2020) | Spices and condiments Ground sweet and hot paprika *Capsicum annuum* L and *Capsicum frutescens* L Specifications |
| 2 | FAD 9 (24303)  (ISO 7541 : 2020) | Spices and condiments Spectrophotometric determination of the extractable colour in paprika |

As decided by the committee, adoption of ISO 7540: 2020 and ISO 7541: 2020 was issued in to wide circulation on 01 December 2023 for a period of 30 days. Comments received from WSO is attached below as Annex V. FAD 09 in its last meeting decided to allocate task to review the comments from WSO for resolution to Dr. Ranjith A. However, no progress could be made on the subject. The documents are pending in Programme of Work of FAD 09 since December 2023, being an adopted ISO standard of a committee for which India holds the secretariat.



***The Committee may kindly Note & Deliberate***

**ITEM 7 ISO STANDARDS FOR ADOPTION**

**7.1 ISO 5671 : 2023 ‘Spices and condiments — Dried chive (*Allium schoenoprasum* L.), cut and ground — Specification’**

****

**7.2 ISO 20377 : 2018 ‘Dried parsley (*Petroselinum crispum*) — Specification’**

****

**7.3 ISO 21803 : 2019 ‘Dried dill — Specification’**

****

**7.4 ISO 24052 : 2022 ‘Spices and condiments — Dried sumac — Specification’**

****

**7.5 ISO 21983 : 2019 ‘Guidelines for the harvesting, transportation, separation of stigma, drying and storage of saffron before packing’**

****

***The Committee may kindly review thoroughly & Decide***

**ITEM 8 COMMENT RECEIVED ON INDIAN STANDARD**

**8.1 15697 (Part-1 ):2016 Chilli and Chilli oleoresins- Determination of Total Capsaicinoid content Part- 1 Spectrophotometric method**

The comments received from Bhagyawati Verma, Sr. Chemist, Regional Agmark Laboratory, Rajkot on IS 15697 and copy of IS 15697 are attached below as Annex XI and Annex XII, respectively.

** **

***The Committee may kindly Review thoroughly & Clarify***

**ITEM 9 INTERNATIONAL ACTIVITIES**

**9.1** BIS (India) hold the secretariat for ISO/TC 34/SC 7 ‘Spices, culinary herbs and condiments’ and Participating 'P' member in the work of the ISO Subcommittee. The scope of Scope of ISO/TC 34/SC 7 is as under:

Standardization in the field of spices, culinary herbs and condiments, in particular, terminology, sampling, methods of test and analysis, product specifications, requirements for packaging, storage and transportation.

List of published standards and standards under development under ISO/TC 34/SC 7 is attached below as Annex XIII and Annex XIV, respectively:

 

***The Committee may kindly Note.***

**9.2** The last meeting ofISO/TC 34/SC 7 along with ISO/TC 34/SC 7/ WG 7 and ISO/TC 34/SC 7/ WG 11 was held from 17 to 20 June 2024 at AFNOR, Paris. Draft resolutions of the meeting is attached below as Annex XV:



***The Committee may kindly REVIEW AND DELIBERATE upon the tasks allocated to India.***

**9.3** NWIP: Spices and Condiments — Determination of Sudan I, II, III & IV, Sudan Red 7B, Sudan Orange G, Para Red, Rhodamine B and Butter Yellow using LC-MS/MS

In 29th meeting of ISO/TC 34/SC 7 India proposed to submit an NWIP on the Method for Determination of Sudan and other illegal dyes in chillies and chilli products by LC-MS/MS. However, the subcommittee directed India to include Turmeric and Paprika, in addition to Chillies in the scope of proposed standard. Modified draft Form 4 for the subject submitted by Dr. Ramesh Babu is attached below as Annex XVI:



***The committee may kindly review & decided***

**ITEM 9 ANY OTHER BUSINESS**