

REPORT OF PARTICIPATION OF INDIAN DELEGATION IN THE PLENARY MEETINGS OF ISO/TC 34/SC 2 & SC 11 ALONG WITH THEIR WORKING GROUPS HELD DURING 22-25 OCTOBER 2024 IN MILAN, ITALY

The following Indian delegation participated in the plenary meetings of ISO/TC 34/SC 2 ‘Oleaginous seeds and fruits and oilseed meals’ and ISO/TC 34/SC 11 ‘Animal and vegetable fats and oils’ held during 23-25 October 2024 in Milan, Italy:

- i) Dr. Bhawana, Scientist D, Food and Agriculture Department, BIS (Member Secretary, Oils and Oilseeds Sectional Committee, FAD 13) – **Leader of Indian delegation**
- ii) Dr. Anubhuti Sharma, Principal Scientist, Directorate of Rapeseed and Mustard Research (DRMR), Bharatpur, Rajasthan (Member of FAD 13) (*participated through virtual mode*)

Dr. Anubhuti Sharma also attended the meeting of ISO/TC 34/SC 2/WG 2 ‘Sampling’ and ISO/TC 34/SC 11/JWG 2 ‘Classification and Description’ held on 22 October 2024 as an Indian expert through virtual mode.

The briefing meeting of Oils and Oilseeds Sectional Committee, FAD 13 was held on 15 October 2024 by virtual mode for participation of Indian Delegation in the plenary and WG meetings of ISO/TC 34/SC 2 and SC 11 meeting.

Report of participation of Indian delegation in the ISO meeting is as under:

A. Usefulness of Foreign Deputation with a Brief Description of Work Carried Out:

1) Meeting of ISO/TC 34/SC 2/WG 2 ‘Sampling of oilseeds’ (22 October 2024 @1000 hrs CET)

Delegates from Canada, France, India, Italy, UK, USA and AOCS attended the meeting of ISO/TC 34/SC 2/WG 2 ‘Sampling of oilseeds’ on 22 October 2024 @1000 hrs in Milan, Italy through hybrid mode. Dr. Anubhuti Sharma attended the WG 2 meeting as an Indian expert through virtual mode. WG 2 recommended ISO/TC 34/SC 2 to launch the CD ballot on the project prISO 21293 “Oilseeds - Automated systematic mechanical sampling in a moving stream”. WG discussed prISO 21294 “Oilseeds — Manual or automatic discontinuous sampling”. The Indian expert raised queries regarding time interval between primary sampling action, calibration of sample reduction equipment and difference between the aggregate and representative samples, which were clarified by the Project Leader. WG was of the opinion that the definitions of “lot” and “Increment sample” may not be possible to harmonize between ISO 21293 and ISO 21294. However, WG 2 recommended to harmonize the definitions of “composite sample” and “laboratory sample” in these standards. The WG recommended to study the possibility to change the title of ISO 21294 in order to have a coherence between ISO 21293 and ISO 21294. WG recommended the active registration of the project ISO 21294 in POW of SC 2 and the launching of the CD consultation. A zoom meeting of WG 2 will be held before CD consultation for suggesting the new title of ISO 21294.

2) Meeting of ISO/TC 34/SC 11/JWG 2 with SC 2: ISO/PWI 6921 “Classification and description” (22 October 2024 @1430 hrs CET)

Delegates from Australia, Canada, France, India, Iran, Italy, Malaysia, USA and AOCS attended the meeting of ISO/TC 34/SC 11/JWG 2 “Classification and description” on 22 October 2024 @1430 hrs in Milan, Italy through hybrid mode. Dr. Anubhuti Sharma attended the JWG 2 meeting as an Indian expert through virtual mode. The Convenor, Dr Zahra Piravi (Iran) explained the summary of project prISO 6921 “Animal and vegetable edible fats and oils – Classification and description” and informed that the Scope and format of the project was agreed via a CIB ballot with the following agreed format for each oil type:

- Scientific nomenclature
- Short description
- Main fatty acid and triacylglycerol composition
- Main minor components

Dr. Anubhuti Sharma (India) raised India’s concern that the working draft should check any duplicity of codex standards. She submitted that criteria for fats and oil inclusion in this draft should be specific i.e. whether it is edible or not. Project leader explained that it is edible only. Accordingly, non-edible fats were removed from the draft. With the suggestion of Indian expert, JWG 2 recommended that total oil percent is to be mentioned in definition/description of all the oils to maintain uniformity. Dr. Anubhuti Sharma suggested to add a pictorial diagram at the start of the document to illustrate the different types of sources of fats and oils and to mention the source of information. She further suggested that the title “Animal and Vegetable Fats and Oils - Classification and Description” may need to be revisited.

JWG members expressed concern that for each oil type new varieties with varying fatty acid compositions are developed and it will be challenging to keep the Standard up to date with these new emerging varieties.

JWG 2 recommended that the working draft should be revised taking into account the comments made during the meeting and that it will be circulated for another WD consultation to the expert group. The experts’ group will decide after the next WD consultation whether it should progress for the CD Consultation.

3) Plenary Meeting of ISO/TC 34/SC 2 ‘Oleaginous Seeds and Fruits and Oilseed Meals’ (23 October 2024):

Delegations from Australia, Canada, China, France, Hungary, India, Iran, Italy, Malaysia, Netherlands, Tanzania, Uganda, U.K. and USA attended the meeting. Representatives of three liaison organizations [Federation of Oils, Seeds and Fats Associations (FOSFA) and American Oil Chemists' Society (AOCS)] and one Subcommittee (ISO/TC 34/SC 11) attended the meeting.

The Chairperson, Dr. Benjamin BEUDAERT (acting chair) opened the meeting and welcomed the delegates.

The agenda document (Doc. ISO/TC 34/SC 2 N 1123) was adopted as such without any change. Resolutions Drafting Committee was constituted comprising of Ms. Clémence Gaucher (Committee Manager), Dr. Véronique Barthet (Canada), Dr. Bhawana (BIS India) and Dr. David Robertson (UK).

Indian delegation actively participated in the discussions related to the following items, brief summary of discussions, contribution of Indian delegation along with Committee's decision is given below:

i) ISO/TC 34/SC 2/JWG 1 “Nomenclature”

JWG 1 between ISO/TC 34/SC 2 and SC 11 has been created for revision of ISO 5507 “Oilseeds, vegetable oils and fats — Nomenclature” under the Convenorship of India. BIS has nominated Dr. Pradosh P. Chakrabarti (Chairperson, Oils and Oilseeds Sectional Committee, FAD 13) as Convenor of ISO/TC 34/SC 2/JWG 1 from India in place of Prof. R. K. Trivedi. Decision regarding the same would be taken in the plenary meeting of SC 2 and SC 11.

ISO/TC 34/SC 2 agreed to appoint Dr. Pradosh P. Chakrabarti (India) as new Convenor of ISO/TC 34/SC 2/JWG 1 for a period of 3 years from 01/11/2024 to 31/12/2027. Dr. Bhawana (Convenor Support) updated the Committee about the progress made by the JWG. It was informed that updated draft revision of ISO 5507 incorporating the changes agreed by Convenor and PL based on the comments received on working draft has been forwarded to Committee Managers of ISO/TC 34/SC 2 and SC 11. It was further informed that the current Convenor JWG 1 (Prof. R. K. Trivedi) has recommended to progress the document to Committee Draft stage. **ISO/TC 34/SC 2 agreed to launch the CD ballot on the project prISO 5507 before the end of 2024.**

ii) ISO/TC 34/SC 2/WG 2 “Revision of ISO 542 Oilseeds – Sampling”

- Project prISO 21293 “Oilseeds — Automated Systematic Mechanical Sampling in a moving stream”
- Project prISO 21294 “Oilseeds — Manual or automatic discontinuous sampling”

Convenor ISO/TC 34/SC 2/WG 2 ‘Sampling’ presented the recommendations of WG 2 emerging from its meeting held on 22 October 2024 in Milan, Italy through hybrid mode. Dr. Anubhuti Sharma, Indian expert had participated in the WG 2 meeting through virtual mode. The Project Leader clarified the queries raised by Indian expert regarding time interval between primary sampling action, calibration of sample reduction equipment and difference between the aggregate and representative samples.

Based on the recommendation of WG 2, ISO/TC 34/SC 2 agreed to launch the CD ballot on the project prISO 21293 and pr21294.

iii) ISO/TC 34/SC 11/JWG 2 “Classification and description”

Convenor ISO/TC 34/SC 11/JWG 2 “Classification and description” presented the recommendations of JWG 2 emerging from its meeting held on 22 October 2024 in Milan, Italy through hybrid mode. Dr. Anubhuti Sharma attended the JWG 2 meeting as an Indian expert

through virtual mode. Based on the comment of Dr Anubhuti Sharma (India), non-edible fats were removed from the working draft of ISO 6921 ‘Animal and vegetable edible fats and oils – Classification and description’ and JWG 2 agreed that total oil percent should be mentioned in definition/description of all the oils to maintain uniformity. JWG 2 recommended that the working draft should be revised taking into account the comments made during the meeting and that it will be circulated for another WD consultation to JWG 2. The JWG will decide after the next WD consultation whether it should progress for the CD Consultation.

iv) Project prISO 21296 “Oilseeds — Determination of oil content by the Randall extraction method”

Due to the non-conclusive results of collaborative trial, ISO/TC 34/SC 2 decided to change the status of prISO 21296 from ISO standard to Technical Specification. Indian delegation supported the proposal. SC 2 asked the Project Leader to add a sentence on the repeatability values: “The performance of the method regarding accuracy, repeatability and reproducibility should be aligned with ISO 659. Laboratories shall ensure that these standards (accuracy, repeatability and reproducibility) are met.” and agreed to launch the DTS consultation on the project.

v) Project prISO 10565 “Oilseeds — Simultaneous determination of oil and water contents — Method using pulsed nuclear magnetic resonance spectrometry”

Considering the comment from India, ISO/TC 34/SC 2 asked the Project Leader to specify the number of scans in the draft between 16 and 32 scans. SC 2 further decided that apparatus with a volume of 40 ml minimum shall be used for sunflower, soya and safflower. SC 2 agreed to send the project prISO 10565 for DIS ballot.

vi) Project prISO 10519/DAmD 1 “Rapeseed — Determination of chlorophyll content — Spectrometric method — Amendment 1: Preparation of the calibration curve to determine the k factor”

SC 2 in its last plenary meeting approved the K factor calculation submitted by Dr. Anubhuti Sharma (India) and Dr. Veronique BARTHET (Canada) and decided to issue amendment to ISO 10519. BIS (India) has voted for approval of ISO 10519/DAmD 1. ISO/TC 34/SC 2 agreed to launch the FDIS ballot on the project prISO 10519/Amd 1. The project leader will remain Dr. Véronique BARTHET (Canada) with the support of India.

vii) ISO 9167:2019 “Rapeseed and rapeseed meals — Determination of glucosinolates content — Method using high performance liquid chromatography”

BIS (India) submitted comments on SR ballot of ISO 9167:2019 and nominated Dr. Anubhuti Sharma as Indian expert in case SC 2 decides to take up revision of the ISO Standard. The comments submitted by India were discussed in detail and SC 2 asked India to send an amended draft of ISO 9167:2019 with the suggestions of revision that will be discussed during the next meeting.

4) Plenary Meeting of ISO/TC 34/SC 11 ‘Animal and Vegetable Edible Fats and Oils (24-25 October 2024):

Delegations from Australia, Canada, China, France, Germany, Hungary, India, Iran, Italy, Malaysia, Netherlands, Switzerland, Tanzania, Uganda, U.K. and USA attended the meeting. Representatives of three liaison organizations [Federation of Oils, Seeds and Fats Associations (FOSFA), International Olive Council (IOC) and American Oil Chemists' Society (AOCS)] and one Subcommittee (ISO/TC 34/SC 2) attended the meeting.

The Chairperson, Dr. Veronique Barthet opened the meeting and welcomed the delegates.

The agenda document (Doc. ISO/TC 34/SC 11 N 1785) was adopted as such without any change.

Indian delegation actively participated in the discussions related to the following items, brief summary of discussions, contribution of Indian delegation along with Committee’s decision is given below:

i) ISO/SR 5555: 2001 ‘Animal and vegetable fats and oils — Sampling’ and ISO 5555: 2001/Amd 1:2014 ‘Animal and vegetable fats and oils — Sampling – Amendment 1: Flexitanks’

BIS has adopted ISO 5555 : 2001 in the modified form [IS 548 (Part 1/Sec 1) : 2021] which is referred in the product specifications on oils and fats and widely used by industry and laboratories in India. SR ballot for ISO 5555:2001 closed in December 2022. USA and Netherlands voted to revise and a large number of comments were received. The ISO Standard was confirmed until a Project Leader to revise the Standard could be identified. The issue was again discussed in the SC 11 meeting for taking up revision of ISO 5555 and to consider including amendment ISO 5555:2001 Amd 1:2014 (sampling for flexitanks) in the ISO 5555 sampling method so that all sampling types are found in one Standard. SC 11 agreed that there is a need to revise ISO 5555:2001. Indian delegation informed that BIS (India) has adopted ISO 5555 : 2001 with modifications and if SC 11 takes up revision of the ISO Standard, India will participate in the revision. SC 11 decided to wait for feedback from NEN (Netherlands) on whether they can propose a Project Leader by the end of 2024. If NEN is unable to propose a Project Leader, the Committee Manager will start a CIB call for nomination of a Project Leader.

ii) ISO 27608:2010 Animal and vegetable fats and oils — Determination of Lovibond® colour — Automatic method

The issue regarding concern of unreliable results given by the Lovibond automatic instruments was raised by SC 11 delegations in the last plenary meeting held in May 2023. The Committee had agreed that improving sample preparation procedures, servicing of cuvette colours and filters may improve the method. SC 11 requested member countries to further consider the issue and identify possible Project Leaders for the revision of the Standard. BIS has also commissioned an R&D project titled ‘Comparative study for the measurement of colour of vegetable oils, fats and fatty acids by manual and automatic tintometer’. Indian delegation informed SC 11 about the R&D project and submitted that BIS may share the findings of the R&D project upon its completion. SC11 decided to launch a call to form a Working Group to discuss moving forward to address the

problem with Lovibond colour measurement. SC 11 requested India to confirm by end March 2025 whether they can lead the Working Group. The WG will make recommendations at the next SC11 meeting.

iii) ISO 21846:2018 “Vegetable fats and oils – Determination of composition of triacylglycerols and composition and content of diacylglycerols by capillary gas chromatography”

UNI (Italy) detected several errors in Annex B – Results of an inter-laboratory test of ISO 21846:2018. ISO/TC 34/SC 11 agreed that a minor revision would be initiated to correct an error in Table 1, under the leadership of Italy.

iv) ISO/CD 21379 - Animal and vegetable fats and oils — Determination of dioxins and dioxin-like polychlorinated biphenyls (PCBs)

Delegations from India, Canada and USA during the last plenary meeting suggested that it may be valuable to have a GC-MS/MS based method for the determination of dioxins and dioxin-like polychlorinated biphenyls which is the current state of the art and more commonly available than HRMS. Similar issue was highlighted again in this meeting. ISO/TC 34/SC 11 noted that HRMS is not commonly used compared with GC MS-MS. SC 11 noted that an insufficient number of international participants were registered for the collaborative trial. SC 11 decided to launch an additional call for participants in the collaborative trial by end December 2024. If the criterion for international participation in the collaborative trial is not met, the project will be processed as a Technical Specification.

v) ISO/DIS 20948 Determination of aflatoxin B1, B2, G1, G2 in vegetable oils by high performance liquid chromatography and immunoaffinity column cleanup

FAD 13 is considering to develop Indian Standard for test method for determination of aflatoxin in edible oils. FARELABS had proposed an LC MS/MS method based on AOAC method for this purpose, however, the same is under consideration by FAD 13 and there are concerns regarding translating the proposed method into Indian Standard due to potential copyright issues due to its AOAC origin. DIS has been submitted for publication skipping FDIS stage. ISO 20948 once published may be considered by FAD 13 for adoption as Indian Standard.

vi) ISO/AWI 6921 Classification and description

Convenor, ISO/TC 34/SC 11/JWG 2 “Classification and description” presented the recommendations of JWG 2 emerging from its meeting held on 22 October 2024 in Milan, Italy through hybrid mode. Dr. Anubhuti Sharma attended the JWG 2 meeting as an Indian expert through virtual mode. SC 11 agreed with the recommendation made by the JWG 2 that the draft will be circulated for another WD Consultation, followed by a decision of the JWG 2 on the next step.

vii) ISO/CD 12966-4:2024 Gas chromatography of fatty acid methyl esters – Part 4: Determination by capillary gas chromatography

SC 11 had conducted a collaborative trial for ISO 12966-4. Dr. Usharani from CFTRI Mysore, India participated in the CT. Results of analysis of samples carried out by CFTRI were shared with the Project Leader. Results of CT were discussed in the SC 11 meeting. Upon enquiring with the Project Leader, it was found out that the results reported by CFTRI were amongst the outliers. Indian delegation suggested SC 11 that a discussion before the initiation of CT would be better to clarify the doubts and queries of participating laboratories so that there is no ambiguity at later stage. SC 11 members suggested that a pre-collaborative trial was organized for this purpose and no further discussions may be required at the time of CT. SC 11 advised that all the participants should join the pre-collaborative trial also so that any confusion w.r.t. protocol is eliminated before final CT. SC 11 decided that the Project Leader will update the CD and add the validation data by end January 2025. The Committee Manager will submit the updated CD directly for the DIS ballot by end March 2025.

viii) ISO/TC 34/SC 2/JWG 1 with SC11 - PWI ISO 5507 "Nomenclature"

JWG 1 between ISO/TC 34/SC 2 and SC 11 has been created for revision of ISO 5507 under the Convenorship of India. BIS has nominated Dr. Pradosh P. Chakrabarti (Chairperson, Oils and Oilseeds Sectional Committee, FAD 13) from India as Convenor of ISO/TC 34/SC 2/JWG 1 "Nomenclature" in place of Prof. R. K. Trivedi. **ISO/TC 34/SC 11 agreed to appoint Dr. Pradosh P. Chakrabarti (India) as new Convenor of ISO/TC 34/SC 2/JWG 1.** Dr. Bhawana (Convenor Support) updated the Committee about the progress made by the JWG. It was informed that updated draft revision of ISO 5507 "Oilseeds, vegetable oils and fats — Nomenclature" incorporating the changes agreed by Convenor and PL based on the comments received on working draft has been forwarded to Committee Managers of ISO/TC 34/SC 2 and SC 11. It was further informed that the current Convenor of JWG 1 (Prof. R. K. Trivedi) has recommended to progress the document to Committee Draft stage. **ISO/TC 34/SC 11 agreed to launch the CD ballot on the project prISO 5507 before the end of 2024.**

ix) ISO/TS 23647:2010 Vegetable fats and oils — Determination of wax content by gas chromatography

BIS has identically adopted ISO/TS 23647 : 2010 as Indian Standard. SC 11 has taken up revision of ISO 23647 to incorporate the changes regarding specifying stage/point till which evaporation is to be done, adding a second internal standard, the use of peristaltic pump during column elution to ensure a consistent flow rate. SC 11 had launched call for experts for participating in the revision of ISO/TS 23647. Dr. Sanjit Kanjilal, IICT, Hyderabad has been nominated as Indian expert for revision of ISO/TS 23647. SC 11 decided that the Project Leader will circulate the amended Working Draft to the experts for comments by end December 2024.

x) Pesticide residues determination in oils and fats

ISO/TC 34/SC11 has been exploring to develop ISO Standard on the subject, however, due to non-availability of a Project Leader, work has not been initiated yet. During the meeting, SC 11 Committee Manager enquired Indian delegation that during the plenary meeting of ISO/TC 34

“Food Products” held in January 2024 in Saitama, Japan, India had proposed to ISO/TC 34 to take up formulation of ISO Standard for pesticide residue analysis in food products. ISO/TC 34 agreed to launch a consultation at TC 34 level for the creation of an ad hoc group under TC 34, led by India

- to investigate on the need for ISO standards on pesticides
- to look first at what already exists (EN standards in CEN/TC275, Codex CCPR, AOAC...)
- with which approach (criteria approach versus full methods, modalities, which pesticides)

SC 11 requested Indian delegation to explore if India can lead the work related to determination of pesticide residues in oils and fats and submit a proposal in this regard for discussion in the next meeting of SC 11, if possible.

x) Determination of total chloride content in edible oils

ISO/TC 34/SC 11 agreed with Malaysia’s proposal that there is a need to develop a method to determine total chloride content in animal and vegetable fats and oils. SC11 noted that “chlorine” may be more appropriate than “chloride”, which will be further discussed. SC11 agreed that a NWIP ballot will be initiated on the subject.

xi) Next SC 2 and SC 11 meetings

As per the recommendation of FAD 13 and with approval of the Competent Authority, BIS has extended invitation to ISO/TC 34/SC 2 and SC 11 to host the next plenary and WG meetings of these ISO Subcommittees in Feb 2026 in Hyderabad, India subject to necessary Government approvals. FAD 13 during the briefing meeting held on 15 October 2024 through virtual mode decided that considering the logistics issues and necessary coordination required for organizing the meetings smoothly, BIS may explore to host the SC 2 and SC 11 meetings in Hyderabad or New Delhi. Same was informed to ISO Subcommittee during the plenary meeting. ISO/TC 34/SC 2 and SC 11 thanked India, Canada and Hungary for their offer to host the next three meetings (in 2026, 2027 and 2029, respectively). The Subcommittees agreed that the next SC 2 and SC 11 meetings will be held in India in February 2026 and that India will inform the Committee Manager on the approval status in 6 months (end April 2025). The Subcommittees suggested to avoid corresponding Codex meeting dates while fixing dates for SC 2 and SC 11 meetings.

B) Benefits Accrued to BIS

- a) Indian delegate (Dr. Bhawana) was member of resolutions drafting committee for SC 2 plenary meeting and ensured that all the decisions are appropriately recorded in the resolutions.
- b) Dr. Pradosh P. Chakrabarti, Indian Institute of Chemical Technology, Hyderabad, Chairperson FAD 13 (nominated by BIS) was appointed as new Convenor of ISO/TC 34/SC 2/JWG 1.

- c) Project prISO 5507 ‘Oilseeds, vegetable oils and fats – Nomenclature’ being revised under ISO/TC 34/SC 2/JWG 1 ‘Nomenclature’ has been approved for Committee Draft circulation.
- d) Indian expert is actively involved in ISO/TC 34/SC 2/WG 2 ‘Sampling of oilseeds’ and India’s comments are being addressed appropriately at the WG level so that ISO Standards related to sampling of oilseeds once formulated by SC 2 may be adopted as Indian Standards without the need of any modifications.
- e) Considering India’s comments submitted during SR ballot, SC 2 requested India to submit an amended draft of ISO 9167:2019 ‘Rapeseed and rapeseed meals — Determination of glucosinolates content — Method using high-performance liquid chromatography” with the suggestions of revision that will be discussed during the next meeting.
- f) India has been requested to share the findings of R&D project ‘Comparative study for the measurement of colour of vegetable oils, fats and fatty acids by manual and automatic tintometer’ commissioned by BIS and make a presentation in the next SC 11 meeting. India has been requested to lead the ad hoc group constituted under SC 11 for discussing the issues related to automatic method for determination of Lovibond colour in oils and fats.
- g) SC 11 discussed results of collaborative trial of ISO/CD 12966-4:2024 ‘Gas chromatography of fatty acid methyl esters – Part 4: Determination by capillary gas chromatography’ in which CFTRI, Mysuru had participated from India. The project has been approved for DIS ballot.
- h) Indian viewpoint was represented on various agenda items to protect India’s interests in the ISO Standards developed by ISO/TC 34/SC 2 and SC 11.
- i) ISO/TC 34/SC 2 and SC 11 warmly accepted the invitation of BIS to host the next plenary meetings of these ISO Subcommittees in India in February 2026.
- j) The meeting served as an excellent opportunity to interact with the experts of different countries working in the field of testing of oilseeds and oils and fats.

C) Conclusion and Recommendations

Based on the discussions held during the meetings and the decision taken by the Committee, following actions points are recommended by Indian delegation:

- a) BIS (India) has extended invitation to SC 2 and SC 11 to host the next plenary and WG meetings of these ISO Subcommittees in Feb 2026 in New Delhi/Hyderabad, India subject to necessary Government approvals. The Subcommittees agreed that the next SC 2 and SC 11 meetings will be held in India in February 2026. Confirmation for the same is to be sent to Committee Manager, SC 2 and SC 11 by end of April 2025.

- b) Committee Manager ISO/TC 34/SC 2 and SC 11 will launch Committee Draft consultation for prISO 5507 ‘Oilseeds, vegetable oils and fats — Nomenclature’. Meeting of JWG 1 ‘Nomenclature’ is to be convened after the CD consultation is over to resolve the comments received on the CD and progress to next stage. Meeting may be convened by virtual mode.
- c) BIS (India) needs to send an amended draft of ISO 9167:2019 “Rapeseed and rapeseed meals — Determination of glucosinolates content — Method using high performance liquid chromatography” with the suggestions of revision to ISO/TC 34/SC 2 which will be discussed during the next meeting.
- d) FAD 13 may discuss and recommend whether India can lead the working group being created under SC 11 to discuss the problem with Lovibond colour measurement. SC 11 requested India to confirm by end March 2025 whether they can lead the Working Group. The WG will make recommendations at the next SC11 meeting.
- e) SC 11 will launch NWIP ballot for test method to determine total chloride content in animal and vegetable fats and oils (Malaysia’s proposal). FAD 13 may examine the proposal and decide on India’s vote and participation in the project.
- f) Inputs may be sought from Pesticide Residues Analysis Sectional Committee, FAD 27 and Directorate of Rapeseed and Mustard Research, Bharatpur if methods are available for pesticide residue analysis in oils and fats and whether India can lead the ISO project on this subject.
- g) Inputs may be sought from CFTRI Mysore and IIOR, Hyderabad on ISO/DIS 10565 ‘Oilseeds – Simultaneous determination of oil and water contents – Method using pulsed nuclear magnetic resonance spectrometry’
- h) Indian expert (Dr. Sanjit Kanjilal, IICT, Hyderabad) may be requested to participate actively in the revision of ISO/TS 23647 ‘Vegetable fats and oils — Determination of wax content by gas chromatography’.
- i) FAD 13 may consider adoption of ISO 20948 “Determination of aflatoxin B1, B2, G1, G2 in vegetable oils by high performance liquid chromatography and immunoaffinity column cleanup” (once published) for adoption as Indian Standard.
- j) Nomination of experts for revision of ISO 5555: 2001 ‘Animal and vegetable fats and oils — Sampling’ (if taken up by the ISO Committee).