**BUREAU OF INDIAN STANDARDS**

**MINUTES**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the****Committee** | **No. of****Meeting** | **Date and Time**  | **Venue** |
| Dairy Products Sectional Committee, FAD 19 | Twenty Ninth (29th)  | 4 October 2024 (Friday)0930 hrs | Lal C. Verman Conference HallBureau of Indian StandardsManak Bhawan9, Bahadur Shah Zafar Marg, New Delhi – 110002***Through Hybrid mode*** |

**CHAIRPERSON: Dr. Dheer Singh**

Director

 National Dairy Research Institute (NDRI), Karnal

**MEMBER SECRETARY: Dr. Bhawana**

 Scientist 'D'

Food and Agriculture Department

Bureau of Indian Standards, New Delhi

**Attendance Sheet**: Please see **Annex-I** (*pg*. **14-15**)

**Addenda to agenda** circulated to FAD 19 members by email dated 3 October 2024: Enclosed as **Annex-II** (*pg*. **16-18**)

# ITEM 0 GENERAL

* 1. **Welcome by BIS**

Dr. Bhawana, Scientist D, Food and Agriculture Department, BIS (Member Secretary FAD 19) extended a warm welcome to the members to the 28th meeting of Dairy Products Sectional Committee, FAD 19 and apprised the members about the progress of work done in FAD 19 since its last meeting.

**0.2 Welcome and Opening Remarks by the Chairperson, FAD 19**

Dr. Dheer Singh, Chairperson FAD 19 extended a warm welcome to the members of the Committee to its 29th meeting and emphasized on the crucial role of research and development work to collect scientific data and evidence to support the standardization activity. The Chairperson urged the members for fruitful and amicable discussions on the issues mentioned in the agenda.

**0.3** Due to exigency of work, Dr. Dheer Singh, Chairperson FAD 19 had to leave the meeting after concluding discussions from Item 1 to Item 4.2.1. With concurrence of Chairperson FAD 19, the Committee unanimously elected Dr. Vivek Sharma, Principal Scientist & Head, Dairy Chemistry Division, NDRI, Karnal as ad hoc Chairperson for the meeting to guide the discussions for the subsequent agenda items.

**ITEM 1 CONFIRMATION OF THE MINUTES OF THE 28TH MEETING OF FAD 19**

**1.1** There being no comments, the Committee confirmed the Minutes of the 28th Meeting of Dairy Products Sectional Committee, FAD 19 held on 19 March 2024 through virtual mode, circulated through BIS portal on 20 May 2024.

**ITEM 2 SCOPE AND ACTIVITIES OF THE SECTIONAL COMMITTEE**

The Committee noted the revised scope and activities of Dairy Products Sectional Committee, FAD 19 as given in Annex-I of agenda. The representative from CIFTI raised query regarding the activities of FAD 19 subsequent to the decision taken during the meeting of Group of Ministers held regarding rationalization of standardization and certification agencies in the food sector in the country, according to which FSSAI should be nominated as the nodal agency responsible for all the food commodities related standards. In this regard, it was informed that a number of Indian Standards under FAD 19 are under BIS certification and several dairies have been certified against Indian Standards, apart from the 9 Indian Standards of FAD 19 covered under mandatory BIS certification through FSSAI Regulations. It is thus imperative that the Indian Standards remain updated as per the current practices including technological advancements and test methods, therefore, role of FAD 19 in review and revision of Indian Standards for dairy sector is very important.

# ITEM 3 COMPOSITION OF THE SECTIONAL COMMITTEE

**3.1** The Committee reviewed the updated composition of FAD 19 along with the attendance of the members for the last 3 meetings as enclosed at Annex-II of agenda. BIS Secretariat informed that as per the latest directions issued by DG BIS, a member remaining absent from two consecutive meetings of the SC and/or fifty percent or more meetings of the SC in a year shall automatically become disqualified to continue as the member of the SC; unless on receiving a representation to this effect, the DC decides upon the recommendation of the SC concerned to condone the absence in view of his/her invaluable contribution to the SC. The Committee accordingly recommended to FADC to consider withdrawal of membership of the following member organizations from FAD 19 since they were absent in two or more consecutive meetings of the Committee:

1. Rajasthan Co-operative Dairy Federation, Jaipur
2. Tamil Nadu Co-operative Milk Producers Federation Limited, Chennai

**3.2** The Committee considered the information given under Item 3.2 of agenda and reviewed the scope and composition of the Panels under FAD 19 as given at Annex-III of agenda. BIS Secretariat informed that CIFTI-FICCI has requested to replace Ms. Shreya Pandey as member in FAD 19-FAD 24 Joint Panel X ‘Infant Foods’ in place of Dr. Anirudha Chhonkar. The Committee agreed to CIFTI’s request and decided to co-opt Ms. Shreya Pandey (CIFTI) in place of Dr. Anirudha Chhonkar.

**ITEM 4 DRAFTS PROPOSED FOR WIDE CIRCULATION**

**4.1 Revision of Indian Standard(s) on Skimmed Milk Powder and Partly Skimmed Milk Powder**

The Committee examined the draft revision of IS 13334 (Part 1) ‘Skimmed milk powder – Specification Part 1 Standard Grade’, IS 13334 (Part 2) ‘Skimmed milk powder – Specification Part 2 Extra Grade’ and IS 14542 ‘Partly Skimmed milk powder – Specification’ have been prepared, enclosed as Annex-IV, Annex-V and Annex-VI of agenda, respectively, submitted by FAD 19/Panel IV ‘Dairy Products’. The Committee decided to approve these draft Indian Standards for wide circulation for 60 days for comments, with approval of Chairperson FAD 19, also incorporating the changes as per the Committee’s decision under **Item 4.2.2** below.

**4.2 Amendments to Indian Standards for Referencing of Latest Indian Standards for Microbiological Test Methods in Dairy Product Standards**

**4.2.1** The Committee noted the information given under Item 4.2.1 of agenda.

**4.2.2** The Committeeconsidered information given under Item 4.2.2 of agenda regarding the recommendations emerging from the meetingsofFAD 19/Panel IV held on 9 August 2024, Joint meeting of FAD 19/Panel IX ‘Bacteriological analysis of milk’ and Panel XIII ‘Traditional Indian Dairy Products’ held on 20 August 2024, meeting of FAD 19-FAD 24 Joint Panel X ‘Infant Foods’ held on 5 Sept 2024 and meeting of FAD 19/Panel IX held on 26 Sept 2024. **The Committee agreed to the Panel’s recommendations and additionally decided as under:**

1. The Committee noted that calculation of concentration factor is given in Table 3 ‘Limits of Heavy Metals and Other Contaminants or Toxic Substances’ IS 1165 : 2022 ‘Whole milk powder – Specification (sixth revision)’ and has also been proposed to be included in the draft revision of IS 13334 Part 1, Part 2 and IS 14542. The Committee was of the opinion that it is difficult to calculate the total solids of source milk and that the concentration factor may be deduced from the mandatory requirement given in the labelling clause “*The contents of this container on reconstitution as per the directions have ....litre(s) toned milk*”. The Committee decided to request FAD 19/Panel IV ‘Dairy Products’ to recommend change in the calculation/definition of concentration factor based on the above information to be marked on the label, and same may be incorporated in IS 1165 : 2022 through amendment and draft revision of IS 13334 Part 1, Part 2 and IS 14542.
2. The Panel considered the concern raised by NDDB regarding limits of Arsenic content proposed indraft revision of IS 13334 Part 1, Part 2 and IS 14542. After detailed deliberations, the Committee decided to retain the proposed limit of Arsenic content in these standards and additionally specify the maximum limit of as 1.1 ppm (specified for Foods not specified category in the FSSAI Regulations) so that the limit does not violate the maximum limit of Arsenic content specified for “Foods not specified” category in the *Food Safety and Standards (Contaminants, toxins and Residues) Regulations*, 2011. Further, the Committee decided to specify limits of other heavy metals also apart from lead and arsenic in IS 1165 and draft revision of IS 13334 Part 1, Part 2 and IS 14542, as per the limit specified for “Foods not specified” category in the *Food Safety and Standards (Contaminants, toxins and Residues) Regulations*, 2011.
3. The Committee decided to request FAD 19/Panel XIII ‘Traditional Indian Dairy Products’ and Panel IX ‘Bacteriological analysis of milk’ to review the microbiological requirements specified in IS 4079 : 2023 ‘*Packed Rasogolla* − Specification (*first revision*)’ and IS 11602 : 2023 ‘Packed *Gulab jamun* − Specification (*first revision*)’ whether separate microbiological requirements are needed for *rasogolla/gulab jamun* balls and sugar syrup are required or these may be specified for the whole product (both the balls and syrup together). The Committee decided that the joint recommendations of FAD 19/Panel XIII and Panel IX regarding the changes to be incorporated in IS 4079 : 2023 and IS 11602 : 2023 would be put up to FAD 19 for Committee’s consideration.
4. Considering the concern raised by industry representatives against the incorporation of limit of *E. coli* in IS 14433 : 2022 ‘Infant Milk Substitutes — Specification (*Second Revision*)’ and IS 17945 : 2022 ‘Food for Special Medical Purpose Intended for Infants — Specification’ in the proposed draft amendments to these standards, the Committee decided to refer the issue to FAD 19/Panel IX ‘Bacteriological analysis of milk’. It was further decided that Panel’s recommendations would be put up to Chairperson FAD 19 and suitable change (if any) in the draft amendments would be made in the draft amendments with approval of Chairperson FAD 19 considering the recommendations of Panel IX, before issuing these documents into wide circulation.

**4.2.3** The Committee considered Item 4.2.3 of agenda and examined the draft amendments to Indian Standards on dairy products enclosed at Annex-XI of agenda. The Committee decided to issue draft amendments [except for IS 4079 : 2023 ‘Packed *Rasogolla* − Specification (*first revision*)’ and IS 11602 : 2023 ‘Packed *Gulab jamun* − Specification (*first revision*)’] into wide circulation for 60 days with the changes as agreed under **Item 4.2.2** above, with the approval of Chairperson FAD 19.

**4.3 Adoption of ISO 22662:2024 ‘Milk and milk products − Determination of lactose content by high-performance liquid chromatography (reference method)’ as Indian Standard**

The Committee considered the information given under Item 4.3 of agenda regarding proposal of adoption of ISO 22662:2024 ‘Milk and milk products − Determination of lactose content by high-performance liquid chromatography (reference method)’ as Indian Standard, which may be referred in IS 17945:2022 'Food specified for special medical purpose − Specification' for determination of lactose content. CIFTI representative informed that the scope of ISO 22662:2024 clearly states that “*The method does not apply to fermented milks and milks to which oligosaccharides have been added, nor to low-lactose or lactose-free milks*” and thus the method can not be used for determination of lactose content in lactose free infant formula as per IS 17945:2022. Considering the same, the Committee decided to defer adoption of ISO 22662 : 2024 as Indian Standard. **The Committee further requested FAD 19 members to share the method used by them for determination of lactose content in lactose free or low lactose foods.** It was decided that the information provided by members would be considered in the next meeting for development of Indian Standard for test method for determination of lactose content in lactose free or low lactose foods, which once developed may be referred in IS 17945 : 2022.

**ITEM 5 RECOMMENDATIONS OF FAD 19-FAD 24 JOINT PANEL X REGARDING ISSUES RELATED TO INDIAN STANDARDS ON INFANT FOODS REFERRED TO THE PANEL**

**5.1** The Committee considered the information given under Item 5 of agenda and considered the recommendations emerging from the 11th and 12th meeting of FAD 19-FAD 24 Joint Panel X ‘Infant foods’ held on 5 Sept 2024 and 25 Sept 2024, respectively, as given in the record note of these meetings (Annex-IX and Annex-X of agenda), regarding the representation received from Nutrimed Healthcare Private Limited, Faridabad against dry blending and packing method for infant formula.

**5.2** The Committee agreed with the Panel’s recommendation that as long as the final product (infant food) is complying with the microbiological requirements specified in the respective standard, it is not needed to specify or put any restriction on the mode of production, and hence, no change is required in in the Indian Standards for infant foods in this regard. The Committee further approved Panel’s recommendation that a note may be added in all the infant food standards that the raw materials used in the manufacture of these products shall not carry any food additive not permitted in the product, in order to ensure that food additives from milk powder used as a raw material/ingredient in the manufacture of infant foods are not carried over to the final product i.e. infant food. The Committee further considered the recommendation of Joint Panel X to FAD 19 based on the proposal of BIS Secretariat to develop an Indian Standard on ‘Code of hygienic practices for infant food manufacturing units’ for which IS 2491 ‘Food hygiene — General principles — Code of practice (*fourth revision*)’ may be used as a base document and provisions specific to infant foods manufacturing units may be added at suitable places. The Committee considered the objections raised by infant food industry against the proposal and after deliberating in detail on the issue, decided that guidance may be sought from Chairperson FAD 19 to decide future course of action on the issue. The Committee requested Joint Panel X to brainstorm on the proposal keeping in view the guidance/suggestion of Chairperson FAD 19 and submit recommendations for consideration of FAD 19.

**5.3** The Committee requested the industry representatives to submit the data on added sugar content, regulations for infant foods enforced in other countries and need for addition of sugars in the products wherever sucrose or fructose are being added in the products as per the timelines given by the Panel. The Committee requested Joint Panel X to examine the inputs given by industry and submit its recommendations regarding the limit of usage of sucrose and fructose specified in the Indian Standards on infant foods at the earliest for consideration of FAD 19.

# ITEM 6 ACTIONS ARISING FROM 28TH MEETING OF FAD 19

**6.1** Committee’s decision on the status with regard to the decisions taken during the 28th meeting of FAD 19 held on 19 March 2024 is as under:

| **Sl.****No.** | **Ref. Clause in minutes of 28th meeting of FAD 19 & Decision of the Committee** | **Action taken/ Status** | **Committee’s decision** |
| --- | --- | --- | --- |
| 1. | **Item 7.5 Comments received on IS 4079 : 2023 ‘Packed Rasogolla − Specification (*first revision*)’**The Committee considered the comments on IS 4079 : 2023 received from Eastern Regional Office Laboratory, Kolkata of BIS and decided to refer the comments to FAD 19/Panel XIII ‘Traditional Indian Dairy Products’ to make recommendations for consideration of FAD 19.  | The Comments were discussed during the Joint meeting of FAD 19/Panel IX and Panel XIII held on 20 August 2024 through webex. Panels’ recommendations on the comments are given in the record note of Panel meeting, enclosed as Annex-VIII of agenda. | The Committee agreed with the Panel’s recommendations. The Committee requested BIS Secretariat to update the draft amendment to IS 4079 : 2023 (as enclosed in Annex-XI of agenda) incorporating the changes as per the joint recommendations submitted by FAD 19/ Panel XIII and Panel IX and the changes regarding the microbiological requirements [to be suggested by both panels, please also see Committee’s decision at **Item 4.2.2 Sl. No. (iii)** above]. It was decided that the updated draft amendment would be put up to FAD 19 in its next meeting for Committee’s consideration. |
| 2. | **Item 7.6 Comments received on IS 11602 : 2023 Packed Gulab Jamun − Specification (*first revision*)**The Committee considered the comments on IS 11602 : 2023 received from Eastern Regional Office Laboratory, Kolkata of BIS and decided to refer the comments to FAD 19/Panel XIII ‘Traditional Indian Dairy Products’ to make recommendations for consideration of FAD 19.  | The Comments were discussed during the Joint meeting of FAD 19/Panel IX and Panel XIII held on 20 August 2024 through webex. Panels’ recommendations on the comments are given in the record note of Panel meeting, enclosed as Annex-VIII of agenda. | The Committee agreed with the Panel’s recommendations. The Committee requested BIS Secretariat to update the draft amendment to IS 11602 : 2023 (as enclosed in Annex-XI of agenda) incorporating the changes as per the joint recommendations submitted by FAD 19/ Panel XIII and Panel IX and the changes regarding the microbiological requirements [to be suggested by both panels, please also see Committee’s decision at **Item 4.2.2 Sl. No. (iii)** above]. It was decided that the updated draft amendment would be put up to FAD 19 in its next meeting for Committee’s consideration. |
| 3. | **Item 8 Sl. No. 5 Harmonization of Indian Standards on Dairy Products with FSSAI Regulations**The Committee requested FAD 19/Panel XIII to resolve the issues related to IS 16326 ‘Ghee’ and submit the draft revision/recommendations to FAD 19 for consideration. | The issue is still not resolved. | BIS Secretariat informed the Committee that revision of IS 16326 ‘Ghee – Specification’ is still under consideration of FAD 19/Panel XIII ‘Traditional Indian Dairy Products’. It was informed to the Committee that FSSAI Scientific Panel is currently examining the data submitted by GCMMF on the use of ISO 17678:2019 ‘Milk and milk products — Determination of milk fat purity by gas chromatographic analysis of triglycerides’ for milk. The Committee requested FAD 19/ Panel VI ‘Test Methods for Dairy Products’ to examine the issue and make recommendations to FAD 19 w.r.t. applicability of ISO 17678:2019 for mixed milk and bovine milk other than cow milk. |
| 4. | **Item 8 Sl. No. 6** **Formulation of Indian Standard for 'Portable kit for detection of common adulterants in milk'**The Committee requested Dr. Rajan Sharma to discuss with Mrs. Shabnam Chopra (retired from PCDF Lucknow) and Dr. Rajiv Chawla from CALF Anand on the issue and submit joint recommendations to FAD 19 how to proceed regarding formulation of Indian Standard (guidelines/ specifications) for portable kit for detection of common adulterants in milk. | Dr. Rajan Sharma has submitted following inputs:*Various milk adulteration kits (liquid based, paper based etc) are available in the market working on different principles. It may also be noted that most of the information is either proprietary or patented and commercial interests are there. In view of this, formulating a single guideline is difficult and may not be of much use.* CALF NDDB has endorsed views of Dr. Rajan Sharma. | The Committee considered the inputs received from Dr. Rajan Sharma and decided to drop the work item. The Committee further decided to archive IS 3864 : 1966 ‘Specification for mobile kit for milk testing’ considering that many new adulterants are now being used and updating the kit requirements based on these would be challenging.  |
| 5. | **Item 8 Sl. No. 7** **Ash Content in Skimmed Milk Powder [IS 13334 (Part 1): 2014 & IS 13334 (Part 2): 2014]** The Committee requested BIS Secretariat to again seek update from FSSAI in this regard. Further, the Committee requested FAD 19/Panel IV to again deliberate on the subject and make recommendations to FAD 19 for resolving the issue. | No further update has been received from FSSAI in this regard.Meeting of FAD 19/Panel IV is scheduled on 3 October 2024 to discuss the issue. Panel’s recommendations would be tabled during the meeting. | The Committee considered the recommendations emerging from Eighth meeting of FAD 19/ Panel IV held on 3 October 2024 through virtual mode, record note of which was circulated as Annex-XVIII in the addenda to agenda. The Committee endorsed the recommendations of Panel and requested BIS Secretariat to seek requisite inputs/data from the identified industries as recommended by the Panel. The Committee further decided to request the Convenor Panel IV to expedite submission of Panel’s recommendations on the issue. The Committee agreed with panel’s recommendation that for the purpose of uniformity, the ash content value may be expressed as % by mass on a moisture and fat-free (SNF) basis as in FSSAI Regulations. The Committee decided to incorporate the above change in the draft revision of IS 13334 Parts 1 & 2 and IS 14542 approved for wide circulation (please see Committee’s at **Item 4.2.2 Sl. No. (i) and (ii)].** |
| 6. | **Item 9.5** **Review of Indian Standards on Code of Hygienic Practices for Dairy Sector** The Committee requested Convenor, FAD 19/Panel XV **‘**Review of Indian Standards on code of hygienic practices for dairy sector**’** to expedite the task assigned to the panel and convene an early meeting to prepare draft revision of IS 5839 ‘Food hygiene − Code of practice for manufacture, storage and sale of ice cream’, IS 7005 ‘Code for hygienic conditions for production, processing, transportation and distribution of milk’ and IS 10974 ‘Code for hygienic conditions for production, transport, storage and distribution of milk products’ (amalgamating all the 5 parts into single standard)’ for wide circulation purpose.  | Meetings of Panel XV were convened on 17 May 2024 and 11 July 2024 through virtual mode.Panel’s recommendations are given in the record note of meetings, enclosed as Annex-XIII and Annex-XIV of agenda. | The Committee approved the recommendations emerging from first and second meeting of FAD 19/Panel XV that IS 7005 ‘Code for hygienic conditions for production, processing, transportation and distribution of milk’ may be revised using CAC/RCP 57-2004 ‘Code of Hygienic Practice for Milk and Milk Products’ as base document and making suitable modifications deriving assistance from the Indian Standards on Code of Hygienic Practices for Dairy Industry [IS 5839 : 2000, IS 7005 : 1973 and IS 10974 (Parts 1 to 5) : 1984. The Committee requested the Panel Convenor to expedite submission of working draft of revision of IS 7005 prepared as per the above recommendation. |

**6.2 Pending Issues from the 28th Meeting of FAD 19 held on 19 March 2024 for discussion in future meetings**

The Committee considered the information given under Item 6.2 of agenda regarding the pending issues arising from the 28th meeting of FAD 19. The Committee requested the FAD 19 members and BIS Secretariat to expedite completion of actions on these items as per the earlier decisions of FAD 19 and earmarked these items for discussion in the future meetings of FAD 19.

**ITEM 7 COMMENTS RECEIVED ON INDIAN STANDARDS UNDER FAD 19**

**7.1 Comments on IS 1165 : 2022 ‘Whole Milk Powder – Specification (sixth revision)’**

The Committee considered the representation received from Lactalis India, Chennai and Schreiber Dynamix Dairies Private Limited, Pune as enclosed at Annex-XV and Annex-XVI of agenda, regarding shelf life of whole milk powder specified in Clause 4.3.2 of IS 1165 : 2022. The Committee after detailed deliberations expressed the opinion that there seem to be confusion regarding the statement/text of this clause. The Committee decided to refer the representations to FAD 19/Panel IV ‘Dairy Products’ to review these vis-à-vis text of Clause 4.3.2 of IS 1165 : 2022 and recommend necessary changes in the standard for consideration of FAD 19. It was further decided that the modification suggested by Panel IV would be incorporated in the draft amendment to IS 1165 : 2022 being issued into wide circulation [please also see Committee’s decision at **Item 4.2.2 Sl. No. (i) & (ii) and Item 4.2.3**].

**7.2 Comments Received from Central Laboratory, Sahibabad, BIS**

The Committee considered the comments submitted by Central Laboratory, Sahibabad, BIS on Indian Standards under FAD 19, enclosed at Annex-XVII of agenda. Regarding the comment on microbiological requirements specified in IS 14433 : 2022, BIS Secretariat informed that the issue has already been referred to Food Microbiology Sectional Committee, FAD 31. The Committee decided that based on the recommendation of FAD 31, decision would be taken in this regard. The Committee agreed to the comment of CL regarding need to incorporate calculation for requirement per 100 g in IS 17945 : 2022 ‘Food for Special Medical Purpose Intended for Infants — Specification’ and decided to incorporate a note in Table 1 of IS 17945 : 2022 incorporating formula for conversion of Requirement per 100 kcal to per 100 g. Further, the Committee decided to mention in IS 14433 : 2022 that the requirement of Total protein is applicable for Type II Infant milk substitute only. The Committee decided that these changes would be incorporated in the draft amendments to IS 14433 : 2022 and IS 17945 : 2022 being issued into wide circulation [please also see Committee’s decision at **Item 4.2.2 Sl. No. (iv) and Item 4.2.3**].

**7.3 Comments Received on IS 18678 : 2024 Drinks Based on Fermented Milk – Specification’**

The Committee considered the comments emerging from Manak Manthan programme on IS 18678 : 2024 ‘Drinks Based on Fermented Milk – Specification’ organized by Madurai Branch Office, BIS on 6 June 2024, given under Item 7.3 of agenda and decided as under:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Clause No.** | **Comment** | **Proposed Change** | **Committee’s decision** |
|  | Table 1 | Total solids requirement can be added so as to categorize the different range of fermented milk product | Total solids requirement can be added | Not agreed. Total solids content may differ depending on the source milk/ source fermented milk. Fixing total solids content for the final content may therefore not be practically feasible. |
|  | Table 1 (ii) | Method of Test, Ref to 12 (14 in IS) of IS 1479 (Part 1) | Method of Test, Ref to 12 (14 in IS) of IS 1479 (Part 1) | Agreed |
|  | Table 1 (ii) | The maximum limit of Titratable acidity can also be added in the requirement; this may aid in maintaining *p*H | Range of the Titratable acidity may be fixed | Not agreed. Titratable acidity may differ depending on the source milk/ source fermented milk. Fixing Titratable acidity for the final content may therefore not be practically feasible. |
|  | Table 1 (iii) | Total sugar requirement can be added as the added sugar level cannot be tested by the internal labs | Total sugar requirement can be added | The Committee decided to refer the comment to FAD 19/Panel XIII to resolve the comment and make recommendations for consideration of FAD 19. |

**7.4 BIS Secretariat Observations on Indian Standards under FAD 19**

**7.4.1 IS 13690 : 2021 ‘Butter — Specification (*first revision*)**

The Committee considered Item 7.4.1 of agenda regarding the comments of BIS Secretariat on Requirement of milk solids not fat or curd specified in Table 1 of IS 13690 : 2021. The Committee endorsed the comment that MSNF and curd in butter are same. The Committee therefore decided to delete the requirement of curd from the standard. The Committee decided that the agreed change would be incorporated in the draft amendment to IS 13690 : 2021 being issued into wide circulation (please also see Committee’s decision at **Item 4.2.3**).

**7.4.2 IS 14433 : 2022 ‘Infant milk substitutes – Specification (*second revision*)’**

The Committee considered the information given under Item 7.4.2 of agenda regarding the observation of BIS Secretariat that as per the *Food Safety and Standards (Foods for Infant Nutrition) Regulations*, 2020, “Infant formula may contain L(+) lactic acid producing bacteria with prior approval of the Food Authority”. Currently, in IS 14433 : 2022, lactic acid bacteria is permitted to be used as a food additive (acidity regulator) only.BIS Secretariat informed that Indian Standard on infant formula (IS 14433 : 2022) is under mandatory BIS certification and queries regarding coverage of infant formula containing lactic acid bacteria cultures as probiotics have been referred to BIS by Customs Department. The Committee decided to refer the issue to FAD 19-FAD 24 Joint Panel X to examine the issue thoroughly and make recommendations to FAD 19 for Committee’s consideration.

**ITEM 8 INTERNATIONAL ACTIVITIES**

**8.1** The Committee noted the information given under Item 8.1 and 8.2 of agenda.

**8.2** The Committee reviewed the list of projects under development in ISO/TC 34/SC 5 ‘Milk and Milk Products’ given under Item 8.3 of agenda and decided to authorize Chairperson FAD 19 to assign priorities to these projects (High/Medium/Low) considering their importance from India’s viewpoint. It was further decided that Chairperson would designate suitable expert(s) from FAD 19 and its panels for the projects with High and Medium priorities, who would be the custodian for these ISO documents from India and review these documents thoroughly at all stages and submit comments to frame India’s stand for voting on ISO ballots on these subjects.

**ITEM 9 ANNUAL CALENDAR OF TECHNICAL COMMITTEE MEETINGS**

The Committee in its last meeting decided to schedule its meeting in third week of February 2025 in NDRI, Karnal.

**ITEM 10 ANY OTHER BUSINESS**

There being no other business, the Committee ended with a vote of thanks to the Chair and members.

**ANNEX-I**

**ATTENDANCE SHEET**

**29th Meeting of Dairy Products Sectional Committee, FAD 19**

**Date:** 4 October 2024  **Venue:** BIS, New Delhi

**Mode:** Hybrid Mode

| **Sl. No.** | **Organization** | **Representative** |
| --- | --- | --- |
|  | National Dairy Research Institute, Karnal | Dr. Dheer Singh\*(***Chairperson***) |
|  | All India Food Processors’ Association, New Delhi | Mr. Vijay Gaur |
| Mr. Kumar Kalpam |
|  | Bihar State Milk Cooperative Federation Limited, Patna | Ms. Jaya Mala Kumari |
|  | Confederation of Indian Food Trade and Industry, New Delhi | Dr. Anirudha K. Chhonkar |
| Ms. Shreya Pandey |
|  | Confederation of Indian Industry, New Delhi | Ms. Arti G. Shankar |
| Ms. Neha Agarwal |
|  | Envirocare Laboratories Private Limited, Thane | Dr. Priti Amritkar\* |
|  | Export Inspection Council of India, New Delhi | Mr. Kumar Narender |
|  | Gujarat Cooperative Milk Marketing Federation Limited, Anand | Mr. Sameer Saxena |
| Mr. Sayan Banerjee |
|  | Indian Dairy Association, New Delhi | Mr. Aditya Jain |
|  | In Personal Capacity | Dr. B. Surendranath |
|  | Karnataka Co-operative Milk Producer's Federation, Bengaluru | Mr. Rajshekharamurthy M. |
| Mr. Vanisri D. S.  |
|  | Ministry of Fisheries, Animal Husbandry and Dairying, Department of Animal Husbandry and Dairying, New Delhi | Mr. Ajith Kumar K. |
|  | Mother Dairy Fruit and Vegetable Private Limited, Noida | Ms. Nita Sen |
| Ms. Bhawna |
|  | National Dairy Research Institute, Karnal | Dr. Vivek Sharma\* |
|  | National Dairy Development Board, Anand | Mr. S.D. Jaisinghani\* |
| Mr. Naveen Kumara AC\* |
|  | Punjab State Cooperative Milk Producers Federation Limited, Punjab | Mr. Animesh Pramanik |
|  | SMC College of Dairy Science, Anand | Dr. Amit M. Patel |
|  | Thermo Fisher Scientific India Private Ltd., Mumbai | Dr. Dasharath Oulkar\* |
| Mr. Subodh Kumar Budakoti\* |
|  | FAD, BIS | Dr. Bhawana, Scientist D (Member Secretary, FAD 19) |

***\*Attended the meeting through virtual mode***

**Invitee(s):**

1. Mr. Harish Meena, Scientist C, Central Marks Department-II, BIS, New Delhi
2. Mr. Devesh Kumar, Scientist C, Central Laboratory, BIS, Sahibabad

**Organization(s) who did not attend the 29th meeting:**

1. Directorate of Marketing and Inspection, Faridabad
2. Food Safety and Standards Authority of India, New Delhi
3. NDDB Calf Limited, Anand
4. Rajasthan Co-operative Dairy Federation, Jaipur
5. Tamil Nadu Co-operative Milk Producers Federation Limited, Chennai

**ANNEX-II**

**Addenda to Agenda for the 29th Meeting of Dairy Products Sectional Committee, FAD 19 scheduled on 4 October 2024 @0930 hrs at BIS, New Delhi**

(*Circulated to FAD 19 members by email dated 3 October 2024*)

In addition to the information provided in the agenda circulated by BIS portal and email dated 30 September 2024, the following may also be considered by the Committee:

**Item 6.1 Sl. No. 5 Ash Content in Skimmed Milk Powder [IS 13334 (Part 1): 2014 & IS 13334 (Part 2): 2014]**

The issue regarding ash content in skimmed milk powder was discussed in the Eighth Meeting of FAD 19/Panel IV ‘Dairy Products’ held on 3 October 2024 through webex. Record note of the meeting containing the Panel’s recommendations is attached as **Annex-XVIII**.

***The Committee may kindly CONSIDER and DECIDE.***

**ANNEX-XVIII (of agenda)**

*(Circulated with addenda to agenda)*

**RECORD NOTE OF THE EIGHTH MEETING OF FAD 19/PANEL IV HELD ON**

**3 OCTOBER 2024 @1100 HRS THROUGH WEBEX**

**Attendance:**

1. **Dr. Deep Narayan Yadav, NDRI, Karnal – Convenor**
2. Dr. Rajesh Kumar Bajaj, NDRI, Karnal
3. Dr. Kaushik Khamrui, NDRI, Karnal
4. Mr. S. D. Jaisinghani, NDDB, Anand
5. Mr. Sayan Banerjee, GCMMF, Gujarat
6. Mr. Sanjeev Kumar Sharma, MILFED, Punjab
7. Mr. Animesh Pramanik, MILFED, Punjab
8. Mr. Asit Sharma, MILFED, Punjab
9. Dr. Nita Sen, Mother Dairy Fruit and Vegetable Private Limited, New Delhi
10. Dr. Anirudha K. Chhonkar, CIFTI-FICCI, New Delhi
11. Mr. Vijay Gaur, AIFPA, New Delhi
12. Dr. Bhawana ‘Scientist D’, Food and Agriculture Department, BIS, New Delhi (Member Secretary, FAD 19)

**Special Invitees:**

1. Mr. Sharad Nagmal, Schreiber Dynamix Dairies Ltd, Mumbai
2. Mr. Partha Tripathy, Schreiber Dynamix Dairies Ltd, Mumbai

**Major discussions held during the meeting and Panel’s recommendations:**

1. Representative of Schreiber Dynamix Dairies made a presentation on the findings of study conducted by them along with other dairies for the analysis of ash content of cow milk samples collected from Baramati, Maharashtra and nearby cow-shed areas and proposed to align the limit with FSSAI Regulations or delete the requirement of ash content from IS 13334 Part 1 & 2.
2. The Panel examined the presentation made by Schreiber Dynamix Dairies and the report submitted by them. After detailed deliberations, the Panel expressed the opinion that the analysis data indicate that many of the cow milk samples had very low SNF content and thus were not adhering to requirements for cow milk specified in FSSAI Regulations and IS 13688, and therefore ash content data for such samples should not be considered. The Panel accordingly recommended that Schreiber Dynamix Dairies may submit revised report excluding results for samples having very low SNF (not complying with requirements of cow milk) and submit updated data and summary report.
3. BIS Secretariat informed that representation regarding ash content issue had also received been from M/s B.G. Chitale, Sangli, Maharashtra, Karnataka Milk Federation, Sun Agro Industries Pvt Ltd., Maharashtra and VRS Foods, Maharashtra. The Panel noted that Schreiber Dynamix Dairies and M/s B. G. Chitale had jointly conducted the study. The Panel requested BIS Secretariat to also seek data from Karnataka Milk Federation, Sun Agro Industries Pvt Ltd., Maharashtra and VRS Foods, Maharashtra in support of their representation. The Panel recommended that based on the updated data submitted by Schreiber Dynamix Dairies and inputs from other dairies, FAD 19 may decide whether any change is required in the ash content limit specified in Indian Standards for skimmed milk powder. The inputs may be considered to evaluate whether any further study at PAN India level or of the affected areas is required to collect data regarding ash content limit of skimmed milk powder.
4. The Panel further recommended that for the purpose of uniformity, the ash content value may be expressed as % by mass on a moisture and fat-free (SNF) basis as in FSSAI Regulations.
5. There being no other business, the meeting ended with a vote of thanks to the Convenor and all Panel members.