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BUREAU OF INDIAN STANDARDS

MINUTES

**Textiles Specialty Chemicals and Dyestuffs
Sectional Committee, TXD 07**

22nd Meeting

Date/ Time	Venue
12 November, 2024 (Tuesday), 1100 h	Through videoconferencing

Attendees:

Sl. No.	Representatives	Organizations
1.	Dr. Sujata Saxena (Chairperson)	ICAR – Central Institute for Research on Cotton Technology, Mumbai (CIRCOT), Mumbai
2.	Shri Fahimunnisa Khatib	Ahmedabad Textile Industries Research Association, Ahmedabad
3.	Shri Y. A. Shah	Ama Herbals, Lucknow
4.	Shri Rajesh Ramamurthy	Archroma India Private Limited, Mumbai
5.	Smt. Rini Radhakrishnan	-do-
6.	Shri Rajaram Jamdade	Atul Limited (Colors Business), Valsad
7.	Shri Arindam Chakraborty	-do-
8.	Dr. Bosco Henriques	Bio Dyes, Goa
9.	Dr. Shanmugasundaram O. L.	Central Coir Research Institute, Kochi
10.	Smt. Sumy Sebastian	-do-
11.	Shri Rahul Bhajekar	Global Organic Textile Standard (GOTS)
12.	Prof. A. K. Samanta	In Personal Capacity
13.	Dr. M. S. Parmar	Northern India Textile Research Association (NITRA), Ghaziabad
14.	Dr. Nidhi Sisodia	-do-
15.	Shri Gaurav Gupta	Office of the Textile Commissioner, Mumbai
16.	Shri P.T. Senthilkumar	Resil Chemicals Private Limited, Bengaluru
17.	Shri Karthikeyan K.	SGS India Private Limited, Mumbai
18.	Dr. Padma S. Vankar	Somaiya Vidyavihar University, Mumbai
19.	Shri M. P. Sathianarayanan	The Bombay Textile Research Association, Mumbai
20.	Shri S. Sivakumar	The South India Textile Research Association, Coimbatore
21.	Smt. (Dr.) Manisha Mathur	The Synthetic and Art Silk Mills Research Association, Mumbai

22.	Smt. Shilpi Chauhan	Textile Committee, Gurugram
23.	Dr. Shubhankar Maity	U P Textile Technology Institute, Kanpur
24.	Dr. Mrinal Choudhari	Wool Research Association, Thane

BIS DIRECTORATE GENERAL:

25.	Shri Himanshu Shukla (Scientist B & Member Secretary)	Bureau of Indian Standards, New Delhi
26.	Shri Abhishek Gupta (Executive Assistant)	-do-

Item 0 WELCOME & INTRODUCTORY REMARKS

Dr. Sujata Saxena, Chairperson, TXD 07, warmly welcomed to the all the members and invitees present in the meeting. She acknowledged and appreciated the members' active participation and contributions to the committee's works. She emphasized the significance of incorporating sustainability into Indian standards, noting that it is part of agenda and its relevance in today's context. She also highlighted the important subjects under the program of work of the committee and requested members to complete the assigned task in time bound manner.

The Member Secretary also extended a hearty welcome to the Chairperson and members of TXD 07.

Item 1 CONFIRMATION OF THE MINUTES OF THE PREVIOUS MEETING

The committee noted the comments received from Shri Rahul Bhajekar, GOTS on the minutes of the 21st meeting held on 11 June, 2024 circulated vide letter no. TXD 07/A2.21 dated 14 June, 2024. After deliberation, the committee decided to confirm the minutes of 21st meeting with the following changes under item 5.1:

To substitute the second para under item 5.1 of minutes of 21st Meeting with the followings:

‘After detailed deliberations, though there were members who were unsure of the scope and title of the proposed work item/standard the committee decided as follows:’

Item 2 SCOPE AND COMPOSITION OF TXD 07

2.1 The Committee reviewed the present scope and composition of TXD 07 as given in **Annex 2** to the agenda and DECIDED as follows:

- i) Global Organic Textile Standard, (GOTS) shall be represented by Shri Rahul Bhajekar as principal member, name of alternate member shall be informed;
- ii) SGS India Pvt. Ltd. shall be represented by Dr. Karthikeyan K. and Smt. Anita Jeyaraj as principal and alternate members respectively;

- iii) Wool Research Association, Thane shall be represented by Dr. Mrinal Choudhari and Dr. Swati Korgaonkar as principal and alternate members respectively;
- iv) To add 'Archroma India Private Limited, Mumbai' in the committee composition, as the organization name was missing in the list. Dr. Rajesh Ramamurthy and Ms. Rini Radhakrishnan shall represent as principal and alternate members respectively;
- v) Central Coir Research Institute, Alappuzha shall be represented by Dr. Shanmugasundaram O. L. and Smt. Sumy Sebastian as principal and alternate members respectively.

Item 3 ISSUES ARISING OUT OF PREVIOUS MEETING OF TXD 07

3.1 The committee NOTED the summary of actions taken on the decisions arrived at during 21st meeting of TXD 07 as given in **Annex 3** to the agenda.

Item 4 INTERNATIONAL ACTIVITY

4.1 The committee considered the extract of minutes of ISO TC 38/WG/31 'Non-fibrous bio-based material for textiles' held on 10 July 2024. The committee also considered the new work item proposed by BIS on 'Textiles — Determination of index ingredient from coloured textile — Part 9: Gallnut' along with the working draft as submitted by BIS to ISO TC 38/WG 31 for CD registration and as given in Annex 4 to the Agenda.

After detailed deliberation, the committee decided that, a revised draft shall be prepared by incorporating the CAS number, replacing the chromatogram in figure A.2, and aligning the test report with similar standards in the series published by ISO TC 38. The committee further constituted a working group with the following composition to prepare the revised draft incorporating the aforementioned changes:

- i) Shri Y A Shah, Ama Herbals, Lucknow (**Convenor**)
- ii) Dr. Sujata Saxena, Chairperson, TXD 07
- iii) Shri A K Samanta, In personal capacity
- iv) Dr. Padma S. Vankar, BTRA, Mumbai
- v) Dr. Bosco Henriques, Bio Dyes, Goa
- vi) Shri Arindam Chakraborty, Atul Limited (Colors Business), Valsad
- vii) Shri Himanshu Shukla, Member Secretary, TXD 07

The committee requested to Shri Y. A. Shah to provide the new chromatogram with clear peaks for incorporating in the draft. The revised draft as prepared by the working group shall be sent to ISO TC 38/WG 31 'Non-fibrous bio-based material for textiles' for DIS registration.

Item 5 R&D PROJECT UNDER TXD 07

5.1 The committee considered the progress report along with fund utilization certificate for R&D project on 'Development and validation of test method for determination of index ingredient from plant-based indigo and textiles dyed with plant-based indigo by using Carbon-14 (C-14) analysis' as submitted by Dr. Sujata Saxena, ICAR-CIRCOT.

Following detailed deliberations, the committee accepted the progress report and the fund utilization certificate as submitted by Dr. Sujata Saxena, confirming the utilization of 75% of the released funds, and decided to recommend to SCMD, BIS, for the release of the next installment for the R&D project.

During the meeting, the project leader requested a two-month extension for the project, citing the time required for testing indigo samples and the limited availability of C-14 testing laboratories. Considering the above, the committee approved the extension of two-month time for the R&D project.

The committee further noted that upon completion of the project, the test results and methods may be validated with laboratories outside India to ensure reproducibility of the results.

Item 6 REVIEW OF PUBLISHED STANDARDS

6.1 The committee considered the list of standards due for review along with the comments received from Dr. Padma S Vanakar, Somaiya Vidyavihar University, Mumbai, Shri Gaurav Gupta, Office of the Textile Commissioner, Mumbai as given in Annex 7 to the Agenda.

After detailed deliberation, the committee decided as follows:

Sl. No.	IS Number & Title	Decision of committee
i.	IS 15565 : 2005 Textiles — Method of test — Estimation of free benzidine in dyes	<p>The standard will be circulated to committee members for study and review to assess their similarity in technical content and applicability with following standards:</p> <p>a) IS 17336 (Part 1) : 2019/ISO 14362-1 : 2017 Textiles – Methods for determination of certain aromatic amines derived from azo colorants – Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres</p> <p>b) ii) IS 17336 (Part 3) : 2019/ISO 14362-3 : 2017 Textiles – Methods for determination of certain aromatic amines derived from azo colorants – Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene</p> <p>Any suggestions/recommendations received will be placed in the next technical committee meeting for discussion and decision</p>
ii.	IS 4360 : 2020 Method for determination of strength of fast bases	The standard will be revised based on the inputs received, and the revised draft will be issued in wide circulation for two months time period. BIS may carry out editorial changes in the draft, if required.

iii.	IS 4459 : 2020 Method for determination of strength of direct dyestuffs by dyeing test	-do-
iv.	IS 7845 : 2020 Textile Dyestuffs — Method for Evaluating Strength of Reactive Dyes (Trichloropyrimidyl Type) by Dyeing Test (First Revision)	-do-
v.	IS 17430 : 2020 Textile Dyestuffs — Natural Dye from Red Flowers of <i>Canna indica</i> (Indian Shot, Sarvajjaya) — Identification	<p>The standard shall be taken for revision, with the revised draft prepared in the Index Ingredient format. The revision process will take into account the findings of the R&D project titled “<i>To devise a test method for the identification of index ingredients in colored textiles dyed with Tectona grandis, Terminalia arjuna, Canna indica, and Impatiens balsamina dyes, in the Index Ingredient format (as acceptable to ISO/TC 38).</i>”</p> <p>The committee further noted that no proposals qualified both the technical and financial bid evaluations during the REC evaluation of aforementioned R&D project. In view of the importance of this R&D project for developing new work item proposals on four dyes for proposing it to ISO/TC 38/WG 31 and revising the identified standards, the committee decided to recommend to SCMD to re-host the term of reference for the R&D project.</p>
vi.	IS 17431 : 2020 Textile Dyestuffs — Natural Dye from Red Flowers of <i>Impatiens balsamina</i> (Balsam, Gulmehndi) — Identification	-do-
vii.	IS 17432 : 2020 Textile Dyestuffs — Natural Dye from <i>Tectona grandis</i> (Sagaun) Leaves — Identification	-do-
viii.	IS 17433 : 2020 Textile Dyestuffs — Natural Dye from <i>Terminalia arjuna</i> (Arjun) Bark — Identification	-do-

Item 7 SUSTAINABILITY IN INDIAN STANDARDS

7.1 The committee considered the recommendations of consultative group (textiles) to address sustainability in Indian standards. During the discussion on developing a common guideline for sustainable practices, referencing to existing guidelines on similar subject such as GOTS, OEKO-TEX, ZDHC, and Blue Sign, Shri Rahul Bhajekar (GOTS) informed to the committee that a similar subject is already under development by the Chemical Methods of Test Sectional Committee, TXD 05.

After deliberation, the committee decided that scope and title of ongoing work in TXD 05 would be reviewed to avoid duplication of work. It was further decided that the subject will be taken up for discussion in the next meeting of TXD 07.

Item 8 DATE AND PLACE OF NEXT MEETING

The Committee DECIDED to hold the next meeting of TXD 07 on priority in consultation with the Chairperson.

Item 9 ANY OTHER BUSINESS

9.1 As there being no other business, the meeting ended with a hearty vote of thanks to and from the Chair.