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## **BUREAU OF INDIAN STANDARDS**

### **MINUTES**

#### **Second Panel meeting – Revision/Amendment of IS 5405 Sanitary Napkin**

<b>Date</b>	<b>Time</b>	<b>Venue</b>
05 September 2024 (Thursday)	1100 h	Video Conference through CISCO Webex

**CONVENOR: Smt. Shradha Dongre, SASMIRA, Mumbai**

**Member Secretary, TXD 36: Shri Dharmbeer, Scientist D, Textiles, BIS New Delhi**

#### **ATTENDEES:**

- 1) Smt. Shradha Dongre, SASMIRA, Mumbai (**Convenor**)
- 2) Dr. Shadhana Srivastava, ICMR New Delhi
- 3) Shri S. Sivakumar, SITRA, Coimbatore
- 4) Dr. R. Radhai, SITRA, Coimbatore
- 5) Shri D. Veerasubramaniam, SITRA, Coimbatore
- 6) Shri Nirav Mehta, M/s Dima Products Mumbai (Representing Indian Technical Textile Association/ Feminine and Infant Hygiene Association, Mumbai)
- 7) Ms. Roocha Khedkar/Smt. Monika Sathe, Kenvue Mumbai
- 8) Ms. Shivani Swamy, Livinguard Technology Pvt. Ltd., Mumbai
- 9) Smt. Tanya Mahajan, The Pad Products (NGO), India
- 10) Shri Sashank Singh, Soothe Healthcare, Noida
- 11) Ms. Dipti Sharma, Unicharm India, Gurugram
- 12) Shri Mithun Shah, Anabia Technologies, Bengaluru
- 13) Dr. Ruchi Aradhana, Anabia Technologies, Bengaluru
- 14) Shri Rohit Srivasatava, Unicharm India Pvt Ltd., Gurugram
- 15) Smt. Dipti Sharma, Unicharm India Pvt Ltd., Gurugram
- 16) Shri Prashant Jadhav, P & G, Mumbai
- 17) Smt. Paridhi Mantri, Soothe Healthcare, Noida
- 18) Smt. Meeta Singhla, Testtex India Laboratories Pvt. Limited, Mumbai
- 19) Shri Chandrakant, Testtex India Laboratories Pvt. Limited, Mumbai
- 20) Shri Karthik, Real Relief, Tamilnadu
- 21) Ms. Shagun Maheshwari, Papaya Pad, India
- 22) Shri Gaurav Bathwal, Nine Private Limited

- 23) Shri Vijaypal Tiwari, Nine Private Limited, Gurugram
- 24) Shri Harsh Sethia, Shekhani Industries, Ahmedabad
- 25) Shri Shrey Shekhani, Mangal Textile Mills India Pvt. Ltd., Ahmedabad
- 26) Shri Ganesh, Mahina Pad, Gurugram
- 27) Shri Dharmbeer, Member Secretary, TXD 36

## **Item 0 WELCOME AND INTRODUCTORY REMARKS**

Smt. Shradha Dongre, SASMIRA, Mumbai (Convenor) extended a hearty welcome to the members of panel. She emphasized for active participation from the members and requested for the precise inputs so as to arrive at consensus.

Shri Dharmbeer, Scientist D and Member Secretary, TXD 36 has also welcomed the Convenor and all other members.

## **Item 1 COMMENTS ON PUBLISHED STANDARDS**

### **1.1 IS 5405 : 2019, Sanitary Napkins — Specification (Second Revision)**

The panel considered the draft revision of IS 5405 as given at **Annex 2** along with comments received from ICMR, BIS Chennai Branch Office, TZMO Group, Dima Products, P &G, MHAI, Kenvue, FIHA, Nine Private Limited, Shekhani Industries, SITRA and Papaya pad on Draft revision of IS 5405 as given at **Annex 3** of the agenda and thereon.

After deliberations, the panel recommended the following changes may be incorporated in existing draft revision of IS 5405: -

- i) Foreword, first paragraph, Insert the following at the end :-  
  
‘Panty liners are a thinner, smaller version of a sanitary pad. They are made of similar absorbent material for daily use to absorb light vaginal discharge, minor menstrual flow, or spotting. Maternity pads are generally thicker and can be longer version of a sanitary pad used to absorb postpartum bleeding that happens for weeks after childbirth. Period panties are wearable form of sanitary pad and made of absorbent material used to absorb fluid discharged during menstruation. They are also referred as period underwear or period underpants.’
- ii) The title of the standard shall be updated as ‘IS 5405 : 2024 Disposable Sanitary Pad/Pantyliner/Maternity Pad/Period Panty.’
- iii) The term ‘pantyliner/sanitary napkins/maternity pad/period panty’ shall be updated as ‘sanitary pad/panty liner/maternity pad/period panty’ in the existing standard

iv) Clause 3.2, Absorbent core, third sentence, Substitute ‘lumps (unintended)’ for ‘lumps.’

v) Clause 4.1 (a &b), Replace ‘thick and thin napkin’ with ‘Sanitary pad.’

vi) Clause 4.1 — Delete ‘Note.’

vii) Clause 4.2 — Insert the following new note at the end:

‘NOTE — The requirements given in 4.1 to 4.2 are for guidance of the manufacturer. The type and shape may vary between different design of the sanitary pad/pantyliner/maternity pad/period panty or as per the agreement between buyer and seller or manufacturers product design.

viii) Clause 5, Table 1, Substitute ‘Length (mm) (absorbent core only)’ for ‘Pad length (mm) (absorbent core only)’.

ix) Clause 5, Table 1, Substitute ‘Width (mm) (absorbent core only)’ for ‘Pad width (mm) (absorbent core only)’

x) Clause 5, Table 1, Period panty, length of absorbent core is to be updated as > 230 mm and width of absorbent core min 55 mm.

xi) The following note shall be included under clause 5, Table 1 :-

‘NOTE —

1) The actual dimension of absorbent core may differ as per the product design of manufacturer. If required, the manufacturer may also provide the figure/schematic diagram for measurement of dimension of absorbent core length and width of the product.

2) The recommended dimension (for reference and guidance only) of absorbent core length and width for other size class/type of sanitary pad/pantyliner/maternity pad/period panty not covered in Table 1 shall be declared by the manufacture.’

xii) Clause 6.1, fifth line, substitute ‘of the filler for ‘for wing formation.’

xiii) Clause 6.1, tenth line, substitute ‘heat and pressure or other methods’ for ‘heat and pressure.’

xiv) Clause 6.2, first sentence, Substitute for the following for the existing :-

The sanitary pad/pantyliner/maternity pad/period panty shall have a soft feel and when worn shall not chafe or give any uncomfortable feeling.

xv) Clause 7.2, second line , Substitute ‘product’ for ‘sanitary napkin.’

xvi) Clause 7.2, B-1, Insert the following new note :-

‘NOTES —

- 1) The length and width of 1 kg weight should have dimension of 150 mm x 50 mm with a tolerance of  $\pm 1$  mm.
- 2) For period panty, cut along the lateral seam on both the sides (left & right) and then lay the period panty flat for absorbency testing.’

xvii) The following note shall be included under clause 8.1.2, Table 1 :-

‘NOTE — The sampling plan given in table 3 is for guidance of manufacturer/user. The other sampling plan may also be followed if agreed between buyer and seller or as per manufacturers quality assurance plans.

xviii) Clause 7.6, add the following new clause :-

7.7 Anti-Bacterial Activity Value (Optional)

If agreed between the buyer and the seller, the raw material used for the product or final product shall have antibacterial activity value greater than or equal to 2 when tested by the absorption method prescribed in IS/ISO 20743.

xix) Clause 8.2.6, Insert the following new clause :-

‘8.2.7 The anti-bacterial activity testing shall be carried out once for existing raw material or final product and whenever there is a change in the raw material or source of supply of raw material for manufacturing the product.

xx) Clause 9.1, first line, Substitute ‘Each consumer pack’ for ‘Each pack.’

xxi) Clause 9.1 — Delete ‘d.’

xxii) The panel requested Smt. Roocha Khedkar/Smt. Monika Sathe to share the requirement (limit) for volatile organic compound test and Dixon/furan based on their inhouse data/International practice within 30 days.

xxiii) The panel requested Ms Shagun Maheshwari to share inputs within 30 days on test based on blood coagulation which may be considered as an alternative method after validation for absorbency test.

xxiv) The panel requested Shri Shri Mithun Shah, Anabia Technologies, Bengaluru to share the requirement and test method for 100 % biodegradable sanitary napkin within 30 days and 100 % flushable sanitary napkin within 3 months.

xxv) The panel requested member secretary to prepare the revised draft revision of IS 5405 : 2019 based on above changes within 07 days. BIS may carry out editorial changes in the draft amendment/standard.

**1.2** There being no other business, the meeting ended with a hearty vote of thanks to the *Convenor and members*.