



**उत्पाद मानुयल
क्रेप पट्टियाँ
IS 4605:2020 के अनुसार**

**PRODUCT MANUAL FOR
Crepe Bandage
According to IS 4605:2020**

भारतीय मानक ब्यूरो (अनुरूपता मूल्यांकन) विनियम की स्कीम-I के तहत यह उत्पाद मानुयल प्रमाणीकरण के प्रचलन में रीति और पारदर्शिता के सुसंगत सुनिश्चित करने के लिए सभी क्षेत्रीय/शाखा कार्यालयों एवं लाइसेंस धारियों द्वारा संदर्भ सामग्री के रूप में उपयोग किया जाएगा। बीआईएस लाइसेंस/प्रमाण पत्र प्राप्त करने के इच्छुक भावी आवेदकों द्वारा भी इस दस्तावेज़ का उपयोग किया जा सकता है।

This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure coherence of practice and transparency in operation of certification under Scheme-I of Bureau of Indian Standards (Conformity Assessment) Regulations, 2018 for various products. The document may also be used by prospective applicants desirous of obtaining BIS certification licence/certificate.

1.	उत्पाद Product	:	IS 4605:2020
	शीर्षक Title	:	क्रेप पट्टियाँ – विशिष्टि Crepe Bandage- specification
	संशोधन संख्या No. of amendments	:	0
2.	नमूनाकरण दिशा निर्देश Sampling Guidelines		
a)	कच्चा माल Raw material	:	Cotton or mixture of rayon and cotton shall be used in the manufacture of crepe bandage. In case of mixture, the quantity of rayon, when tested as per the method given in IS 1889 (Part 1) shall be not more than 50 percent. The bandage shall be free from cotton leaf and shell, neps, kitties and other objectionable impurities. It may be dyed flesh coloured with a suitable non-toxic dye
b)	समूहिकरण दिशा निर्देश Grouping Guidelines	:	लागू नहीं Not Applicable
c)	नमूने का परिमाण Sample Size	:	(i) Mixture of cotton & rayon yarn - 30gms (ii) Warp & weft yarns – 1 mtr (iii) Crepe Bandage – 4 rolls
3.	परीक्षण उपकरणों की सूची List of Test Equipment	:	कृपया Annex-A देखें Please refer Annex –A

4.	निरीक्षण व परीक्षण स्कीम Scheme of Inspection and Testing	:	कृपया Annex-B देखें Please refer Annex - B
5.	एक दिन में संभावित परीक्षण Possible tests in a day	:	All tests (if conditioned specimen are available)
6.	लाइसेन्स का कार्यक्षेत्र/Scope of the Licence :		
	IS 4605:2020 के अनुसार मानक मुहर का उपयोग करने के लिए लाइसेन्स निम्नलिखित कार्यक्षेत्र के लिए प्रदान किया जाता है Licence is granted to use Standard Mark as per IS 4605:2020 with the following scope:		
	उत्पाद का नाम Name of the product		क्रेप पट्टियाँ Crepe Bandage
	Sizes		Width (unstretched) up to and including.. m Length (stretched) up to and including.. m

ANNEX A

TEST EQUIPMENT

Major test equipment required to test as per the Indian Standard

Sl. No.	Description Of the Test Equipment	Tests used in with Clause Reference
1	Steel Scale/ Measuring tape Mechanism to fix the roll in fixed grips and apply and measure a load of 1kgf/cm ²	Dimensions, Cl . 4
2	- Suitable yarn tensioning device, - Skein Gauge or other suitable gauge, - Balance	Linear Density of yarn (Manufacture, Cl. 5)
3	- Twist counter, - Dissecting needle, - means for magnifying the specimen, - equipment for reeling sample skeins (optional)	Turns per cm of yarn (Manufacture, Cl. 5)
4	Counting glass/suitable instruments for measuring number of threads	Threads per stated length, Cl 8.1
5	Weighing balance	Weight per unit area, Cl 8.2
6	- Dynamometer, - Mechanism to fix the roll in fixed grips and apply and measure a load of 1kgf/cm²	Elasticity, Cl 8.3
7	- Stoppered glass or polypropylene flasks, chemically resistant - Mechanical shaker, - Beakers, chemically resistant, with a capacity of 150 ml - Rods, chemically resistant - pH-meter, - Balance, accurate to 0,01 g. 1 l volumetric flasks, of grade A quality.	Chemical Neutrality, Cl 8.4
8	Universal Testing Machine (Constant Rate of Traverse type)	Breaking Load, Cl 8.5
9	Weighing balance Volumetric Flasks Hot Plate/Burner Filter papers, glassware Drying Oven	Water Soluble Substances, Cl 8.6
10	Soxhlet Apparatus Drying oven Weighing Balance	Ether Soluble Substances, Cl 8.7
11	Conditioning Chamber	Conditioning, Cl. 7

The above lists are indicative only and may not be treated as exhaustive.

ANNEX - B

Scheme of Inspection and Testing

1. LABORATORY - A laboratory shall be maintained which shall be suitably equipped (as per the requirement given in column 2 of Table 1) and staffed, where different tests given in the specification shall be carried out in accordance with the methods given in the specification.

The manufacturer shall prepare a calibration plan for the test equipment.

2. TEST RECORDS – The manufacturer shall maintain test records for the tests carried out to establish conformity.

3. LABELLING AND MARKING – Standard Mark as given in the Schedule of the Licence shall be printed on each package, provided always that the product thus marked conforms to each requirement of the specification. Packing and Marking shall be done as per the provisions of the standard.

3.1 In addition to requirements of IS 4605:1981, Batch/Lot. Numbers shall be labelled on the primary and secondary packing of individual rolls. Details of BIS website www.bis.gov.in shall also be marked on the primary or secondary packing: "For details of BIS certification visit www.bis.gov.in"

4. CONTROL UNIT- Every 1000 rolls of particular size manufactured from the same batch of raw material shall be considered as a control unit.

5. LEVELS OF CONTROL - The tests as indicated in column 1 of [Table 1](#) and the levels of control in column 5 & 6 of [Table 1](#), shall be carried out on the whole production of the factory which is covered by this plan and appropriate records maintained in accordance with paragraph 2 above.

All the production which conforms to the Indian Standards and covered by the licence should be marked with StandardMark.

6. REJECTIONS – Disposal of non-conforming product shall be done in such a way so as to ensure that there is no violation of provisions of BIS Act, 2016.

Table-1:
LEVELS OF CONTROL

(1)				(2)	(3)		
Test Details				Test equipment requirement R: required (or)S: Sub-contracting permitted	Levels of Control		
Cl.	Requirement	Clause Reference	Test Method IS		No. of Sample	Frequency	Remarks
3	Material	3	IS 1889 (Part 1)	S	One	Each consignment	No testing is required if material is ISI marked on received with supplier's test certificate
4	Dimensions	4.1, Annex B	IS 4605	R	10	Each control unit	
5	Manufacture						
5.1.1	Warp Yarns	5.1.1	IS 4605	R	10	Each consignment of yarn	
5.1.2	Weft Yarns	5.1.2	-do-	R	-do-	-do-	
5.2	Selvages	5.2	-do-	R	-do-	-do-	
6	Workmanship and Finish	6	-do-	R		Adequate inspection	
7	Performance requirements						
8.1	Threads per Stated Length		IS 14944	R	5	Each control unit	
8.2	Weight per Unit Area		-do-	R	5	-do-	
8.3	Elasticity		-do-	R	10	-do-	
8.4	Chemical Neutrality		IS 1390	R	5	-do-	
8.5	Breaking Load		IS 14944	R	5	-do-	
8.6	Water Soluble Substances		-do-	R	5	-do-	



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8.7	Ether Soluble Substances		-do-	R	5	-do-	
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Note-1: Whether test equipment is required or sub-contracting is permitted in column 2 shall be decided by the Bureau and shall be mandatory. Sub-contracting is permitted to a laboratory recognized by the Bureau or Government laboratories empaneled by the Bureau.

Note-2: Levels of control given in column 3 are only recommendatory in nature. The manufacturer may define the control unit/batch/lot and submit his own levels of control in column 3 with proper justification for approval by BO Head.