PRODUCT MANUAL FOR BEDSTEADS, HOSPITAL, GENERAL PURPOSES ACCORDING TO IS 5029 : 1979

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.	**Product**	:	IS 5029 : 1979
	Title	:	Bedsteads, Hospital, General Purposes
	No. of Amendments	:	3
2.	**Sampling Guidelines:**		
a)	**Raw material**	:	As per clause 2 of IS 5029:1979
b)	**Grouping guidelines**	:	Bedstead of any dimension (cl. 3.4 read in conjunction with cl. 0.6) shall be tested for considering GoL.
c)	**Sample Size**	:	Two Nos.
3.	**List of Test Equipment**	:	Please refer ANNEX – A
4.	**Scheme of Inspection and Testing**	:	Please refer ANNEX – B
5.	**Possible tests in a day**	:	All Tests
6.	**Scope of the Licence :**		
	"Licence is granted to use Standard Mark as per IS 5029 : 1979 with the following scope:		
	Name of the product	Bedsteads, Hospital, General Purposes	

ANNEX A

List of Test Equipment

Major test equipment required to test as per the Indian Standard

Sl. No.	Tests used in with Clause Reference	Test Equipment
1	Shape and Dimensions (Clause 3)	(i) Angle Protractor (ii) Gooseneck Micrometer (iii) Measuring Tape (iv) Micrometer (v) Pipe Thickness Gauge (vi) Radius Gauge (vii) Steel Scale (viii) Vernier caliper
2	Impact Test (Clause 6.1)	Sand Bag – 50 kg
3	Mattress Test (Clause 6.2)	(i) Sand Bag – 10 kg – 1 no. (ii) Sand Bag – 50 kg – 4 nos
4	Adhesion Test (Clause 6.3)	(i) Cello Tape (ii) Angle Protractor (iii) Pointed Instrument
5	Performance Test (Clause 6.3)	(i) 135 kg Weights (ii) Load Arrangement

The above list is 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.

1.1 The manufacturer shall prepare a calibration plan for the test equipments.

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

3. LABELLING AND MARKING – As per the requirement of IS 5029 : 1979.

4. CONTROL UNIT All bedsteads of same dimensions manufactured over a continuous period of not more than one week from the same consignment of materials under similar conditions shall constitute a control unit.

5. LEVELS OF CONTROL - The tests as indicated in column 1 of Table 1 and the levels of control in column 3 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.

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

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

(1)				(2)	(3)		
Test Details				Test equipment requirement R: required (or) S: Sub-contracting permitted	Levels of Control		
Cl.	Requirement	Test Method			No. of Sample	Frequency	Remarks
		Clause	Reference				
2	Materials	2.1 to 2.6	IS 5029	S	One	Each consignment	No further testing is required if the material is accompanied with test certificate or ISI marked.
3	Shape and Dimension	3.1, 3.1.1 to 3.1.4	IS 5029	R	One	Each control unit	--
4	Manufacture	4.1 to 4.4	IS 5029	R	One	Each control unit	--
5	Finish	5	IS 4033	R	One	Each control unit	--
6	**Tests**						
6.1	Impact Test	6.1	IS 5029	R	One	Each control unit	--
6.2	Mattress Test	6.2	IS 5029	R	One	Each control unit	--
6.3	Adhesion Test	6.1.1	IS 4033	R	One	Each control unit	--
6.3	Performance Test	6.1.2	IS 4033	R	One	Each control unit	--

Note-1: Sub-contracting is permitted to a laboratory recognized by the Bureau or Government laboratories empanelled 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.

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