



**PRODUCT MANUAL FOR
STERILIZER, SHALLOW (DRESSING DRUM)
ACCORDING TO IS 3831: 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 3831 : 1979
	Title	:	Sterilizer, Shallow (Dressing Drum)
	No. of Amendments	:	4
2.	Sampling Guidelines:		
a)	Raw material	:	As per clause 2 of IS 3831:1979
b)	Grouping guidelines	:	Shallow sterilizer of any shape/dimension shall be tested.
c)	Sample Size	:	One sterilizer
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 :		
	(i) Thickness of body, lid, belt, hasp and clamp buckle (ii) Diameter of wire for hinge, handle, chain and clamp (iii) Shape and dimension (iv) Workmanship and finish		
6.	Scope of the Licence :		
	“Licence is granted to use Standard Mark as per IS 3831 : 1979 with the following scope:		
	Name of the product	Sterilizer, Shallow (Dressing Drum)	

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	Thickness of body, lid, belt, hasp and clamp buckle (Clause 2)	Micrometer
2	Diameter of steel wire of hinge, handle, chain and clamp (Clause 2)	Micrometer
3	Shape and dimensions (Clause 3)	(i) Steel Scale (ii) Vernier Caliper
4	Tests (Clause 6)	Force Testing Machine

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 3831: 1979.

4. 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.

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

5. 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	Material	2	IS 3831	--	--	Shall be ISI marked	
2	Thickness or Diameter of Components	2	IS 3831	R	Each unit	--	
3	Shape and dimensions	3	IS 3831	R	Each unit	--	
4	Workmanship and finish	4.1 to 4.11	IS 3831	R	Each Unit	--	
5	Finish	5	IS 3831	R	Each unit	--	
6	Tests	6	IS 3831	R	Each 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.