



**PRODUCT MANUAL FOR
STERILIZER, INSTRUMENTS, TABLE MODEL
ACCORDING TO IS 5022: 1989**

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 5022: 1989
	Title	:	Sterilizer, Instruments, Table Model
	No. of Amendments	:	2
2.	Sampling Guidelines:		
a)	Raw material	:	Stainless Steel sheet – IS 6911 Heating Element – IS 4159 Oil Pressure Stoves – IS 1342 or IS 2787
b)	Grouping guidelines	:	Sterilizer of each Size (Small/ Medium/ Large) from each Design depending on the operation (Electricity/ Gas/ Kerosene/ Combination) shall be tested separately to cover that Size and Design in the Scope of Licence
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	:	All Tests
6.	Scope of the Licence:		
	“Licence is granted to use Standard Mark as per IS 5022: 1989 with the following scope:		
	Name of the product	Table Model Instruments Sterilizer	
	Sizes	Small / Medium / Large	
	Design	Operated on Electricity/ Gas/ Kerosene/ Combination	

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	Dimensions (Clause 5)	(i) Micrometer (ii) Steel Scale (iii) Vernier Calliper
2	Construction – Lid and Tray (Clause 6.2)	Load Testing Machine
3	Functional Requirements (Clause 7) and Method of Operation (Clause 8)	(i) HV Break Down Tester (ii) Leakage Current Tester (iii) Megohmmeter
4	Finish (Clause 9)	(i) Adhesion Tester (ii) Plating Thickness Tester (iii) Salt Spray Tester

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 5022:1989.

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				
3	Material	3.1, 8.2.3, 8.4	IS 5022	-	-	-	Material shall be ISI marked
4	Design	4.1	-do-	R	Each Unit	-	
5	Dimension	5.1, 5.2	-do-	R	Each Unit	-	
6	Construction	6.1, 6.2.1, 6.2.2, 6.2.3	-do-	R	Each Unit	-	
7	Functional Requirements	7.1,7.2	-do-	R	Each unit	-	
8.2	Electric Operation (except Leakage Current and HV test)	8.2.1, 8.2.2, 8.2.3, 8.2.4	-do-	R	Each Unit	-	
	Leakage Current and HV test	8.2.1		R	Every 10 th Unit		
8.3	Gas Operation	8.3	--do-	R	Each Unit	-	-do-
8.4	Kerosene Operation	8.4	--do-	R	Each Unit	-	-do-
9	Finish	9.1	--do-	R	Each Unit	-	
		9.2	--do-	S	One	Each consignment	No further testing is required if accompanied with test certificate.

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.