



**PRODUCT MANUAL FOR
BITUMEN DRUMS
ACCORDING TO IS 3575: 1993**

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 3575 : 1993
	Title	:	BITUMEN DRUMS
	No. of Amendments	:	2
2.	Sampling Guidelines:		
a)	Raw material	:	<i>Body and Shell</i> - Steel Sheet as per IS 513 (Part 1) or IS 1079 <i>Closure</i> – Steel Sheet as per IS 513 (Part 1) or IS 1993
b)	Grouping guidelines	:	(i) Drums with nominal capacity 160 liters or 200 liters may be drawn for testing to cover both the capacities. (ii) The scope of license may be restricted based on the Manufacturing and Testing capabilities of the manufacturer. (iii) During the operation of the Licence, BO shall ensure that all the sizes covered in the Licence are tested in rotation, to the extent possible.
c)	Sample Size	:	One drum and closure set.
3.	List of Test Equipment	:	Please refer ANNEX – A.
4.	Scheme of Inspection and Testing	:	Please refer ANNEX – B.
5.	Requirements which can be tested in a day :		
	(i) Dimensions (<i>clause 4</i>) (ii) Construction (<i>clause 6</i>) (iii) Finish (<i>clause 7</i>) (iv) Air Pressure Test (<i>clause 8</i>)		
6.	Scope of the Licence :		
	“Licence is granted to use Standard Mark as per IS 3575 : 1993 with the following scope:		
	Name of the product	Bitumen Drums	
	Sizes	160 litres / 200 litres	

ANNEX - A

List of Test Equipments

Major test equipment essentially required to test as per the Indian Standard

Sl. No.	Test used in with clause reference	Test Equipment
1.	Dimensions as per <i>clause 4</i>	a) Vernier calliper b) Depth gauge c) Steel measuring tape/steel scale d) External micrometer
2.	Air Pressure Test as per <i>clause 8</i>	a) Arrangement for pressurizing the drum b) Pressure Gauge c) Stopwatch d) Soap solution e) Water Tank

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 equipment.

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

3. LABELLING AND MARKING – As per the requirements of IS 3575:1993.

4. CONTROL UNIT – All drums produced in a day, from coil of same heat 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 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 Standard 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	Levels of Control		
Cl.	Requirement	Test Methods		R: required (or) S: Sub-contracting permitted	No. of Sample	Frequency	Remarks
		Clause	Reference				
4	Dimensions	4	IS 3575	R	One	Every half - an - hour	#
5	Material	5	IS 3575	S	—	Each Consignment	No further testing is required, if accompanied with the Test Certificate or ISI Marked.
6	Construction	6	IS 3575	R	Each drum	—	—
7	Finish	7	IS 3575	R	Each drum	—	—
8	Air pressure test	8	IS 3575	R	Each drum	—	—

Five drums shall be checked after setting the machine and one drum shall be checked every half - an - hour. If any of the drums fail in dimensions, all the drums manufactured during previous half -an - hour shall be checked thoroughly for dimensions and machine setting verified. Subsequently, one drum shall be checked every 10 minutes till none of the drums checked during one hour is found defective and then the original frequency of testing i.e. one drum every half - an- hour shall be restored.

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.