



**PRODUCT MANUAL FOR
FOR GALVANIZED MILD STEEL FIRE BUCKET
ACCORDING TO IS 2546:1974**

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 2546:1974
	Title	:	Galvanized Mild Steel Fire Bucket
	No. of Amendments	:	2
2.	Sampling Guidelines:		
a)	Raw material	:	As per clause 2 of IS 2546:1974
b)	Grouping guidelines	:	Grouping guidelines is not applicable as only one variety of fire bucket is covered in the standard.
c)	Sample Size	:	One piece
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 2546:1974 with the following scope:		
	Name of the product	Galvanized Mild Steel Fire Bucket	
	Nominal Capacity	12 litres	

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.	Nominal Capacity as per Cl 1.1	Measuring Jars
2.	Shape and essential dimensions as per Cl 3	Angle protector, Radius gauge, Vernier caliper and micrometer
3.	Manufacture as per Cl 4	Measuring scale, Vernier Calliper, Micrometer
4.	Finish as per Cl 5	Beaker, Hydrochloric Acid, Coat meter
5.	Leakage Test as per Cl 6	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 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 2546.

4. CONTROL UNIT - Fire buckets produced in a shift under similar conditions of manufacture shall constitute a control unit.

5. LEVELS OF CONTROL - The tests as indicated in Table 1 and at the levels of control specified therein, shall be carried out on the entire production covered by this Scheme and appropriate records and charts maintained in accordance with clause 2 of this scheme. All the production which conform to the Indian Standard and covered by the licence shall be marked with the standard mark

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, 5.2	Material	2.1, 2.2, 2.3, 2.4, 5.2	IS 2546	S	1	Each Consignment	No further testing is required if accompanied with the test certificate or ISI marked
3	Shape and essential dimensions	3.1	IS 2546	R	1	Each control unit	---
4	Manufacture	4.1 to 4.6	IS 2546	R	1	Each control unit	---
5	Finish						
5.1	Finish	5.1	IS 2546	---	Each Fire Bucket		---
5.2	Thickness of Zinc Coating or Lead Tin Alloy	5.2	IS 2546	R	1	Each control unit	---
5.3	Painting	5.3, 5.3.1	IS 2546	R	Each Fire Bucket		---
6	Leakage	6.1	IS 2546	R	Each Fire Bucket		---

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

Note-2: The control unit and levels of control as decided by the Bureau are obligatory, to which the licensee shall comply with.