



PRODUCT MANUAL FOR STAINLESS STEEL COOKWARE ACCORDING TO IS 14756: 2017

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 14756: 2017
	Title	:	STAINLESS STEEL COOKWARE
	No. of Amendments	:	NIL
2.	Sampling Guidelines:		
a)	Raw material	:	a) Stainless Steel - IS 5522 or IS 15997 b) Material for composite bottom - IS 15960 c) Handles - IS13395
b)	Grouping guidelines	:	Please refer ANNEX – A
c)	Sample Size	:	2 Pcs
3.	List of Test Equipment	:	Please refer ANNEX – B
4.	Scheme of Inspection and Testing	:	Please refer ANNEX – C
5.	Possible tests in a day	:	All test except Staining Test.
6.	Scope of the Licence:		
	“Licence is granted to use Standard Mark as per IS 14756:2017 with the following scope:		
	Name of the product	Stainless Steel Cookware	
	Type of utensil		
	Type of bottom		
	With/without handle		

ANNEX A

Grouping Guidelines

1. Stainless-Steel cookware as per IS 14756 shall be grouped based on the following:
 - a. Type of Utensils
 - Cooking utensils
 - Serving utensils/ Table utensils/ Storage utensils
 - b. Type of Bottom (Base)
 - Composite Bottom
 - Copper electro-deposited
 - Cladded Base
 - Copper clad 2 ply and 3 ply
 - Aluminium clad 2 ply and 3 ply
 - Without Composite Bottom
 - c. Handle - With or without handle
2. The guidelines given below shall be followed for GoL/CSoL:
 - a) One Article of any shape and dimension from Cooking Utensils shall be tested for all requirements to cover that type in the scope of licence.
 - b) One Article of any shape and dimension from Serving utensils/ Table utensils/ Storage utensils shall be tested for all requirements to cover all the types in the scope of licence.
 - c) For Composite Bottom utensils, sample of each type (Copper electro-deposited/Cladded base) shall be tested to cover that particular variety in the scope of licence. For Cladded base, sample of any base/construction shall be tested to cover all the varieties of Cladded base utensils. When a sample of Composite bottom is tested, then utensils without composite bottom may also be covered.
3. If utensil with handle is tested, utensils without handle may also be covered.
4. The Firm shall declare the varieties intended to be covered in the Licence. The Scope of Licence may be restricted based on the Manufacturing and Testing capabilities of the Manufacturer.
5. During the operation of the Licence, BO shall ensure that all the varieties covered in the Licence are tested in rotation, to the extent possible.

ANNEX-B**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 Dimension, Cl. 4.1	Measuring Scale Vernier Caliper
2.	Thickness of Utensils and material, Cl. 4.2 & 4.3	Micrometer
3.	Staining Test, Cl. 6.1	Hot Soapy Water Acetone or methylated Spirits Soft Cloth Conditioning Chamber Glacial Acetic Acid Distilled Water Sodium Chloride
4.	Mechanical Shock Test, Cl. 6.2	Arrangement for Mechanical Shock test equipped with Steel Ball of half a kilogram and dropping arrangement from a Height of 500mm
5.	Thermal Shock Test, Cl. 6.3	Oven
6.	Dry Heat Test, Cl. 6.4	Induction Heater Thermometer LPG Cylinder and Domestic Gas Stove
7.	Coating Thickness Test, Cl. 6.5	Coat Thickness meter

The above list is indicative only and may not be treated as exhaustive.

ANNEX C

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 14756:2017.

4. CONTROL UNIT – Cookware of the same type manufactured in a day 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 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 R: required (or) S: Sub-contracting permitted	Levels of Control		
Cl.	Requirement	Test Method			No. of Sample	Frequency	Remarks
		Clause	Reference				
3	Material	3	IS 14756	S	One	Each Consignment	Material as per IS 5522 and IS 15997 shall be ISI Marked. For other materials, no further testing is required if accompanied with Test Certificate or ISI marked.
4	Shapes and Dimensions	4.1	IS 14756	R	One	Each Control Unit	
		4.2, 4.3 Table 1	IS 14756	R	Three	Each Control Unit	
5	Workmanship and Finish	5.1, 5.2 and 5.3	IS 14756	R	Each cookware		
	Handles (if required)	5.4	IS 14576 IS 13395	S	One	Each Consignment	No further testing is required if accompanied with Test Certificate or ISI marked.
6	TESTS						
6.1	Staining Test	6.1	IS 14576	R	One sample of each type for each solution	Once in a week	
6.2	Mechanical Shock	6.2	IS 14576	R	One sample	Daily	For cladded utensils only
6.3	Thermal Shock	6.3	IS 14576	R			
6.4	Dry Heat Test	6.4	IS 14576	R	One sample	Once in a week	
6.5	Coating Thickness Test	6.5	IS 14576	R	One sample of each type	Once in a week	For electro-deposition of copper

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