



**उत्पाद मैनुअल
आई एस 16286: 2014 के अनुसार
चम्मच के लिए**

दस्तावेज़ संख्या – पी एम/आई एस 16286/2/June 2025

भारतीय मानक ब्यूरो की स्कीम-I (अनुरूपता मूल्यांकन) विनियम, 2018 के तहत यह उत्पाद मैनुअल प्रमाणीकरण के प्रचालन में रीति और पारिश्रिता की सुसंगतता सुनिश्चित करने के लिए सभी क्षेत्रीय/शाखा कार्यालयों और लाइसेंसी द्वारा संदर्भ सामग्री के रूप में उपयोग किया जाएगा। बीआईएस प्रमाणीकरण लाइसेंस/ प्रमाणपत्र प्राप्त करने के इच्छुक भावी आवेदकों द्वारा भी इस दस्तावेज़ का उपयोग किया जा सकता है ।

**PRODUCT MANUAL FOR
SPOONS
ACCORDING to IS 16286:2014**

Document No.- PM/ IS 16286/ 2/June 2025

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.

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PRODUCT MANUAL FOR SPOONS

ACCORDING TO IS 16286: 2014

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1.	Product	:	IS 16286: 2014
	Title	:	Spoons
	No. of Amendments	:	One
2.	Sampling Guidelines:		
a)	Raw material	:	a) Spoon - Stainless steel confirming to IS 5522/grades of IS 5522 as per IS 6911 or IS 15997/grades of IS 15997 as per IS 6911. or - Brass as parent material (see IS 422) and plated with pure silver (as per IS 1959). b) Handles – Plastic handle shall be free from deleterious substances, resist the action of diluted organic acids and should not be inflammable as to burst into flames when a lightened match is applied to it.
b)	Grouping guidelines	:	Please refer ANNEX – <u>A</u>
c)	Sample Size	:	5 Pieces
3.	List of Test Equipment	:	Please refer ANNEX – <u>B</u>
4.	Scheme of Inspection and Testing	:	Please refer ANNEX – <u>C</u>
5.	Possible tests in a day	:	Dimension and Shapes (Cl. 4), Load Test (Cl. 6.3), Bending Test (Cl. 6.2), Boiling (Cl. 6.4.1), Impact (Cl. 6.4.2)
6.	Scope of the Licence	:	Please refer ANNEX – <u>D</u>
7.	Any other product specific guidelines	:	NA

ANNEX A

Grouping Guidelines

1. Spoon as per IS 16286:2014 shall be grouped based on the following:

- a) Type of Spoon
 - Serving spoons, large;
 - Table/serving spoon;
 - Dessert spoon;
 - Tea spoon, large or Baby spoon;
 - Tea spoon, small;
 - Coffee spoon;
 - Soup spoon;
 - Mustard spoon; and
 - Salt spoon.
- b) Base Material
 - Stainless Steel
 - Brass (plated with nickel silver)
- c) Whether With or without Plastic Handle

2. The guidelines given below shall be followed for Grant of Licence/ Change in Scope of licence:

- a) One sample of any type of spoon of each base material shall be tested for all the requirements to cover all types of Spoon in the scope of license.
- b) Separate samples of each type of base material shall be tested.
- c) If a Spoon with a plastic handle is tested, a spoon without plastic handle may also be covered without further testing, provided base material remains same.

3. 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.

4 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**

Indicative list of major test equipment required to test as per the Indian Standard (For guidance only)

Sl. No.	Tests used in with Clause Reference	Test Equipment
1.	Thickness of Spoon, Cl. 4	Micrometer
2.	Workmanship and Finish, Cl. 5.2, Cl. 5.3	Chemicals/equipment as per IS 1067 or Coatmeter
3.	Staining Test, Cl. 6.1	Hot Soapy Water Acetone or methylated Spirits Soft Cloth Glacial Acetic Acid Distilled Water Sodium Chloride
4.	Bending Test, Cl. 6.2	Mandrel Vice
5.	Load Test Cl. 6.3	Load Testing Apparatus, Height Gauge, Stop Watch
6.	Boiling Test, Cl. 6.4.1	Water Bath Hot Air Over Soapy Water Stop Watch
7.	Impact Test, Cl. 6.4.2	Arrangement with a dropping height of 1.2 m with Concrete Floor/ Flat Stone
8.	Staining Test (For Plastic Handle) Cl. 6.4.3	Soft Cloth Acetic Acid / Sodium Chloride/ Sodium Carbonate Distilled Water Stop Watch

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

ANNEX C**Scheme of Inspection and Testing****1. QUALITY ASSURANCE PLAN**

1.1 It is expected that manufacturers (licensees/applicants) will implement a Quality Assurance Plan i.e. a plan of regular testing and in-process controls, designed to ensure that the product bearing the Standard Mark conforms to all requirements of the Indian Standard.

1.2 The manufacturers shall define a Quality Assurance Plan defining the control unit i.e. Batch and the levels of control (i.e. the frequency and number of samples for conducting the different tests as per the Indian Standard) and submit the same to BIS Branch Office for information. The manufacturer shall comply with the same and maintain test records in accordance with para 2.4 below.

1.3 RECOMMENDED LEVELS OF CONTROL/CONTROL UNIT:

1.3.1 For the purpose of this scheme, recommended definition of control unit will be quantity of all the spoons of the same type, shape and size, and with same handle type, manufactured from the same consignment of raw material under similar conditions of manufacture.

1.3.2 For the guidance of manufacturers in preparing the Quality Assurance Plan, recommended levels of control are given in **Table 1**.

1.3.3 The manufacturer shall ensure inspection and testing as per the Quality Assurance Plan submitted by them on the whole production of the factory which is covered by this plan. Alternatively, the manufacturer has the option of adherence to the quality plan as per levels of control recommended in column 3 of Table 1.

1.4 However, all manufacturers shall ensure compliance of their products to all the requirements of the Indian Standard.

2. ENSURING COMPLIANCE THROUGH TESTING- It is expected that manufacturers (licensees/applicants) will establish a suitably equipped and staffed in-house laboratory (In house testing facility) for testing at least those parameters of the Indian Standard which require routine testing for ensuring quality of the product. This includes in-process controls as may be defined and put in place by the manufacturer, and testing parameters/requirements which can only be performed in the factory.

2.1 For the guidance of manufacturers, Table 1 giving the recommended levels of control is given below. Column 2 of Table 1 indicates routine tests where test equipment is required in-house as “R” or other tests which can be sub-contracted as “S”. Subcontracting is permitted to BIS recognized/empanelled laboratory or any other laboratory having valid NABL accreditation as per IS/ISO/IEC 17025. However, compliance to raw material requirement as mentioned at para 5 below shall be obligatory in case utensil is purchased in unfinished/semi-finished condition.

2.2 For MSME manufacturers, the requirement of maintaining a laboratory/in-house testing facility for routine tests (indicated as “R” in Column 2 of Table 1) is also optional.

2.2.1 MSME manufacturers may utilize common cluster based facilities as per guidelines for the utilization of cluster based test facilities by MSMEs or the provisions of Sharing of testing facilities or get testing done from BIS recognized/empaneled laboratory or any other laboratory having valid NABL accreditation as per IS/ISO/IEC 17025.

2.3 Large Scale manufacturers shall maintain an in-house laboratory equipped at least with test facilities for routine tests (indicated as “R” in Column 2 of Table 1), where different tests given in the specification shall be carried out in accordance with the method given in the specification. They shall also implement a calibration plan for the in-house test equipment.

2.3.1 Alternatively, in lieu of an in-house laboratory, large scale manufacturers can also utilize the provisions of Sharing of testing facilities as per the Guidelines for Grant of Licence available on BIS website www.bis.gov.in. (Under Conformity Assessment>Product Certification Process). Even for subcontracted tests, provisions for sharing of testing facilities can be utilized.

2.4 TEST RECORDS- The manufacturers maintaining an in-house laboratory or utilizing common cluster based facilities or shared test facilities shall maintain test records for the tests carried out to establish conformity. For the tests being subcontracted to BIS recognized/empanelled laboratory or any other laboratory having valid NABL accreditation as per IS/ISO/IEC 17025, test reports issued by the laboratories shall be available for inspection by BIS.

3. LABELLING AND MARKING – As per the requirement of IS 16286:2014. The Standard Mark, as given in the Schedule of the licence, shall be marked on each Spoon or its Package provided always that the product thus marked conforms to all the requirement of the specification. In addition, the licence no. CM/L-_____and details of BIS website shall be marked at an appropriate place on product or package as follows: “For details of BIS certification please visit www.bis.gov.in”.

4. REJECTION - All the production which conforms to the Indian Standard and covered under scope of the licence shall be marked with Standard Mark. 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 (Recommended levels of control)

(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, 3.2	IS 6911 IS 15997 IS 422 IS 1959	S	One	Each Consignment	No further testing is required if accompanied with Test Certificate or ISI marked.
3	Plastic Handles (if applicable)	3.3	IS 16286	S	Five	Each Consignment	
4	Shapes and Dimensions	4.1,4.2, 4.3,4.4, 4.5,4.6, 4.7	IS 16286	R	Manufacturer shall exercise adequate levels of control to ensure that the entire production conforms to the specified requirements. Records shall be maintained. The spoon may conform to shapes and dimensions given in 4.3 to 4.6 , however the shapes and dimensions are left to the discretion of manufacturers and are subject to the agreement with the purchaser.		
5	Manufacture, Workmanship and Finish	5	IS 16286 IS 1067	R	One	Once in a month for each type produced during the month	
6	TESTS						
6.1	Staining Test	6.1	IS 16286	S	One Two	Once in a month for each type produced during the month	
6.2	Bending Test	6.2	IS 16286	S			
6.3	Load Test	6.3	IS 16286	S			
6.4.1	Boiling Test	6.4.1	IS 16286	S			For Plastic Handle Spoon only
6.4.2	Impact Test	6.4.2	IS 16286	S			For Plastic Handle Spoon only
6.4.3	Staining Test	6.4.3	IS 16286	S			For Plastic Handle spoon

ANNEX D**Scope of Licence**

“Licence is granted to use Standard Mark as per IS 16286:2014 with the following scope:	
Name of the product	Spoons - Specifications
Type of Spoon	• Serving spoons, large; • Table/serving spoon; • Dessert spoon; • Tea spoon, large or Baby spoon; • Tea spoon, small; • Coffee spoon; • Soup spoon; • Mustard spoon; and • Salt spoon.
Base Material	
With Plastic handle/Without Plastic handle	