

भारतीय मानक ब्यूरो
केन्द्रीय मुहर विभाग 2

हमारा संदर्भ: सीएमडी-2/16: 5168

13 08 2018

विषय: आई एस 5168:2018 के अनुसार "बच्चों को दूध पिलाने की काँच की बोतल" की परीक्षण एवं निरीक्षण योजना(डॉक: एसआईटी/5168/1एम, अगस्त 2018) का कार्यान्वयन ।

इसे उपरोक्त विषय का संदर्भ प्राप्त है ।

सक्षम प्राधिकारी द्वारा अनुमोदित "बच्चों को दूध पिलाने की बोतल" (आई एस5168:2018) उन यूनिटों के लिए जो काँच की बोतल अपनी फैक्टरी में विनिर्माण करते हैं, परीक्षण एवं निरीक्षण की योजना,एसआईटी (डॉक: एसआईटी/5168/1एम, अगस्त 2018) संलग्न है ।

सभी क्षेत्रीय और शाखा कार्यालयों से अनुरोध है कि उपरोक्त एसआईटी का अनुपालन तत्काल प्रभाव से सुनिश्चित करें ।

(अदाने ख्रासी)

वैज्ञानिक सी
प्रमुख (सीएमडी-2)

सभी क्षेत्रीय/शाखा कार्यालयों/प्रयोगशालाओं/सीएचडी/एलपीपीडी को परिचालित प्रमुख (आई टी एस)-कृपया एसआईटी को बीआईएस इंटरनेट पर अपलोड करें ।

BUREAU INDIAN STANDARDS
CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16: 5168

13 08 2018

Subject: Implementation of SIT for Glass Feeding Bottles (Doc: SIT /5168/1M, August 2018) as per 5168:2018.

This has reference to the subject mentioned above.

Please find enclosed Scheme of Inspection & Testing, SIT Doc: SIT/5168/1M, August 2018 for "Glass Feeding Bottles" as per IS 5168:2018 for manufacturers producing Glass Bottles in-house, duly approved by Competent Authority.

All ROs/BOs are requested to ensure implementation of the above SIT with immediate effect.

(AdaneKhrasi)
Scientist-C

Head (CMD-2)

Circulated to All BOs/ROs/Labs/CHD/LPPD

Head (ITS): for hosting on intranet please

**SCHEME OF INSPECTION AND TESTING
FOR CERTIFICATION OF GLASS FEEDING BOTTLES
ACCORDING TO IS 5168:2018
(First Revision)
For manufacturers producing glass bottles in-house**

- 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** - The Standard Mark as given in Schedule of the license and Licence Number (i.e. CM/L.....) shall be incorporated, and the marking and packing and instructions for use shall be done/given as per the provisions of the Indian Standard, provided always that the product thus marked and packed conforms to all the requirement of the specification.
 - 3.1** The following labeling and marking requirements in addition to the requirements of the Indian Standard shall be given as per clause 6.2 of IS 5168:2018.
 - a) BIS License CM/L-.....
 - b) For BIS marks license details, visit the website www.bis.gov.in

- 4. CONTROL UNIT** - All the glass feeding bottles of the same type, pattern and nominal capacity manufactured from the same consignment of raw material in a day/shift (if production is in more than one shift in a day) shall be separated in groups of 1 000 bottles or less. Each such group shall constitute a control unit. Samples shall be tested from each control unit, for ascertaining the conformity of the bottles to the requirements of the specification.
 - 4.1** The manufacturer shall also provide a test certificate for tests carried out by them in process Quality Control mainly for Design, Shape and Size manufacture, Workmanship, Finish and Appearance, Capacity, Capacity scale, Neck dimension, Wall thickness and Heavy and Toxic elements.

5. **LEVELS OF CONTROL** - The tests, as indicated in Table 1 and the levels of control in column 3 of Table 1, shall be carried out on the entire production of the factory which is covered by this scheme and appropriate records maintained in accordance with paragraph 2 above.
 - 5.1 All production which conforms to the Indian Standard and covered in the licence should be marked with Standard mark.
6. **RAW MATERIALS** - The raw material used for manufacturing the Glass Feeding Bottles excluding hood, cap, ring, teats and sealing disc (if, any) etc. shall be in accordance with clause 5.1 of IS 5168:2018.
7. **REJECTION** - 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. A separate record providing the detailed information regarding the rejected control unit and mode of their disposal shall be maintained. Such material shall in no case be stored together with that conforming to the specification. The Standard Mark (if already applied) on rejected material should be defaced.

**GLASS FEEDING BOTTLES
ACCORDING TO IS 5168:2018
(First Revision)
For manufacturers producing glass bottles in-house**

TABLE 1

(1)				(2)	(3)		
Test Details				Test equipment requirement R:required (or) S: Sub-contracting permitted	Recommended Levels of Control		Remarks
Clause	Requirements	Clause	Test Method Reference		No. of Samples	Frequency	
5.1	Material	5.1.1	IS 5168:2018	S	One bottle	Each consignment of raw material	
		5.1.2	IS 5168:2018	S	One bottle	Once in three months	
5.2	Description	5.2, 5.2.1	IS 5168:2018	R	See Remarks	Every hour	No. of samples to be taken as per Annex D of IS 5168 : 2018
5.3	Capacity	5.3	IS 5168:2018	R	One bottle	Every hour	
5.4	Types, Dimensions & Wall thickness	5.4	IS 5168:2018	R	See Remarks	Every hour	No. of samples to be taken as per Annex D of IS 5168 : 2018

5.5	Scale and Graduations	5.5	IS 5168:2018	R	One bottle	Each control unit	
5.5 (b)	Permanency of pigment	5.5	Annex A of IS 5168 : 2018	R	See Remarks	Each control unit	No. of samples to be taken as per Annex A of IS 5168 : 2018
5.6	Limit of Alkalinity	5.6	IS 2303 (Part 1/ Sec 1)	R	One bottle	Each control unit	
5.7	Thermal Shock Resistance	5.7	Annex B of IS 5168:2018	R	See Remarks	Each control unit	No. of samples to be taken as per Annex D of IS 5168 : 2018
5.8	Migration of Heavy and Toxic elements	5.8	Annex C of IS 5168:2018	S	One bottle	Once in three months	

Note-1: Whether test equipment is required or sub-contracting is permitted in column 2 shall be decided by the Bureau and shall be mandatory. 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 for approval by B.O. Head.