

केन्द्रीय मुहर विभाग-2

हमारा संदर्भ: के मू वी-2/16: 11673 (Pt1)

12 03 2019

विषय: संशोधित IS 11673 (Part 1):2019 की एस आई टी (Scheme of Inspection and Testing)

1. यह उपरोक्त विषय व 18 02 2019 को जारी किए गए कार्यान्वयन दिशा निर्देशों के संदर्भ में है।
2. सक्षम अधिकारी द्वारा अनुमोदित संशोधित IS 11673 (Part 1):2019 की एस आई टी अनुपालन हेतु संलग्न है।

(आदित्य दास)
वैज्ञानिक सी

प्रमुख (के मू वी-2)

सभी क्षेत्रीय/शाखा कार्यालय

प्रतिलिपि :

आई टी एस विभाग – बी आई एस इंटरनेट पर डालने हेतु

CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16: 11673 (Pt1)

12 03 2019

Subject: Scheme of Inspection and Testing (SIT) for Revised IS 11673 (Part 1):2019

1. This has reference to the above and further to the implementation guidelines issued on 18 02 2019.
2. Scheme of Inspection and Testing for Revised IS 11673 (Part 1):2019, duly approved by the CA, is enclosed for implementation.

(Aditya Das)
Scientist C

Head (CMD-2)

All ROs/BOs

**SCHEME OF INSPECTION AND TESTING
FOR CERTIFICATION OF SODIUM HYPOCHLORITE SOLUTION – SPECIFICATION:
PART 1 HOUSEHOLD AND INDUSTRIAL USE
ACCORDING TO IS 11673 (Part 1):2019
(Second Revision)**

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. **PACKING, MARKING AND STORING**-The Standard Mark as given in Schedule of the license shall be incorporated indelibly on each package of Sodium Hypochlorite Solution, provided always the material thus marked conforms to all the requirements of the specification.
 - 3.1 Packing, marking and storing shall be done as per the provisions of the Indian Standard. In addition, BIS Licence No. CM/L-.... And details of BIS website shall be marked as follows: "For details of BIS certification please visit www.bis.gov.in"
4. **CONTROL UNIT** – For the purpose of this scheme, the entire quantity of sodium hypochlorite solution of one grade manufactured at a time in one reaction vessel/tank shall constitute a control unit.
5. **LEVELS OF CONTROL** –The analysis and tests as indicated in Table 1 and at the levels of control specified therein, shall be carried out on the whole production of the factory which is covered by this scheme and appropriate records and charts maintained in accordance with Clause 2.0 above. All the production which conforms to the Indian Standard Specification and covered by this licence shall be marked with the Standard Mark.
 - 5.1 All production which conforms to the Indian Standard and covered in the licence should be marked with Standard mark.
6. **STORAGE** – Instructions for storage as given in the Indian Standard shall be complied.
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 shall be maintain in giving information relating to the rejection of the production not conforming to the requirement of the specification and the method of its disposal. Such material shall in no case be stored together with that conforming to the specification.

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Table 1 (Para 5 of the Scheme of Inspection and Testing)

(1)				(2)	(3)		(4)
Test Details				Test equipment requirement R:required (or) S: Sub-contracting permitted	Levels of Control		Remarks
Clause	Requirements	Test Method			No. of Samples	Frequency	
		Clause	Reference				
5.1	Description	5.1	IS 11673 (Pt.1):2019	R	One	Each Control Unit	
5.3&Table 1 Sr.No.				R			
(i)	Relative Density	Annex A	-do-	R	One	Each Control Unit	
(ii)	Available Chlorine (As Cl ₂)	Annex B	-do-	R	Two	-do-	Both shall pass
(iii)	Total Chlorine (As Cl ₂)	Annex C	-do-	R	Two	-do-	-do-
(iv)	Free Alkali (as NaOH)	Annex D	-do-	R	One	-do-	
(v)	Free Sodium Carbonate (as Na ₂ CO ₃)	Annex E	-do-	R	One	Each Control Unit	
(vi)	Iron(as Fe)	Annex F	-do-	R	One	Each Control Unit	
(vii)	Sodium Chlorate	Annex G	-do-	R	One	-do	

5.2	Keeping Quality	Annex B	-do-	S	Two	Once in a month	Both shall pass (Also See Note 3)
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Note-1: 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.

Note-2: 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 empanelled by the Bureau.

Note 3- Once in a month, from one control unit, a packed container shall be stored in a cool, dark place. After a period of 30 days from the date of packing, two samples of sodium hypochlorite solution shall be drawn and tested for available chlorine content. Both the samples shall conform to the requirement as given in Table 1 to the Indian Standard.