

**केन्द्रीय मुहर विभाग -2**

संदर्भ -: के मू वी-2/16:245

19 03 2020

**विषय: संशोधित IS 245:2020 की Scheme of Inspection and Testing (SIT)**

यह उपरोक्त विषय के संदर्भ में है।

सक्षम अधिकारी द्वारा अनुमोदित संशोधित IS 245:2020 की Scheme of Inspection and Testing (SIT) 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-2/16:245

19 03 2020

**Subject: Scheme of Inspection and Testing (SIT) of Revised IS 245:2020**

This has reference to the subject mentioned above.

The Scheme of Inspection and Testing (SIT) of Revised IS 245:2020, duly approved by Competent Authority, is enclosed for implementation.

(Aditya Das)  
Scientist C

**Head (CMD-2)**

**All ROs/BOs**

Copy to:

**ITSD** - for hosting on BIS Intranet.

**SCHEME OF INSPECTION AND TESTING  
FOR TRICHLOROETHYLENE, TECHNICAL  
ACCORDING TO IS 245:2020**

**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 AND MARKING** — The Standard Mark, as given in the Schedule of the licence, shall be marked on the container in indelible ink or through a transfix label provided always that material so marked conform to requirements of the specification.

3.1 Packing and Marking shall be done as per the provisions of the Indian Standard. In addition, the following shall be incorporated on each container:

i) BIS Licence Number CM/L .....and

ii) BIS website details i.e. "For details of BIS certification please visit [www.bis.gov.in](http://www.bis.gov.in)".

**5. CONTROL UNIT** – For the purpose of this scheme, the entire quantity of the material of the same type collected in the final storage tank in the pure form after thorough mixing at a time shall constitute a control unit.

**5.1 COMPOSITE SAMPLE** – Three samples shall be drawn from a control unit at the time of filling the containers, one at the beginning, second in the middle and third towards the end and tested for description. A composite sample shall be made by mixing these three samples and this composite sample shall be analysed for all the other requirements of the specification.

**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 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**  
**LEVELS OF CONTROL**  
**(CLAUSE 5 OF THE SIT)**

(1)				(2)	(3)		
Test Details				Test equipment requirement R: required (or)S: Sub-contracting permitted	Levels of Control		
Cl.	Requirement	Cl. reference	Test Methods		No. of Sample	Frequency	Remarks
4.1	Description	<b>4.1</b>	IS 245	R	3	Each control unit	
4.2 Table 1 S No (i)	Relative density at 27/27°C	<b>A-2</b>	-do-	R	One composite sample*	-do-	*See 5.1
4.2 Table 1 S No (ii)	Residue on evaporation	<b>A-3</b>	-do-	-do-	-do-	-do-	-do-
4.2 Table 1 S No (iii)	Distillation yield between 86 and 88°C	<b>A-4</b>	-do-	-do-	-do-	-do-	-do-
4.2 Table 1 S No (iv)	Alkalinity (as Na <sub>2</sub> CO <sub>3</sub> )	<b>A-5</b>	-do-	-do-	-do-	-do-	-do-
4.2 Table 1 S No (v)	Free chlorine	<b>A-6</b>	-do-	-do-	-do-	-do-	-do-
4.2 Table 1 S No (vi)	Stability under reflux	<b>A-7</b>	-do-	-do-	-do-	Once a week (for each type)	-do-
4.2 Table 1 S No (vii)	Resistance to corrosion	<b>A-8</b>	-do-	-do-	-do-	-do-	-do-
4.2 Table 1 S No (viii)	Colour		IS 8768	-do-	-do-	-do-	-do-
4.2 Table 1 S No (ix)	Moisture		IS 2362	-do-	-do-	-do-	-do-

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 and submit it for approval to BO Head.