

**केन्द्रीय मुहर विभाग-2**

हमारा संदर्भ: के मू वी-2/16: 798

09 09 2019

**विषय: IS 798:1986 की एस आई टी (Scheme of Inspection and Testing) – अखिल भारतीय प्रथम केस**

सक्षम अधिकारी द्वारा अनुमोदित IS 798:1986 की एस आई टी अनुपालन हेतु संलग्न है।

(आदित्य दास)  
वैज्ञानिक सी

**प्रमुख (के मू वी-2)**

सभी क्षेत्रीय/शाखा कार्यालय/सी एच डी

प्रतिलिपि :

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

**CENTRAL MARKS DEPARTMENT-2**

Our Ref: CMD-2/16: 798

09 09 2019

**Subject: Scheme of Inspection and Testing (SIT) for IS 798:1986 – All India First Case**

Scheme of Inspection and Testing for IS 798:1986, duly approved by the CA, is enclosed for implementation.

(Aditya Das)  
Scientist C

**Head (CMD-2)**

**All ROs/BOs/CHD**

Copy to:

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

**SCHEME OF INSPECTION AND TESTING  
FOR ORTHOPHOSPHORIC ACID  
AS PER IS 798:1986**

**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 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)”.

**4. CONTROL UNIT** – For the purpose of this scheme, the entire quantity of the material produced in one 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 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**

(1)				(2)	(3)		
Test Details				Test equipment requirement R: required (or) S: Sub- contracting permitted	Levels of Control		
Cl.	Requirement	Test Method			No. of Sampl e	Frequency	Remarks
		Clause	Reference				
3.1	Description	3.1	IS 798:1986	R	One	Every Control Unit	Visual
3.2, Table 1, Sl. No. (i)	Relative density at 27°C	Appendix A-2	IS 798:1986	R	-do-	-do-	-
3.2, Table 1, Sl. No. (ii)	Orthophosphoric acid, (H <sub>3</sub> PO <sub>4</sub> )	Appendix A-3	IS 798:1986	R	-do-	-do-	
3.2, Table 1, Sl. No. (iii)	Iron (as Fe)	Appendix A-4	IS 798:1986	R	-do-	-do-	
3.2, Table 1, Sl. No. (iv)	Chlorides (as Cl)	Appendix A-5	IS 798:1986	R	-do-	-do-	
3.2, Table 1, Sl. No. (v)	Sulphates (as SO <sub>4</sub> )	Appendix A-6	IS 798:1986	R	-do-	-do-	
3.2, Table 1, Sl. No. (vi)	Arsenic (as As <sub>2</sub> O <sub>3</sub> )	Appendix A-7	IS 798:1986	S	One	Once in a month	
3.2, Table 1, Sl. No. (vii)	Antimony (as Sb <sub>2</sub> O <sub>3</sub> )	Appendix A-8	IS 798:1986	S	-do-	Once in a month	Applicable for Technical grade only
3.2, Table 1, Sl. No. (viii)	Nitrates (as NO <sub>3</sub> )	Appendix A-9	IS 798:1986	R	-do-	Every Control Unit	Applicable for Analytical Reagent grade only
3.2, Table 1, Sl. No. (ix)	Heavy metals (as Pb)	Appendix A-10	IS 798:1986	R	-do-	-do-	Applicable for Analytical Reagent grade only
3.2, Table 1, Sl. No. (x)	Silica (as SiO <sub>2</sub> )	Appendix A-11	IS 798:1986	R	-do-	-do-	Applicable for Analytical Reagent

							grade only
3.2, Table 1, Sl. No. (xi)	Calcium (as Ca) and Magnesium (as Mg)	Appendix A-12	IS 798:1986	R	-do-	-do-	Applicable for Analytical Reagent grade only
3.2, Table 1, Sl. No. (xii)	Oxygen absorbed (as O)	Appendix A-13	IS 798:1986	R	One	-do-	Applicable for Analytical Reagent grade only
3.2, Table 1, Sl. No. (xiii)	Volatile acids	Appendix A-14	IS 798:1986	R	One	-do-	Applicable for Analytical Reagent grade only
3.2, Table 1, Sl. No. (xiv)	Manganese (as Mn)	Appendix A-15	IS 798:1986	R	-do-	-do-	Applicable for Analytical Reagent grade only

**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 BO Head.