



PM/IS 1061/1/August 2018

PRODUCT MANUAL FOR  
DISINFECTANT FLUID, PHENOLIC TYPE  
According to IS 1061: 2017

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.

1.	Product	:	IS 1061 : 2017
	Title	:	Disinfectant Fluid, Phenolic Type
	No. of amendments	:	NIL
2.	Sampling Guidelines		
a)	Raw material	:	No specific requirement for raw material
b)	Grouping Guidelines	:	NIL
c)	Sample Size	:	3x500ml of Disinfectant Fluid, Phenolic Type
3.	List of Test Equipment	:	Please refer Annex-A
4.	Scheme of Inspection and Testing	:	Please refer Annex-B
5.	Possible tests in a day	:	Composition and Description (Cl. 4.1), Stability after dilution (Cl. 4.4), Mercury compounds (Cl.4.4) Detection of phenolic compounds (Cl.4.6)
6.	Scope of the Licence:		IS 1061 : 2017
	"Licence is granted to use Standard Mark as per IS 1061 : 2017 with the following scope:		
	Name of the product		Disinfectant Fluid, Phenolic Type
	Type		Normal or Winter
	Class		Black or White
	Grade		1, 2, 3, 1A, 2A or 3A
	Size		NIL
	Any other aspect regard as per the standard		NIL

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**ANNEXURE A  
TO PRODUCT MANUAL FOR  
DISINFECTANT FLUID, PHENOLIC TYPE  
ACCORDING TO IS 1061: 2017**

**List of Test Equipment**

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Major test equipment required to test as per requirements of Indian Standard.

Sr. No.	Test Equipment	Test used in with clause Reference
1.	Glass beaker, 500 ml Cap, Glass rod	Composition and Description (Cl. 4.1)
2.	Artificial hard water Hydrochloric acid Calcium carbonate Reagent grade water Artificial sea water (see IS 8770) for white fluid 100ml stoppered measuring cylinder Pipettes	Stability after dilution (Cl. 4.2)
3.	Standard Rideal Walker Broth Meat extract, microbiological grade Peptone, microbiological grade Sodium chloride Sodium hydroxide solution Phenolphthalein indicator Phenol red Test organism- Salmonella typhi (NCTC 786) Staphylococcus aureus (MTCC 3160) Phenol (Carbolic Acid), crystalizing point not less than 40.5 <sup>0</sup> C  Hot plate Water bath (17 <sup>0</sup> C to 18 <sup>0</sup> C) Distilled water Stoppered measuring cylinder, 100 ml Cap. Pipettes, 1 ml, 5ml, 10 ml. Inoculating loop Incubator, L.C. 1 <sup>0</sup> C, range 37±1 <sup>0</sup> C Dropping pipette Medication tubes, 125 mm x 20 mm size made of hard neutral glass Broth tubes, same description as above Stoppered and graduated measuring cylinders-500, graduated in 10 ml and 100 ml and 1 ml pH meter LC 0.1, Range 0-14 Weighing balance Flask, 1000 ml Cap. Titration apparatus Filter paper Autoclave (capable of 15 psi/ 121 °C) Air conditioner	Germicidal Value (Cl. 4.3)
4.	Measuring cylinder Beaker 100 ml Bright clean copper rod, 100 mmx 3 mm diameter Hydrochloric acid	Mercury Compound (Cl. 4.4)

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5.	Incubator/BOD incubator to maintain storage temperatures 15 <sup>0</sup> C and 45 <sup>0</sup> C for Normal type and 5 <sup>0</sup> C and 30 <sup>0</sup> C for Winter type.	Stability on storage (Cl. 4.5)
6.	Conical flask, 250 ml cap., Graduated pipettes, 5 ml and 10 ml cap., Measuring cylinder, 2N Folin and Ciocalteu's reagent (Phosphomolybdic-Phosphotungstic phenol reagent) Sodium Carbonate Standard Phenol AR Grade Distilled water	Detection of Phenolic Compounds (Cl. 4.6)

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

**ANNEXURE B  
TO PRODUCT MANUAL FOR  
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**SCHEME OF INSPECTION AND TESTING**

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**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 equipment.

**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 done as per the provisions of the Indian Standard, provided always that the product thus marked and packed conforms to all the requirements of the specification.

**4. CONTROL UNIT**– For the purpose of this scheme, the entire quantity of disinfectant fluid, phenolic type homogenized at a time in one tank shall be considered as 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.

**7. 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. 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.

**SCHEME OF INSPECTION AND TESTING**  
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**TABLE 1: LEVELS OF CONTROL**

(1)				(2)	(3)		
Test Details				Test equipment requirement R: required (or)S: Sub-contracting permitted	Levels of Control		
Cl.	Requirements	Test Methods			No. of Sample	Frequency	Remarks
		Clause	Reference				
4.1	Composition and Description	4.1.1 or 4.1.2	IS 1061 : 2017	R	One	Each Control Unit	
4.2	Stability after dilution	Annex A	-do-	R	One	-do-	
4.3	Germicidal Value	Annex B & C	-do-	R	One	-do-	
4.4	Mercury Compound	Annex D	-do-	R	One	Once in a month	
4.5	Stability on storage	4.2m 4.3 & 4.5	-do-	R	One	Once in a month	
4.6	Detection of Phenolic Compounds	4.6	-do-	R	One	Each Control Unit	

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.

