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उत्पाद मैन्युअल

फिनोलिक टाइप रोगाणुनाशी द्रव विशिष्टि

IS 1061: 2025 के अनुसार

PRODUCT MANUAL FOR

Disinfectant Fluids, Phenolic Type — Specification
ACCORDINGTO IS 1061: 2025

विभिन्न उत्पादों के लिए भारतीय मानक ब्यूरो) अनुरूपता मूल्यांकन (विनियम, 2018 की योजना -I के तहत प्रमाणन के संचालन में एकरूपता और पारदर्शिता के लिए इस उत्पाद मैनुअल का उपयोग सभी क्षेत्रीय / शाखा कार्यालयों और लाइसेंसधारियों द्वारा संदर्भ सामग्री के रूप में किया जाएगा। दस्तावेज़ का उपयोग बीआईएस प्रमाणन प्राप्त करने के इच्छुक संभावित आवेदकों द्वारा भी किया जा सकता है।

This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure uniformity 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.

1.	**मानक संख्या** **IS No.**	:	IS 1061: 2025
	शीर्षक **Title**	:	Disinfectant Fluids, Phenolic Type **फिनोलिक टाइप रोगाणुनाशी द्रव विशिष्टि**
	संशोधनों की संख्या **No. of amendments**	:	NIL
2.	**नमूना दिशानिर्देश** **Sampling Guidelines**		
a)	**कच्चा माल** **Raw material**	:	Raw material to be as per Cl 4.1 Note: This section indicates the requirements for raw material (if specified in the IS) for which compliance is to be establishedduring Grant of Licence/Change in Scope of Licence /Factory Surveillance

b)	**समूहीकरण दिशानिर्देश** **Grouping Guidelines**	:	Each class, grade and type is required to be tested to be covered in the scope of licence
c)	**नमूने का परिमाण** **Sample Quantity**	:	3x500ml of Disinfectant Fluid, Phenolic Type Note: This section indicates the quantity of the sample of the product and/or the raw material (if applicable), required to be sent to the laboratory for testing, for the purpose of Grant of Licence/Change in Scope of Licence/ Factory Surveillance (incase of market surveillance, effort may be made to procure therequired quantity of product sample, as far as possible since raw material sample may not be available in market)
d)	**परीक्षण अनुरोध में घोषित किए जाने वाले पैरामीटर** **Parameters to be Declared in Test Request**	:	1. Class 2. Grade 3. Type Note: This section indicates declared values to be specified against a parameter (in Test Requests) to enable testing of sample against the requirement and determine its conformity. Any other requirements/parameters may also be declared as per the standard, as applicable.
3.	**परीक्षण उपकरणों की सूची** **List of Test Equipment**	:	कृपया Annex-A देखें Please refer to Annex – A
4.	**निरीक्षण और परीक्षण की स्कीम** **Scheme of Inspection and Testing**	:	कृपया Annex-B देखें Please refer to Annex – B
5.	**एक दिन में संभावित परीक्षण** **Possible tests in a day**		
	1. Description 2. Stability after dilution 3. Germicidal Value 4. Mercury Compound 5. Detection of Phenolic Compounds Applicable for only Disinfectant-cum-de-odouring fluids 6. Volatile matter 7. Steam Volatile Oil 8. Persistent of Odour 9. Flash Point (Abel) Note: This section is for the guidance of BIS Certification Officers/Technical Auditors of BIS Authorized Outside Surveillance Agencies (OSAs) during factory inspection to provide readyreference regarding the tests which can be witnessed during the inspection in the factory by the officer/auditor.		
6.	**लाइसेंस का दायरा /Scope of the Licence:**		

	"Licence is granted to use Standard Mark as per IS IS 1061 : 2025 with the following scope: IS 1061: 2025 के अनुसार मानक मुहर का उपयोग करने के लिए लाइसेन्स निम्नलिखित कार्यक्षेत्रके लिए प्रदान किया जाता है	
	Name of the product	Disinfectant Fluids, Phenolic Type **फिनोलिक टाइप रोगाणुनाशी द्रव**
	Class	Black, White, Other Colour & Disinfectant-cum-de-odouring fluids.
	Grade	1, 2, 3, 1A, 2A or 3A
	Type	Normal & Winter

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NEW DELHI-110002

ANNEX – A

LIST OF TEST EQUIPMENTS

(INDICATIVE LIST, FOR GUIDANCE ONLY)

Sl. No	Test used in with clause Reference	Test Equipment/Chemical
1.	~~Composition and~~ Description (Cl. 4.1 & 4.2)	Glass beaker, Glass rod, water
2.	Stability after dilution (Cl. 4.3)	Artificial hard water- Hydrochloric acid, Calcium carbonate, Reagent grade water, filtration arrangement, 100ml stoppered measuring cylinder Artificial sea water- (see IS 8770) stoppered measuring cylinder, Pipettes, Arrangement for maintaining extremes of temperature as per A-3.4
3.	Germicidal Value (Cl. 4.4),	Test organism: Salmonella typhi (NCTC 786) cultures, Staphylococcus aureus (MTCC 3160) cultures –For Grade 1A,2A and 3A Phenol (Carbolic Acid), crystalizing point not less than 40.5^0C Media: Standard Rideal Walker Broth dehydrated media available commercially with composition as per B.2.1, Standard Staphylococcal Broth dehydrated media available commercially with composition as per C.2.1 for grades 1A,2A,3A, Or microbiological grade Meat extract, Peptone, Sodium chloride, Sodium hydroxide solution, phenolphthalein indicator, phenol red, Titration apparatus, and filter paper, if prepared by mixing. Equipment: Weighing balance, pH meter(LC 0.1 Range 0-14), Autoclave (capable of 15 psi/ 121 ºC), Inoculating loop (as in B1.1), Incubator L.C. 1^0C capable to maintain 37±1ºC, Hot plate, Water bath (with temperature control), Distilled water, Stoppered measuring cylinder 100 ml Cap. Pipettes 1 ml, 5ml, 10 ml., Dropping pipette, Medication tubes 125 mm x 20 mm size made of hard neutral glass, Broth tubes, Stoppered and graduated measuring cylinders- 500 graduated in 10 ml and 100 ml and 1 ml, , Flask 1000 ml Cap., Air conditioner, refrigerator (for stock agar slope culture),
4.	Mercury Compound (Cl. 4.5),	Measuring cylinder, Beaker 100 ml, distilled water, hot plate, Bright clean copper rod (100 mm length x 3 mm diameter), Hydrochloric acid
5.	Stability on storage (Cl. 4.6)	Arrangement to maintain storage temperatures 15^0C and 45^0C for Normal type and 5^0C and 30^0C for Winter type. All the equipment and Chemicals as mentioned at Sl.No. 2 & 3 above.

6.	Detection of Phenolic Compounds (Cl. 4.7)	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
7.	Volatile Matter (Cl. 4.8.1)	Petri Dish, Weighing Balance & Oven
8.	Persistent of Odour (Cl. 4.8.4)	Filter Paper & Petri Dish Waster
9.	Flash Point (Abel) (Cl. 4.8.5)	Cleaning solvent Abel Flash point apparatus as per IS 1448 (Part 20) Thermometers as per IS 1448 (Part 20) Timing device, stopwatch or electronic timer Barometer, absolute pressure reading, accurate to 0.5 kPa External cooling bath (optional) CRM of known flash point Lubricant (optional), Ignitor& Pilot Light Gas Test cup thermal insulating cap (optional)
10.	Steam Volatile Oil (Cl. 4.8.2)	Graduated tube/cylinder Distilling Flask Condenser Receiver Pipettes Heating Arrangement Thermometer

ANNEX B

SCHEME OF INSPECTION AND TESTING

1. QUALITY ASSURANCE PLAN

1.1 It is expected that during operation of BIS licence, manufacturers will implement a Quality Assurance Plan (QAP) i.e. a plan of regular testing and in-process controls, designed to ensure that the product bearing theStandard Mark conforms to all requirements of the Indian Standard.

1.2 The manufacturers shall define a Quality Assurance Plan (QAP) defining the control unit (i.e. lot/batch etc.), the levels of control (i.e. the frequency and number of samples for conducting the differenttests as per the Indian Standard) and declare the arrangement for testing i.e. whether in-house or subcontracting/sharing for each applicable test and submit the same to BIS Branch Office for information. The manufacturer shall comply with the QAP and maintain test records in accordance with para 2.1.

1.3 **RECOMMENDED LEVELS OF CONTROL/CONTROL UNIT**:

1.3.1 For the guidance of manufacturers, the recommended definition of control unit is : Entire quantity of disinfectant fluid, of one variety homogenized at a time in a tank

1.3.2 For the guidance of manufacturers in preparing the Quality Assurance Plan, recommended levels of control are given in **Table 1**. Manufacturer has the discretion of declaring their own levels of control or accept the levels of control given in this document.

1.3.3 The manufacturer shall ensure inspection and testing as per the Quality Assurance Plan submitted by them on the whole production of the factory which is covered by this plan.

2. ENSURING COMPLIANCE THROUGH TESTING- Manufacturers shall ensure compliance of their products to all the requirements of the Indian Standard for which they may have in-house test facilities. However, there is no obligation to maintain in-house laboratory. Licensee may use alternative arrangements for tests of the production as per the declared QAP. Various alternatives are available for operation of BIS certification as given below and the relevant guidelines for availing such relaxations by the manufacturers, as amended from time to time, are to be referred:

i) Shared testing resources like common facility,

ii) Cluster based testing facility,

iii) Sub-contracting to outside laboratories which may either be:

a) BIS recognised/empanelled laboratories, or

b) Any accredited laboratory as per ISO/IEC 17025

2.1 **TEST RECORDS**- The manufacturers shall maintain test records for the tests carried out (either in-house or at a sub-contracted or at shared test facility) to establish conformity of the product to the Standard for operation of licence. For the tests being subcontracted or conducted at a shared test facility, test results issued by the laboratories or test facilities, shall be made available for inspection by BIS.

3. PACKING AND MARKING - The Standard Mark as given in the Schedule of the licence shall be incorporated legibly and indelibly on each container provided always that the material in each container on which this Mark is thus applied, conforms to each requirement of the specification.

3.1 Packing and Marking shall be done as per the Indian Standard.

3.2 **Additional Marking requirements**: The material shall also be marked with the following additional requirement on each container.

a) "For BIS certification details please visit www.bis.gov.in"

4. REJECTION - All the production which conforms to the Indian Standard and covered under the scope of this licence shall be marked with the Standard Mark. 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
(ONLY FOR GUIDANCE PURPOSE)

(1)				(2)		
Test Details				**Levels of Control**		
Cl.	**Requirements**	**Test Methods**		**No. of Sample**	**Frequency**	**Remarks**
		Clause	**Reference**			
3.4	pH	-	IS 1061	One	Each Control Unit	
4.1 & 4.2	Composition and Description	-	-do-	Manufacturer shall maintain adequate inspection and in process control, to ensure product meets specified requirements and maintain test records		
4.3	Stability after dilution	Annex A	-do-	One	Each Control Unit	
4.4	Germicidal Value	Annex B & C	-do-	One	-do-	
4.5	Mercury Compound	Annex D	-do-	One	Once in a month	
4.6	Stability on storage	-	-do-	One	Once in three months	
4.7	Detection of Phenolic Compounds	Annex E	-do-	One	Each Control Unit	
4.8.1	Volatile matter	Annex F	-do-	One	Each Control Unit	Applicable for disinfectant-cum de- odourizing fluids
4.8.2	Steam Volatile Oil	Annex G	-do-	One	Each Control Unit	
4.8.4	Persistent of Odour	-	-do-	One	Each Control Unit	
4.8.5	Flash Point (Abel)	-	IS 1448 (Part 20)	One	Each Control Unit	