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उत्पाद मैनुअल

**Dodine Wettable Powder (WP) — Specification
IS 13785 : 2026 के अनुसार**

**Product Manual For
Dodine Wettable Powder (WP) — Specification
According to IS 13785 : 2026**

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 13785 : 2026
	शीर्षक Title	:	Dodine Wettable Powder (WP) — Specification
	संशोधनों की संख्या No. of amendments	:	NIL
2.	नमूना दिशानिर्देश Sampling Guidelines		
a)	कच्चा माल Raw material	:	Raw material shall be conforming to the requirements specified in Clause 3.1.1 of IS 13785: 2026. Note: This section indicates the requirements for raw material (if specified in the IS) for which compliance is to be established during Grant of Licence/Change in Scope of Licence/Factory Surveillance.
b)	समूहीकरण दिशानिर्देश Grouping Guidelines	:	Please refer ANNEX– A
c)	नमूने का परिमाण Sample Quantity	:	500 gm 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 (in case of market surveillance, effort may be made to procure the required 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		- Name of the product - Nominal Value Note: Apart from the above, any other requirements/parameters may also be declared as per the standard, as applicable.
3.	परीक्षण उपकरणों की सूची List of Test Equipment	:	Please refer ANNEX – B
4.	निरीक्षण और परीक्षण की स्कीम Scheme of Inspection and Testing	:	Please refer ANNEX – C
5.	एक दिन में संभावित परीक्षण Possible tests in a day		
	i. Description ii. Diodine Content iii. Wettability iv. Acidity (as H ₂ SO ₄) Or Alkalinity (as NaOH) v. Suspensibility vi. Sieving 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 13785 : 2026 with the following scope:		
	Name of the product	Diodine WP	
	Nominal Value	Group-1/Group-2/Group-3	

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ANNEX-A
GROUPING GUIDELINES

1) Based on the nominal value of Dodine content, there are 3 groups defined in the Standard:

- i. Group 1- upto 9%
- ii. Group 2- Above 9% and below 50%
- iii. Group 3- 50% and above

2) Considering the above, following grouping guidelines for GoL/CSoL have been developed:

- i. One sample of highest nominal value shall be drawn from each group to cover all nominal values falling under the group in the scope of licence.
- ii. Scope of licence shall be restricted based on the manufacturing and testing facilities available.
- iii. During operation of licence, samples of each variety covered in the scope of licence, shall be tested in rotation, to the extent possible

ANNEX– B
LIST OF TEST EQUIPMENTS
(INDICATIVE LIST, FOR GUIDANCE ONLY)

Sl. No.	Tests used in with Clause Reference	Test Equipment/Chemical
1.	Dodine Content, Cl 3.3 & Table 1	Heating Mantle (1000 ml), Titration Conical flask 250 ml, G4-Crucible, Vacuum Pump, Separating Funnel, Water Bath & Burette 50ml, Isopropanol, Acetic acid, Acetic Anhydride, Crystal violet Indicator, Perchloric acid, Erlenmeyer flask, Analytical balance (0-200 gm, LC-0.01 mg).
2.	Sieving, Cl 3.3 & Table 1	Beaker of 6.0 to 6.5 cm and 250 ml capacity, Pressure assembly, Rubber hose-of about 10 mm internal diameter, Wide mouth bottle with cork or rubber stopper, 4 to 6 mm diameter glass rod, Gooch crucible, Beakers, Camel hair brush or a feather, Weighing Dish, Analytical Weighing Balance (LC- 0.001g), Hot Air Oven capable of maintaining 54+1 °C, LC 1°C, tap water, Test sieve (75 micron IS sieve).
3.	Suspensibility, Cl 3.3 & Table 1	Beaker (6 to 6.5 cm and 250 ml capacity), Pressure assembly (25 g/sq cm), Graduated cylinder capacity 250 ml with ground glass stopper, Glass tube, 40 cm long and with an internal diameter of 5 mm, Vacuum pump, Water Bath, Analytical Balance, Calcium Chloride Anhydrous, Magnesium Chloride Hexahydrate, Distilled Water.
4.	Acidity (as H ₂ SO ₄) Or Alkalinity (as NaOH), Cl 3.3 & Table 1	Methyl red indicator (Aqueous 1 % m/v) or Bromocresol purple indicator (Aqueous 1 % m/v), Standard Sodium Hydroxide solution (0.05N), Standard Hydrochloric Acid (0.05N), Weighing Balance, Conical Flask, Burette.
5.	Wettability, Cl 3.3 & Table 1	Analytical Balance, Stopwatch, Beaker - of 6.0 to 6.5 cm and 250 ml capacity, Standard hard water.

ANNEX- C

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 the Standard 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 different tests 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: the entire quantity of material finally blended in a blender in one operation.

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 Schedule of the licence shall be incorporated legibly and indelibly on each container, provided always that the material in each container to which this mark is thus applied conforms to every requirement of the specification.

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

3.2 Additional Marking requirements: Additionally, the following shall also be marked on each container:

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

4. REJECTION - 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
LEVELS OF CONTROL

(1)				(2)		
Test Details				Levels of Control		
Cl.	Requirement	Test Method Cl. Ref.	Test Method IS	No. of Sample	Frequency	Remarks
3.2	Description	3.2	IS 13785	One	Each Control unit	
3.3 & Table 1	Dodine Content	Annex B	IS 13785	-do-	-do-	
-do-	Sieving	11.1	IS 6940	-do-	-do-	
-do-	Suspensibility	11.2	-do-	-do-	-do-	
-do-	Acidity (as H ₂ SO ₄) Or Alkalinity (as NaOH)	--	-do-	-do-	-do-	
-do-	Wettability	11.4	-do-	-do-	-do-	