SCHEME OF TESTING AND INSPECTION
FOR CERTIFICATION OF
MANCOZEB WETTABLE POWDER
ACCORDING TO IS: 8708:2006 (first revision)
(BATCH PROCESS)

1.0 **Laboratory** - A laboratory shall be maintained which shall be suitably equipped and staffed to carry out the different tests in accordance with the methods given in the Indian Standards.

2.0 **Test Record** - All records of analysis and tests shall be kept in suitable forms approved by the Bureau of Indian Standards.

2.1 Copies of any records that may be required by BIS shall be made available at any time on request.

2.2 **Quality Control** - It is recommended that, as far as possible, Statistical Quality Control (SQC) methods may be used for controlling the quality of the products as envisaged in this Scheme [See IS 397 (Part 1): 2003, IS 397 (Part 2): 2003 and IS 397 (Part 3): 2003].

2.2.1 The following instruments/equipments are required to be brought under calibration control, as per frequency to be decided depending upon the usage.

2.3 In addition, effort should be made to gradually introduce a Quality Management System in accordance with IS/ISO 9001:2000.

3.0 **Standard Mark** - The Standard Mark(s) as given in Column (l) of the first Schedule of the licence shall be printed/stenciled on each container of Mancozeb water dispersible powder concentrates or printed on the label applied to the container, as the case may be, provided always that the material in each container to which this Marks is thus applied conforms to every requirement of the specification.

4.0 **Marking** - In addition, the following information should be given on each container or on the label attached to it:

a) Name of the material;
b) Indication of the source of the manufacturer;
c) Date of manufacture;
d) Date of Expiry;
e) Batch No./Control unit No.;
f) Net mass;
g) Nominal mancozeb content, percent (m/m);
h) The cautionary notice worded as in the Insecticides Act 1968 & Rules framed there under;
j) Any other information required under the standards of weights & Measures (Packaged Commodity Rules 1977;
k) Licence No.(CM/L___________________);
l) BIS website address (www.bis.org.in.)

5.0 Packing – The material shall be packed according to the requirements given in Clause 4 of IS 8708:2006.

6.0 Levels of Control – The tests, as indicated in Table 1 and at the level of control specified therein, shall be carried out on the whole production of factory which is covered by this scheme and appropriate records and charts maintained in accordance with paragraph 2 above. “All the production which conforms to the Indian Standard and covered by this licence shall be marked with ISI Certification mark”.

6.1 Control Unit- For the purpose of this scheme, the material blended in the mixer in one operation shall constitute a control unit.

6.1.1 On the basis of test results, decision regarding conformity or otherwise of a control unit to the given requirement shall be made as follows:

6.1.2 Each of the samples taken from the control unit and tested shall satisfy all requirements of the specification. If the sample fails in any of these requirements the entire quantity of the material in the control unit shall be considered unfit for the purpose of marking.

6.1.3 However the material in such control unit may be suitably reprocessed and the defects rectified. Such reprocessed material shall satisfy all the requirements of the specification before it is used for marking.

7.0 Raw Materials – Mancozeb technical employed in the manufacture of this material shall conform to IS: 8707:1978, specification for Mancozeb, Technical. Each consignment of such raw material received, shall be covered by a test certificate from the supplier or manufacturer guaranteeing its conformity to the relevant Indian Standard or alternatively a sample from each consignment shall be tested for the same and records maintained. However, no testing or test certificates may be necessary if the material carries the relevant ISI mark.

7.1 Routine analysis of each consignment of other raw materials received in the factory shall be carried out and appropriate records maintained.
8.0 In respect of all other clauses of the specification and at all stages of manufacture, the factory shall maintain appropriate controls and checks to ensure that their product conforms to the various requirements of the specification. In addition, only statutorily approved formulations shall be manufactured and marked.

9.0 **Rejection** - A separate record shall be maintained giving information relating to the rejection of units of Product A, which do not conform to the specification and the method of their disposal. Such material, if packed in containers, shall in no case be stored together with that conforming to the specification.

10.0 **Samples** - The licensee shall supply, free of charge, the sample or samples required in accordance with the Bureau of Indian Standards (Certification) Regulations from his factory or godown. BIS shall pay for the samples taken by it from the open market.

11.0 **Replacement** - Whenever a complaint is received soon after the goods with the Standard Mark have been purchased and used, and if there is adequate evidence that the goods have not been misused, defective goods or their components shall be replaced or repaired free of cost by the licensee in case the complaint is proved to be genuine and the warranty period (where applicable) has not expired. The final authority to judge conformity of the product to the Indian Standard shall be with BIS. The firm should have its own complaint investigation systems as per IS 15400.

11.1 In the event of any damages caused by the goods bearing the Standard Mark, or claim being filed by the consumer against BIS Standard Mark and not "conforming to" the relevant Indian Standard, entire liability arising out of such non conforming product shall be of licensee and BIS shall not in any way be responsible in such cases.

12.0 **Stop Marking** - The marking of the product shall be stopped under intimation to BIS, if at any time, there is some difficulty in maintaining the conformity of the product to the specification or the testing equipment goes out of order. The marking may be resumed as soon as the defects are removed under intimation to BIS.

The marking of the product shall be stopped immediately if directed to do so by BIS for any reason. The marking may then be resumed only after permission by BIS. The information regarding resumption of marking shall also be sent to BIS.

13.0 **Production Data** - The licensee shall send to BIS as per the enclosed proforma to be authenticated by a Chartered Accountant or by the manufacturer by giving an affidavit /undertaking, a statement of quantity produced, marked and exported by him and the trade value thereof end of each operative year of the licence.
**IS 8708:2006**  
**MANCOZEB WETTABLE POWDER**  
**TABLE 1 LEVELS OF CONTROL (first revision)**  
(Para 6 of the Scheme of Testing and Inspection)  
(Batch Process)

<table>
<thead>
<tr>
<th>Clause</th>
<th>Requirements</th>
<th>Test Method</th>
<th>LEVELS OF CONTROL</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Test Method</td>
<td>No. of Samples</td>
<td>Frequency</td>
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<td></td>
<td></td>
<td>Clause Reference</td>
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</tr>
<tr>
<td>3.2.1</td>
<td>Description</td>
<td>2.1 IS 8708:2006</td>
<td>2*</td>
<td>Each Control Unit</td>
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<td>3.2.2</td>
<td>Sieving requirements</td>
<td>11.1 IS 6940:1982</td>
<td>2</td>
<td>-do-</td>
</tr>
<tr>
<td>3.2.3</td>
<td>Suspensibility</td>
<td>11.2 IS 6940:1982</td>
<td>2</td>
<td>-do-</td>
</tr>
<tr>
<td>3.2.4</td>
<td>Wettability</td>
<td>11.4 -do-</td>
<td>2</td>
<td>-do-</td>
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<tr>
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<td>Mancozeb content</td>
<td>App A IS 8707:1978</td>
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<td>-do-</td>
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<tr>
<td>3.3.2</td>
<td>Zinc content of Mancozeb content</td>
<td>App B IS 8707:1978</td>
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<td>-do-</td>
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<tr>
<td>3.3.3</td>
<td>Manganese content</td>
<td>App C IS 8707:1978</td>
<td>2</td>
<td>-do-</td>
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</tbody>
</table>

*The sample shall be drawn at regular intervals during production*
FROM 1 (Cl.2)
Records of tests for Mancozeb Wettable Powder Concentrates as per IS 8708:2006

<table>
<thead>
<tr>
<th>SI No.</th>
<th>Control Unit No./Batch No.</th>
<th>Date of Manufacture</th>
<th>Qty</th>
<th>Description</th>
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<th>Suspensibility</th>
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<table>
<thead>
<tr>
<th>Wettability</th>
<th>Zinc</th>
<th>Manganese content</th>
<th>Remarks</th>
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<tr>
<td>(1)</td>
<td>(2)</td>
<td>(1)</td>
<td>(2)</td>
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</tbody>
</table>
APPENDIX I
PROFORMA FOR OBTAINING PRODUCTION DETAILS
(Period to be covered by the Report being to)*

Name of Licensee
CM/L No.
Name of Articles(s) IS No.
Grade/type/Size/Variety/Class/ Rating

1.1 Brand/Trade/Name(s) of BIS Certification Marked Products

2. Total production of the article(s) licensed for certification marking
2.1 Total production of the article(s) conforming to Indian Standard

3. Production covered with BIS Certification Mark and its approximate value
   a) Quantity
   b) Value Rs.

3.1 Brand Name used on production covered under BIS Certification Mark

3.2 Calculation of marking fee on Unit-rate basis: Marking Fee per unit
   a) Unit
   b) Quantity covered with BIS Certification Mark

*Information to be filled up by BO before forwarding to the licensee.

Note: In case a clause is not applicable, suitable remarks may be given against it.

c) Marking fee rounded off in whole rupees as obtained by applying unit rates given in (a) on quantity given in (b)

4. Quantity not covered with BIS Certification Mark. If any, and the reasons for such non-coverage

4.1 Brand Name under which non certified goods were sold

5. Quantity Exported with BIS Standard Mark and its value
5.1 Brand Name under which BIS Certified goods are exported

6. Authentication by Chartered Accountant