## TEST REPORT

<table>
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<th>Ref. No. IL/D-</th>
<th>Date</th>
<th>Lab No.</th>
<th>Page No.</th>
</tr>
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<tbody>
<tr>
<td>8285</td>
<td></td>
<td>300116NL-PN-005</td>
<td>1/1</td>
</tr>
</tbody>
</table>

**Customer**
Director of Horticulture  
Nav Bahar Shimla-2  Himachal Pradesh

**Type of Sample**
Dodine 65% WP (SYLLIT 65 WP)

**Work Order No.**
NIL

**Customer's Description of Sample**
Dodine 65% WP (SYLLIT 65 WP)

**Quantity**
100 gm

**Packing, Markings, Seal**
Heat Sealed Aluminium Pouch & further Packed in Carton Box & Duly Sealed

**Mode of Receipt of Sample**
Courier

**Date of Receipt of Sample**
30/01/2016

**Batch No.**
FIL/SLT-024

**Period of Analysis**
30/01/2016 To 04/02/2016

**Date of Mfg.**
18/01/2016

**Date of Reporting**
04/02/2016

**Date of Expiry**
17/01/2018

**Visual Observation**
N/A

**Testing Protocol**
IS:13785-1993

## RESULTS

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Description</td>
<td></td>
<td>White homogenous powder free from extraneous impurities or added modifying agents it wets readily suitable.</td>
<td>The Material shall be in the form of a white homogeneous powder, free from extraneous impurities or added modifying agent (s) and shall wet readily on mixing with water providing a suspension suitable for spray.</td>
<td>IS:13785-1993</td>
</tr>
<tr>
<td>2</td>
<td>Dodine content</td>
<td>%m/m</td>
<td>64.07</td>
<td>+5-3 % of the nominal value (65)</td>
<td>IS:13785-1993</td>
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<tr>
<td>3</td>
<td>Sieving (Material Passing through 75 micron IS: Sieve)</td>
<td>%m/m</td>
<td>99.6</td>
<td>Min 99.0</td>
<td>IS:6940-1982</td>
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<tr>
<td>4</td>
<td>Suspenibility</td>
<td>%m/m</td>
<td>71.73</td>
<td>Min 70.0</td>
<td>IS:6940-1982</td>
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<tr>
<td>5</td>
<td>Alkalinity (as NaOH)</td>
<td>%m/m</td>
<td>0.1</td>
<td>Max 0.1</td>
<td>IS:6940-1982</td>
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<tr>
<td>6</td>
<td>Wettability (seconds)</td>
<td></td>
<td>115</td>
<td>Max 120</td>
<td>IS:6940-1982</td>
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</table>

**Opinion:** The submitted sample of Dodine 65% WP (SYLLIT 65 WP) Conforms to IS:13785-1993 with respect to above tests.

**End of Report**

For Idma Laboratories Limited

Authorized Signatory

---

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.
Tel. No.: 0172-2577291, 5204007, 5204029, Fax No.: 0172-2596917
## TEST REPORT

<table>
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<table>
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<tr>
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<th>Director of Horticulture</th>
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<tr>
<td>Type of Sample</td>
<td>Mancozeb 75% WP (Indofil M-45)</td>
</tr>
<tr>
<td>Work Order No.</td>
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<tr>
<td>Customer's Description of Sample</td>
<td>Mancozeb 75% WP (Indofil M-45)</td>
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<tr>
<td>Quantity</td>
<td>500 gm</td>
</tr>
<tr>
<td>Packing, Markings, Seal</td>
<td>Heat Sealed, Polythene Pouch &amp; Further Packed in Carton Box, Duly Sealed &amp; Signed</td>
</tr>
<tr>
<td>Mode of Receipt of Sample</td>
<td>By Hand</td>
</tr>
<tr>
<td>Date of Receipt of Sample</td>
<td>11/02/2016</td>
</tr>
<tr>
<td>Period of Analysis</td>
<td>11/02/2016 To 13/02/2016</td>
</tr>
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<td>Date of Reporting</td>
<td>13/02/2016</td>
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<td>Visual Observation</td>
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<tr>
<td>Testing Protocol</td>
<td>IS:8708-2006</td>
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## RESULTS

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
<th>Test Method</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Description</td>
<td></td>
<td>Yellowish green homogeneous powder. It wets readily on mixing with water providing a suspension suitable for spray.</td>
<td>IS:8708-2006</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Material Passing through 45 micron IS: Sieve</td>
<td>%</td>
<td>99.9</td>
<td>min 99</td>
<td>IS:6940</td>
</tr>
<tr>
<td>3</td>
<td>Suspensibility</td>
<td>%</td>
<td>56.5</td>
<td>min 50</td>
<td>IS:6940</td>
</tr>
<tr>
<td>4</td>
<td>Wettability</td>
<td>seconds</td>
<td>16</td>
<td>max 120</td>
<td>IS:6940</td>
</tr>
<tr>
<td>5</td>
<td>Mancozeb Content</td>
<td>%</td>
<td>75.13</td>
<td>+5-3% of the nominal value (75)</td>
<td>IS:8707</td>
</tr>
<tr>
<td>6</td>
<td>Zinc Content of Mancozeb Content</td>
<td>%</td>
<td>2.56</td>
<td>min 2.5</td>
<td>IS:8707</td>
</tr>
<tr>
<td>7</td>
<td>Manganese content of Mancozeb</td>
<td>%</td>
<td>20.45</td>
<td>min 20</td>
<td>IS:8707</td>
</tr>
</tbody>
</table>

Opinion: The submitted sample of Mancozeb 75% WP (Indofil M-45) conforms to IS:8708-2006 with respect to above tests.

**End of Report**

For Idma Laboratories Limited

Authorized Signatory

For Idma Laboratories Limited

Authorized Signatory
# TEST REPORT

**Ref. No. IL/D-** 8465  
**Date** 15/02/2016  
**Lab No.** 110216L-PP-002  
**Page No.** 1/1

**Customer**  
Director of Horticulture  
Nav Bahar Shimla-2 Himachal Pradesh

**Type of Sample**  
Mancozeb 75% WP (Indofil M-45)

**Work Order No.**  
NIL  
**Dated** 10/02/2016

**Customer's Description of Sample**  
Mancozeb 75% WP (Indofil M-45)

**Quantity**  
500 gm

**Packing, Markings, Seal**  
Heat Sealed, Polythene Pouch & Further Packed in Carton Box, Duly Sealed & Signed

**Mode of Receipt of Sample**  
By Hand

**Date of Receipt of Sample**  
11/02/2016  
**Batch No.** TM2L-8169

**Period of Analysis**  
11/02/2016 To 13/02/2016  
**Date of Mfg.** 28/01/2016

**Date of Reporting**  
13/02/2016  
**Date of Expiry** 27/01/2018

**Visual Observation**  
N/A

**Testing Protocol**  
IS:8708-2006

## RESULTS

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Description</td>
<td></td>
<td>Yellowish green homogeneous powder. It wets readily on mixing with water providing a suspension suitable for spray.</td>
<td>The Material shall be in the form of homogenous powder yellowish-to-yellowish green in colour Is shall wet readily on mixing with water providing a suspension suitable for spray.</td>
<td>IS:8708-2006</td>
</tr>
<tr>
<td>2</td>
<td>Material Passing through 45 micron IS: Sieve</td>
<td>%</td>
<td>99.7</td>
<td>min 99</td>
<td>IS:6940</td>
</tr>
<tr>
<td>3</td>
<td>Suspensibility</td>
<td>%</td>
<td>56.7</td>
<td>min 50</td>
<td>IS:6940</td>
</tr>
<tr>
<td>4</td>
<td>Wettability</td>
<td>seconds</td>
<td>14</td>
<td>max 120</td>
<td>IS:6940</td>
</tr>
<tr>
<td>5</td>
<td>Mancozeb Content</td>
<td>%</td>
<td>75.15</td>
<td>+5-3% of the nominal value (75)</td>
<td>IS:8707</td>
</tr>
<tr>
<td>6</td>
<td>Zinc Content of Mancozeb Content</td>
<td>%</td>
<td>2.53</td>
<td>min 2.5</td>
<td>IS:8707</td>
</tr>
<tr>
<td>7</td>
<td>Manganese content of Mancozeb</td>
<td>%</td>
<td>20.49</td>
<td>min 20</td>
<td>IS:8707</td>
</tr>
</tbody>
</table>

**Opinion:** The submitted sample of Mancozeb 75% WP (Indofil M-45) conforms to IS:8708-2006 with respect to above tests.

**End of Report**

For Idma Laboratories Limited  
Authorized Signatory  
TM/I/II/III

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Idma Corporate Park, 391 Industrial Area, Phase-I, Panchkula, Harvana.
# TEST REPORT

**Ref. No. I/L/D-8466**

**Date** 15-02-16  
**Lab No.** 110216L-PP-003  
**Page No.** 1/1

**Customer** Director of Horticulture  
**Work Order No.** NIL  
**Customer’s Description of Sample** Mancozeb 75% WP (Indofil M-45)

**Type of Sample** Mancozeb 75% WP (Indofil M-45)  
**Quantity** 500 gm  
**Packing, Markings, Seal** Heat Sealed, Polythene Pouch & Further Packed in Carton Box, Duly Sealed & Signed  
**Mode of Receipt of Sample** By Hand  
**Date of Receipt of Sample** 11/02/2016  
**Period of Analysis** 11/02/2016 To 13/02/2016  
**Date of Reporting** 13/02/2016  
**Date of Mfg.** 28/01/2016  
**Date of Expiry** 27/01/2018  
**Batch No.** TMZL-6176

**Visual Observation** N/A

**Testing Protocol** IS:8708-2006

## RESULTS

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<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
<th>Test Method</th>
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<tbody>
<tr>
<td>1</td>
<td>Description</td>
<td>-</td>
<td>Yellowish green homogeneous powder. It wets readily on mixing with water providing a suspension suitable for spray.</td>
<td>The Material shall be in the form of homogenous powder yellowish-to-yellowish green in colour is shall wet readily on mixing with water providing a suspension suitable for spray.</td>
<td>IS:8708-2006</td>
</tr>
<tr>
<td>2</td>
<td>Material Passing through 45 micron IS: Sieve</td>
<td>%</td>
<td>99.4 %</td>
<td>min 99</td>
<td>IS:6940</td>
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<tr>
<td>3</td>
<td>Susceptibility</td>
<td>%</td>
<td>56.5 %</td>
<td>min 50</td>
<td>IS:6940</td>
</tr>
<tr>
<td>4</td>
<td>Wettability</td>
<td>seconds</td>
<td>15</td>
<td>max 120</td>
<td>IS:6940</td>
</tr>
<tr>
<td>5</td>
<td>Mancozeb Content</td>
<td>%</td>
<td>75.10 %</td>
<td>+5-3% of the nominal value (75)</td>
<td>IS:8707</td>
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<tr>
<td>6</td>
<td>Zinc Content of Mancozeb Content</td>
<td>%</td>
<td>2.65</td>
<td>min 2.5</td>
<td>IS:8707</td>
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<tr>
<td>7</td>
<td>Manganese content of Mancozeb</td>
<td>%</td>
<td>20.51</td>
<td>min 20</td>
<td>IS:8707</td>
</tr>
</tbody>
</table>

**Opinion:** The submitted sample of Mancozeb 75% WP (Indofil M-45) conforms to IS:8708-2006 with respect to above tests.

**End of Report**

For Idma Laboratories Limited  
Authorized Signatory  
TM/III/II/II

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.
**TEST REPORT**

Ref. No. IL/D- **8467**  
Date **15-02-16**  
Lab No. **110216L-PP-004**  
Page No. **1/1**

**Customer**  
Director of Horticulture  
Nav Bahar Shimla-2  Himachal Pradesh

**Type of Sample**  
Mancozeb 75% WP (Indofil M-45)

**Work Order No.**  
NIL  
**Dated** 10/02/2016

**Customer's Description of Sample**  
Mancozeb 75% WP (Indofil M-45)

**Quantity**  
500 gm

**Packing, Markings, Seal**  
Heat Sealed, Polythene Pouch & Further Packed in Carton Box, Duly Sealed & Signed

**Mode of Receipt of Sample**  
By Hand

**Date of Receipt of Sample**  
11/02/2016  
**Batch No.** TMZL-8171

**Period of Analysis**  
11/02/2016 To 13/02/2016  
**Date of Mfg.** 28/01/2016

**Date of Reporting**  
13/02/2016  
**Date of Expiry** 27/01/2018

**Visual Observation**  
N/A

**Testing Protocol**  
IS:8708-2006

---

**RESULTS**

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<th>Specifications</th>
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<tbody>
<tr>
<td>1</td>
<td>Description</td>
<td></td>
<td>Yellowish green homogeneous powder. It wets readily on mixing with water providing a suspension suitable for spray.</td>
<td>The Material shall be in the form of homogenous powder yellowish-to-yellowish green in colour is shall wet readily on mixing with water providing a suspension suitable for spray.</td>
<td>IS:8708-2006</td>
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<tr>
<td>2</td>
<td>Material Passing through 45 micron IS: Sieve</td>
<td>%</td>
<td>99.7</td>
<td>min 99</td>
<td>IS:6940</td>
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<tr>
<td>3</td>
<td>Suspensibility</td>
<td>%</td>
<td>56.4</td>
<td>min 50</td>
<td>IS:6940</td>
</tr>
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<td>4</td>
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<tr>
<td>5</td>
<td>Mancozeb Content</td>
<td>%</td>
<td>75.16</td>
<td>+5-3% of the nominal value (75)</td>
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<tr>
<td>6</td>
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<td>2.56</td>
<td>min 2.5</td>
<td>IS:8707</td>
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<td>%</td>
<td>20.47</td>
<td>min 20</td>
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**Opinion:** The submitted sample of Mancozeb 75% WP (Indofil M-45) conforms to IS:8708-2006 with respect to above tests.

**End of Report**

For Idma Laboratories Limited

Authorized Signatory

**JAS-ANZ**

Idma Corporate Park, 201, Industrial Area, Phase I, Panchkula, Harayana
# TEST REPORT

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**Customer**  
Director of Horticulture  
Nav Bahar Shimla-2 Himachal Pradesh

**Type of Sample**  
Mancozeb 75% WP (Indofil M-45)

**Work Order No.**  
NIL  
Dated 10/02/2016

**Customer's Description of Sample**  
Mancozeb 75% WP (Indofil M-45)

**Quantity**  
500 gm

**Packing, Markings, Seal**  
Heat Sealed, Polythene Pouch & Further Packed in Carton Box, Duly Sealed & Signed

**Mode of Receipt of Sample**  
By Hand

**Date of Receipt of Sample**  
11/02/2016  
Batch No. TMZL-8172

**Period of Analysis**  
11/02/2016 To 13/02/2016  
Date of Mfg. 29/01/2016

**Date of Reporting**  
13/02/2016  
Date of Expiry 28/01/2018

**Visual Observation**  
N/A

**Testing Protocol**  
IS:8708-2006

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## RESULTS

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<tr>
<th>S.No.</th>
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<th>Units</th>
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<th>Specifications</th>
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<tbody>
<tr>
<td>1</td>
<td>Description</td>
<td></td>
<td>Yellowish green homogenous powder. It wets readily on mixing with water providing a suspension suitable for spray.</td>
<td>The Material shall be in the form of homogenous powder yellowish-to-yellowish green in colour is shall wet readily on mixing with water providing a suspension suitable for spray.</td>
<td>IS:8708-2006</td>
</tr>
<tr>
<td>2</td>
<td>Material Passing through 45 micron IS: Sieve</td>
<td>%</td>
<td>99.7</td>
<td>min 99</td>
<td>IS:6940</td>
</tr>
<tr>
<td>3</td>
<td>Suspensibility</td>
<td>%</td>
<td>56.8</td>
<td>min 50</td>
<td>IS:6940</td>
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<td>4</td>
<td>Wettability</td>
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<td>14</td>
<td>max 120</td>
<td>IS:6940</td>
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<tr>
<td>5</td>
<td>Mancozeb Content</td>
<td>%</td>
<td>75.17</td>
<td>+5-3% of the nominal value (75)</td>
<td>IS:8707</td>
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<tr>
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<td>%</td>
<td>2.62</td>
<td>min 2.5</td>
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<tr>
<td>7</td>
<td>Manganese content of Mancozeb</td>
<td>%</td>
<td>20.54</td>
<td>min 20</td>
<td>IS:8707</td>
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</table>

Opinion: The submitted sample of Mancozeb 75% WP (Indofil M-45) conforms to IS:8708-2006 with respect to above tests.

**End of Report**

For Idma Laboratories Limited

Authorized Signatory  
TM/I/II/III

---

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.
# TEST REPORT

**Idma Laboratories Limited**  
(A Government Approved Test House)  
NABL/MOEF/BIS/State Pollution Boards/Drug & Cosmetic Act/ISO 9001; 14001; 18001 Certified

<table>
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**Customer**  
Director of Horticulture  
Nav Bahar Shimla-2 Himachal Pradesh

**Type of Sample**  
Mancozeb 75% WP (Indofil M-45)

**Work Order No.**  
NIL  
**Dated**  
10/02/2016

**Customer's Description of Sample**  
Mancozeb 75% WP (Indofil M-45)

**Quantity**  
500 gm

**Packing, Markings, Seal**  
Heat Sealed, Polythene Pouch & Further Packed in Carton Box, Duly Sealed & Signed

**Mode of Receipt of Sample**  
By Hand

**Date of Receipt of Sample**  
11/02/2016  
**Batch No.**  
TMZL-8173

**Period of Analysis**  
11/02/2016 To 13/02/2016  
**Date of Mfg.**  
29/01/2016

**Date of Reporting**  
13/02/2016  
**Date of Expiry**  
28/01/2018

**Visual Observation**  
N/A

**Testing Protocol**  
IS:8708-2006

---

## RESULTS

<table>
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<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
<th>Test Method</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Description</td>
<td></td>
<td>Yellowish green homogeneous powder. It wets readily on mixing with water providing a suspension suitable for spray.</td>
<td>The Material shall be in the form of homogenous powder yellowish-to-yellowish green in colour is shall wet readily on mixing with water providing a suspension suitable for spray.</td>
<td>IS:8708-2006</td>
</tr>
<tr>
<td>2</td>
<td>Material Passing through 45 micron IS: Sieve</td>
<td>%</td>
<td>99.6</td>
<td>min 99</td>
<td>IS:6940</td>
</tr>
<tr>
<td>3</td>
<td>Suspensibility</td>
<td>%</td>
<td>56.5</td>
<td>min 50</td>
<td>IS:6940</td>
</tr>
<tr>
<td>4</td>
<td>Wettability</td>
<td>seconds</td>
<td>13</td>
<td>max 120</td>
<td>IS:6940</td>
</tr>
<tr>
<td>5</td>
<td>Mancozeb Content</td>
<td>%</td>
<td>75.14</td>
<td>+6-3% of the nominal value (75)</td>
<td>IS:8707</td>
</tr>
<tr>
<td>6</td>
<td>Zinc Content of Mancozeb Content</td>
<td>%</td>
<td>2.52</td>
<td>min 2.5</td>
<td>IS:8707</td>
</tr>
<tr>
<td>7</td>
<td>Manganese content of Mancozeb</td>
<td>%</td>
<td>20.50</td>
<td>min 20</td>
<td>IS:8707</td>
</tr>
</tbody>
</table>

**Opinion:** The submitted sample of Mancozeb 75% WP (Indofil M-45) conforms to IS:8708-2006 with respect to above tests.

**End of Report**

---

For Idma Laboratories Limited

Authorized Signatory

TM/II/III

---

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.
# TEST REPORT

<table>
<thead>
<tr>
<th>Ref. No. IL/D-</th>
<th>8470</th>
<th>Date</th>
<th>15-02-16</th>
<th>Lab No.</th>
<th>110216L-PP-007</th>
<th>Page No.</th>
<th>1/1</th>
</tr>
</thead>
</table>

**Customer**
Director of Horticulture
Nav Bahar Shimla-2 Himachal Pradesh

**Type of Sample**
Mancozeb 75% WP (Indofil M-45)

**Work Order No.**
NIL

**Customer's Description of Sample**
Mancozeb 75% WP (Indofil M-45)

**Quantity**
500 gm

**Packing, Markings, Seal**
Heat Sealed, Polythene Pouch & Further Packed in Carton Box, Duly Sealed & Signed

**Mode of Receipt of Sample**
By Hand

**Date of Receipt of Sample**
11/02/2016

**Batch No.**
TMZL-8174

**Period of Analysis**
11/02/2016 To 13/02/2016

**Date of expiry**
28/01/2018

**Visual Observation**
N/A

**Testing Protocol**
IS:8708-2006

---

## RESULTS

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Description</td>
<td></td>
<td>Yellowish green homogeneous powder. It wets readily on mixing with water providing a suspension suitable for spray.</td>
<td>The Material shall be in the form of homogeneous powder yellowish-to-yellowish green in colour that shall wet readily on mixing with water providing a suspension suitable for spray.</td>
<td>IS:8708-2006</td>
</tr>
<tr>
<td>2</td>
<td>Material Passing through 45 micron IS: Sieve</td>
<td>%</td>
<td>99.6</td>
<td>min 99</td>
<td>IS:6940</td>
</tr>
<tr>
<td>3</td>
<td>Susceptibility</td>
<td>%</td>
<td>56.5</td>
<td>min 50</td>
<td>IS:6940</td>
</tr>
<tr>
<td>4</td>
<td>Wettability</td>
<td>seconds</td>
<td>16</td>
<td>max 120</td>
<td>IS:6940</td>
</tr>
<tr>
<td>5</td>
<td>Mancozeb Content</td>
<td>%</td>
<td>75.20</td>
<td>+5-3% of the nominal value (75)</td>
<td>IS:8707</td>
</tr>
<tr>
<td>6</td>
<td>Zinc Content of Mancozeb Content</td>
<td>%</td>
<td>2.61</td>
<td>min 2.5</td>
<td>IS:8707</td>
</tr>
<tr>
<td>7</td>
<td>Manganese content of Mancozeb</td>
<td>%</td>
<td>20.50</td>
<td>min 20</td>
<td>IS:8707</td>
</tr>
</tbody>
</table>

**Opinion:** The submitted sample of Mancozeb 75% WP (Indofil M-45) conforms to IS:8708-2006 with respect to above tests.

**End of Report**

For Idma Laboratories Limited

Authorized Signatory
TM/II/III

---

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.

Tel. No.: 0172-2577201, 5064507, 5064520, Fax No.: 01-172-2593687

---

JAS-ANZ

AN ISO 9001:2008
# TEST REPORT

<table>
<thead>
<tr>
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<th>Date</th>
<th>Lab No.</th>
<th>Page No.</th>
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<tbody>
<tr>
<td>8471</td>
<td>15-02-16</td>
<td>110216L-PP-008</td>
<td>1/1</td>
</tr>
</tbody>
</table>

## Customer
Director of Horticulture
Nav Bahar Shimla-2 Himachal Pradesh

## Type of Sample
Mancozeb 75% WP (Indofil M-45)

## Work Order No.
NIL

## Dated
10/02/2016

## Customer's Description of Sample
Mancozeb 75% WP (Indofil M-45)

## Quantity
500 gm

## Packing, Markings, Seal
Heat Sealed, Polythene Pouch & Further Packed in Carton Box, Duly Sealed & Signed

## Mode of Receipt of Sample
By Hand

## Date of Receipt of Sample
11/02/2016

## Batch No.
TMZL-8175,

## Period of Analysis
11/02/2016 To 13/02/2016

## Date of Mfg.
29/01/2016

## Date of Reporting
13/02/2016

## Date of Expiry
28/01/2018

## Visual Observation
N/A

## Testing Protocol
IS:8708-2006

---

## RESULTS

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Discription</td>
<td></td>
<td>Yellowish green homogeneous powder. It wets readily on mixing with water providing a suspension suitable for spray.</td>
<td>The Material shall be in the form of homogenous powder yellowish-to-yellowish green in colour is shall wet readily on mixing with water providing a suspension suitable for spray.</td>
<td>IS:8708-2006</td>
</tr>
<tr>
<td>2</td>
<td>Material Passing through 45 micron IS: Sieve</td>
<td>%</td>
<td>99.7</td>
<td>min 99</td>
<td>IS:6940</td>
</tr>
<tr>
<td>3</td>
<td>Suspenability</td>
<td>%</td>
<td>56.6</td>
<td>min 50</td>
<td>IS:6940</td>
</tr>
<tr>
<td>4</td>
<td>Wettability</td>
<td>seconds</td>
<td>18</td>
<td>max 120</td>
<td>IS:6940</td>
</tr>
<tr>
<td>5</td>
<td>Mancozeb Content</td>
<td>%</td>
<td>75.12</td>
<td>+5-3% of the nominal value (75)</td>
<td>IS:8707</td>
</tr>
<tr>
<td>6</td>
<td>Zinc Content of Mancozeb Content</td>
<td>%</td>
<td>2.54</td>
<td>min 2.5</td>
<td>IS:8707</td>
</tr>
<tr>
<td>7</td>
<td>Manganese content of Mancozeb</td>
<td>%</td>
<td>20.38</td>
<td>min 20</td>
<td>IS:8707</td>
</tr>
</tbody>
</table>

**Opinion:** The submitted sample of Mancozeb 75% WP (Indofil M-45) conforms to IS:8708-2006 with respect to above tests.

**End of Report**

For Idma Laboratories Limited

Authorized Signatory

TM/I/II/III

---

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.
## TEST REPORT

<table>
<thead>
<tr>
<th>Ref. No. IL/D-</th>
<th>Date</th>
<th>Lab No.</th>
<th>Page No.</th>
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</thead>
<tbody>
<tr>
<td>8472</td>
<td>15.02.16</td>
<td>110216NL-PN-003</td>
<td>1/1</td>
</tr>
</tbody>
</table>

**Customer**

Director of Horticulture  
Nav Bahar Shimla-2 Himachal Pradesh

**Type of Sample**

Dodine 65% WP (NOOR)

**Work Order No.**

NIL

**Customer’s Description of Sample**

Dodine 65% WP (NOOR)

**Quantity**

100 gm

**Packing, Markings, Seal**

Heat Sealed Polythene Pouch & Further Packed in Carton Box, Duly Sealed & Signed

**Mode of Receipt of Sample**

By Hand

**Date of Receipt of Sample**

11/02/2016

**Batch No.**

DNR-123

**Period of Analysis**

11/02/2016 To 13/02/2016

**Date of Mfg.**

20/01/2016

**Date of Expiry**

19/01/2018

**Visual Observation**

N/A

**Testing Protocol**

IS:13785-1993

### RESULTS

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Description</td>
<td></td>
<td>White homogeneous powder free from extraneous impurities or added modifying agents. It wets readily suitable for spray.</td>
<td>IS:13785-1993</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>Dodine content</td>
<td>07</td>
<td>65.07</td>
<td>+5-3 % of the nominal value (65)</td>
<td>IS:13785-1993</td>
</tr>
<tr>
<td>3</td>
<td>Sieving (Material Passing through 75 micron IS: Sieve)</td>
<td>%m/m</td>
<td>99.6</td>
<td>Min 99.0</td>
<td>IS:6940-1982</td>
</tr>
<tr>
<td>4</td>
<td>Suspensibility</td>
<td>%m/m</td>
<td>71.75</td>
<td>Min 70.0</td>
<td>IS:6940-1982</td>
</tr>
<tr>
<td>5</td>
<td>Alkalinity (as NaOH)</td>
<td>%m/m</td>
<td>0.1</td>
<td>Max 0.1</td>
<td>IS:6940-1982</td>
</tr>
<tr>
<td>6</td>
<td>Wettability</td>
<td>seconds</td>
<td>110</td>
<td>Max 120</td>
<td>IS:6940-1982</td>
</tr>
</tbody>
</table>

**Opinion:** The submitted sample of dodine 65% WP (NOOR) Conforms to IS:13785-1993 with respect to above tests.

**End of Report**

For Idma Laboratories Limited

Authorized Signatory
### TEST REPORT

**Ref. No. IL/D-** 8459  
**Date** 15/02/16  
**Lab No.** 110216L-PP-009  
**Page No.** 1/1

| Customer                | Directorate Of Horticulture  
|-------------------------|-------------------------------
|                         | Senior Plant Protection Officer, Nav Bahar, Shimla-171002, Himachal Pradesh  
|                         | Shimla-171002, Himachal Pradesh |

| Type of Sample          | Mancozeb 75% WP (Uthane M45)  
|-------------------------|----------------------------------
| Work Order No.          | NIL                              
|                         | Dated 10/02/2016                 

| Customer's Description of Sample | Mancozeb 75% WP (Uthane M45)  
|---------------------------------|----------------------------------
| Quantity                        | 500 gm                           
| Packing, Markings, Seal         | Heat Sealed Aluminum Pouch & Further Packed HDPE Bag duly seal & signed  
| Mode of Receipt of Sample       | By Hand                          
| Date of Receipt of Sample       | 11/02/2016                       
| Period of Analysis              | 11/02/2016 To 13/02/2016         
| Date of Reporting               | 13/02/2016                       
| Visual Observation              | N/A                              
| Testing Protocol                | IS:8708-2006                     

### RESULTS

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Description</td>
<td></td>
<td>Yellowish green homogenous powder. It wets readily on mixing with water providing a suspension suitable for spray.</td>
<td>The Material shall be in the form of homogenous powder yellowish-to-yellowish green in colour is shall wet readily on mixing with water providing a suspension suitable for spray.</td>
<td>IS:8708-2006</td>
</tr>
<tr>
<td>2</td>
<td>Material Passing through 45 micron IS: Sieve</td>
<td>%</td>
<td>99.4</td>
<td>min 99</td>
<td>IS:6940</td>
</tr>
<tr>
<td>3</td>
<td>Suspensibility</td>
<td>%</td>
<td>56.8</td>
<td>min 50</td>
<td>IS:6940</td>
</tr>
<tr>
<td>4</td>
<td>Wettability</td>
<td>seconds</td>
<td>16</td>
<td>max 120</td>
<td>IS:6940</td>
</tr>
<tr>
<td>5</td>
<td>Mancozeb Content</td>
<td>%</td>
<td>75.21</td>
<td>+5-3% of the nominal value (75)</td>
<td>IS:8707</td>
</tr>
<tr>
<td>6</td>
<td>Zinc Content of Mancozeb Content</td>
<td>%</td>
<td>2.59</td>
<td>min 2.5</td>
<td>IS:8707</td>
</tr>
<tr>
<td>7</td>
<td>Manganese content of Mancozeb</td>
<td>%</td>
<td>20.52</td>
<td>min 20</td>
<td>IS:8707</td>
</tr>
</tbody>
</table>

**Opinion:** The submitted sample of Mancozeb 75% WP (Uthane M45) Conforms to IS:8708-2006 with respect to above tests.

**End of Report**

For Idma Laboratories Limited

Authorized Signatory

TM//II/III

JAS-ANZ

# TEST REPORT

**Ref. No. IL/D-** 8461  
**Date** 15-02-16  
**Lab No.** 110216L-PP-010  
**Page No.** 1/1

<table>
<thead>
<tr>
<th>Ref. No. IL/D-</th>
<th>Date</th>
<th>Lab No.</th>
<th>Page No.</th>
<th>Test Report Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>8461</td>
<td>15-02-16</td>
<td>110216L-PP-010</td>
<td>1/1</td>
<td>Details of Test Report</td>
</tr>
</tbody>
</table>

**Customer**  
Directorate Of Horticulture  
Senior Plant Protection Officer, Nav Bahar, Shimla-171002, Himachal Pradesh  
Shimla-171002, Himachal Pradesh

**Type of Sample**  
Mancozeb 75% WP (Uthane M45)

**Work Order No.**  
NIL  
Dated 10/02/2016

**Customer's Description of Sample**  
Mancozeb 75% WP (Uthane M45)

**Quantity**  
500 gm

**Packing, Markings, Seal**  
Heat Sealed Aluminum Pouch & Further Packed HDPE Bag duly seal & signed

**Mode of Receipt of Sample**  
By Hand

**Date of Receipt of Sample**  
11/02/2016  
**Batch No.**  
AN5SMZ20386

**Period of Analysis**  
11/02/2016 To 13/02/2016  
**Date of Mfg.**  
19/01/2016

**Date of Reporting**  
13/02/2016  
**Date of Expiry**  
18/01/2018

**Visual Observation**  
N/A

**Testing Protocol**  
IS:8708-2006

## RESULTS

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Discrion</td>
<td></td>
<td>--</td>
<td>Yellowish green homogeneous powder. It wets readily on mixing with water providing a suspension suitable for spray.</td>
<td>IS:8708-2006</td>
</tr>
<tr>
<td>2</td>
<td>Material Passing through 45 micron IS: Sieve</td>
<td>%</td>
<td>99.6</td>
<td>min 99</td>
<td>IS:6940</td>
</tr>
<tr>
<td>3</td>
<td>Suspensibility</td>
<td>%</td>
<td>56.6</td>
<td>min 50</td>
<td>IS:6940</td>
</tr>
<tr>
<td>4</td>
<td>Wettability</td>
<td>seconds</td>
<td>19</td>
<td>max 120</td>
<td>IS:6940</td>
</tr>
<tr>
<td>5</td>
<td>Mancozeb Content</td>
<td>%</td>
<td>75.11</td>
<td>+5-3% of the nominal value (75)</td>
<td>IS:8707</td>
</tr>
<tr>
<td>6</td>
<td>Zinc Content of Mancozeb Content</td>
<td>%</td>
<td>2.55</td>
<td>min 2.5</td>
<td>IS:8707</td>
</tr>
<tr>
<td>7</td>
<td>Manganese content of Mancozeb</td>
<td>%</td>
<td>20.35</td>
<td>min 20</td>
<td>IS:8707</td>
</tr>
</tbody>
</table>

**Opinion:** The submitted sample of Mancozeb 75% WP (Uthane M45) Conforms to IS:8708-2006 with respect to above tests.

**End of Report**

For Idma Laboratories Limited  
Authorized Signatory  
TM/[I/II/III]

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.  
Tel. No.: 0172-2577391, 5064827, 5064830. Fax No.: 91-172-2583587
# TEST REPORT

**Ref. No. IL/D-** 8462  
**Date** 15-02-2016  
**Lab No.** 110216L-PP-011  
**Page No.** 1/1

**Customer**  
Directorate Of Horticulture  
Senior Plant Protection Officer, Nav Bahar, Shimla-171002, Himachal Pradesh  
Shimla-171002, Himachal Pradesh

**Type of Sample**  
Mancozeb 75% WP (Uthane M45)

**Work Order No.**  
NIL  
**Dated** 10/02/2016

**Customer's Description of Sample**  
Mancozeb 75% WP (Uthane M45)

**Quantity**  
500 gm

**Packing, Markings, Seal**  
Heat Sealed Aluminum Pouch & Further Packed HDPE Bag duly seal & signed

**Mode of Receipt of Sample**  
By Hand

**Date of Receipt of Sample**  
11/02/2016  
**Batch No.** ANS5M20387

**Period of Analysis**  
11/02/2016 To 13/02/2016  
**Date of Mfg.** 19/01/2016

**Date of Reporting**  
13/02/2016  
**Date of Expiry** 18/01/2018

**Visual Observation**  
N/A

**Testing Protocol**  
IS:8708-2006

## RESULTS

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Discription</td>
<td>--</td>
<td>Yellowish green homogeneous powder. It wets readily on mixing with water providing a suspension suitable for spray.</td>
<td>The Material shall be in the form of homogeneous powder yellowish-to-yellowish green in colour. It shall wet readily on mixing with water providing a suspension suitable for spray.</td>
<td>IS:8708-2006</td>
</tr>
<tr>
<td>2</td>
<td>Material Passing through 45 micron IS: Sieve</td>
<td>%</td>
<td>99.7</td>
<td>min 99</td>
<td>IS:6940</td>
</tr>
<tr>
<td>3</td>
<td>Suspensibility</td>
<td>%</td>
<td>56.8</td>
<td>min 50</td>
<td>IS:6940</td>
</tr>
<tr>
<td>4</td>
<td>Wettability</td>
<td>seconds</td>
<td>17</td>
<td>max 120</td>
<td>IS:6940</td>
</tr>
<tr>
<td>5</td>
<td>Mancozeb Content</td>
<td>%</td>
<td>75.14</td>
<td>+5-3% of the nominal value (75)</td>
<td>IS:8707</td>
</tr>
<tr>
<td>6</td>
<td>Zinc Content of Mancozeb Content</td>
<td>%</td>
<td>2.53</td>
<td>min 2.5</td>
<td>IS:8707</td>
</tr>
<tr>
<td>7</td>
<td>Manganese content of Mancozeb</td>
<td>%</td>
<td>20.32</td>
<td>min 20</td>
<td>IS:8707</td>
</tr>
</tbody>
</table>

Opinion: The submitted sample of Mancozeb 75% WP (Uthane M45) Conforms to IS:8708-2006 with respect to above tests.

**End of Report**

For Idma Laboratories Limited

Authorized Signatory  
TM/I/II/III

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Harvana.
# TEST REPORT

<table>
<thead>
<tr>
<th>Ref. No. IL/D-</th>
<th>Date</th>
<th>Lab No.</th>
<th>Page No.</th>
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<td>3463</td>
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<td>110216NL-PN-001</td>
<td>1/1</td>
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</table>

**Customer**
Directorate Of Horticulture
Senior Plant Protection Officer, Nav Bahar, Shimla-171002, Himachal Pradesh
Shimla-171002, Himachal Pradesh

**Type of Sample**
Oxydemeton Methyl 25%EC

**Work Order No.**
NIL

**Customer's Description of Sample**
Oxydemeton Methyl 25%EC

**Quantity**
250 ml

**Packing, Markings, Seal**
Imprinted Aluminium bottle & further packed paper envelop duly seal and sign.

**Mode of Receipt of Sample**
By Hand

**Date of Receipt of Sample**
11/02/2016

**Batch No.**
ANHMTX2501

**Date of Analysis**
11/02/2016 To 13/02/2016

**Date of Expiry**
18/01/2017

**Visual Observation**
N/A

**Testing Protocol**
IS:8259-1976

## RESULTS

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Requirement</th>
<th>Test Method</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Description</td>
<td>-</td>
<td>Yellow colour homogeneous stable liquid free from sediment &amp; suspended matter it forms om emulsion on dilution with water suitable for spray.</td>
<td>The material shall be a stable liquid and shall be free from suspended matter and sediment.</td>
<td>IS:8259-1976</td>
</tr>
<tr>
<td>2</td>
<td>Cold test at 10 deg.c</td>
<td>-</td>
<td>No turbidity or separation of solid or oily matter or both occurred at the end of the test.</td>
<td>No turbidity or separation of solid or oily matter or both shall occur at the end of the test.</td>
<td>IS:6940-1982</td>
</tr>
<tr>
<td>3</td>
<td>Flash Point</td>
<td>Deg.c</td>
<td>56</td>
<td>above 24.5</td>
<td>IS:1448(P-20)</td>
</tr>
<tr>
<td>4</td>
<td>Emulsion stability(100 ml emulsion prepared with std.hard water and kept for 1hr at 30±1°C)</td>
<td>ml</td>
<td>Creaming-Nil sediment-Nil Tota separation-Nil.</td>
<td>The creaming or the sediment, if any, shall not in either case exceed 2.0ml.</td>
<td>IS:6940-1982</td>
</tr>
<tr>
<td>5</td>
<td>Oxydemeton methyl content</td>
<td>%/m/m</td>
<td>25.48</td>
<td>±8% of the nominal value(25)</td>
<td>IS:8258-1976</td>
</tr>
<tr>
<td>6</td>
<td>Acidity (as H2SO4)</td>
<td>%/m/m</td>
<td>0.03</td>
<td></td>
<td>IS:6940-1982</td>
</tr>
</tbody>
</table>

**Opinion:** The submitted sample of oxydemeton Methyl 25%EC Conforms to IS:8259-1976 with respect to above tests.

**End of Report**

For Idma Laboratories Limited

Authorized Signatory

JAS-ANZ
# TEST REPORT

<table>
<thead>
<tr>
<th>Ref. No. IL/D-8602</th>
<th>Date</th>
<th>Lab No.</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>17.02.16</td>
<td>110218L-PP-012</td>
<td>1/1</td>
</tr>
</tbody>
</table>

**Customer**
Director of Horticulture  
Nav Bahar Shimla-2  Himachal Pradesh

**Type of Sample**  
Copper Oxychloride 50% WP (BLITOX 50 W)

**Work Order No.**  
NIL  
Dated 10/02/2016

**Customer's Description of Sample**  
Copper Oxychloride 50% WP (BLITOX 50 W)

**Quantity**  
500 gm

**Packing, Markings, Seal**  
Sample packed in a carton box & further packed in a paper envelop duly seal.

**Mode of Receipt of Sample**  
By Hand

**Date of Receipt of Sample**  
11/02/2016

**Period of Analysis**  
11/02/2016 To 15/02/2016

**Date of Reporting**  
16/02/2016

**Visual Observation**  
N/A

**Testing Protocol**  
IS:1507-1977

## RESULTS

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Description</td>
<td>-</td>
<td>Green colour free flowing homogeneous powder devoid of hard lumps and of uniform in colour it wets readily on mixing with water providing a suspension suitable for spray.</td>
<td>The material shall be in the form of free flowing homogeneous powder, devoid of hard lumps and of uniform green to greenish blue in colour, it shall wet readily on mixing with water providing suspension suitable for spray.</td>
<td>IS:1507-1977</td>
</tr>
<tr>
<td>2</td>
<td>Copper content</td>
<td>% By Mass</td>
<td>49.7</td>
<td>+5-5% of the nominal value (50)</td>
<td>IS:1506-1977</td>
</tr>
<tr>
<td>3</td>
<td>Suspensibility</td>
<td>% By Mass</td>
<td>82.1</td>
<td>Min 80.0</td>
<td>IS:6940-1982</td>
</tr>
<tr>
<td>4</td>
<td>pH of 1 % aqueous dispersion</td>
<td>-</td>
<td>7.3</td>
<td>6.0-9.5</td>
<td>IS:1507-1977</td>
</tr>
</tbody>
</table>

Opinion: The submitted sample of Copper Oxychloride 50% WP (BLITOX 50 W) Conforms to IS:1507-1977 w.r.t. the above tests.

**End of Report**

For Idma Laboratories Limited  
Authorized Signatory  
TM/III/III

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.  
Tel. No.: 0172-2577391, 5064827, 5064830  
Fax No.: 91-172-2593587  
Website: www.idmagroup.co.in  
E-mail: testing@idmagroup.co.in

JAS-ANZ  
AN ISO 9001:2008  
Turn Overleaf
# TEST REPORT

<table>
<thead>
<tr>
<th>Ref. No. IL/D-</th>
<th>Date</th>
<th>Lab No.</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8603</td>
<td>17-02-16</td>
<td>110216L-PP-013</td>
<td>1/1</td>
</tr>
</tbody>
</table>

**Customer**
Director of Horticulture
Nav Bahar Shimla-2 Himachal Pradesh

**Type of Sample**
Copper Oxychloride 50% WP (BLITOX 50 W)

**Work Order No.**
NIL

**Customer's Description of Sample**
Copper Oxychloride 50% WP (BLITOX 50 W)

**Quantity**
500 gm

**Packing, Markings, Seal**
Sample packed in a carton box & further packed in a paper envelop duly seal.

**Mode of Receipt of Sample**
By Hand

**Date of Receipt of Sample**
11/02/2016

**Period of Analysis**
11/02/2016 To 15/02/2016

**Date of Reporting**
16/02/2016

**Visual Observation**
N/A

**Testing Protocol**
IS:1507-1977

---

## RESULTS

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Description</td>
<td></td>
<td>Green colour free flowing homogeneous powder devoid of hard lumps and of uniform in colour. It wets readily on mixing with water providing a suspension suitable for spray.</td>
<td>The material shall be in the forms of free flowing homogeneous powder, devoid of hard lumps and of uniform green to greenish blue in colour. It shall wet readily on mixing with water providing suspension suitable for spray.</td>
</tr>
<tr>
<td>2</td>
<td>Copper content</td>
<td>% By Mass</td>
<td>50.12</td>
<td>+5-5% of the nominal value (50)</td>
</tr>
<tr>
<td>3</td>
<td>Suspensibility</td>
<td>% By Mass</td>
<td>85.7</td>
<td>Min 80.0</td>
</tr>
<tr>
<td>4</td>
<td>pH of 1% aqueous dispersion</td>
<td></td>
<td>7.3</td>
<td>6.0-9.5</td>
</tr>
</tbody>
</table>

**Opinion:** The submitted sample of Copper Oxychloride 50% WP (BLITOX 50 W) conforms to IS:1507-1977 w.r.t. the above tests.

**End of Report**

For Idma Laboratories Limited

Authorized Signatory
TM/I/II/III

---

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.
Tel. No.: 0172-2577391, 5064827, 5064830, Fax No.: 91-172-2583587
Website : www.idmagroup.co.in E-mail : testing@idmagroup.co.in
# TEST REPORT

<table>
<thead>
<tr>
<th>Ref. No. IL/D-</th>
<th>Date</th>
<th>Lab No.</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8607</td>
<td>17-02-16</td>
<td>120216NL-PN-002</td>
<td>1/2</td>
</tr>
</tbody>
</table>

**Customer**
Directorate Of Horticulture  
Senior Plant Protection Officer, Nav Bahar, Shimla-171002, Himachal Pradesh  
Shimla-171002, Himachal Pradesh

**Type of Sample**
Hexythiazox 5.45% w/w E.C (Maiden)

**Work Order No.**
NIL  
Dated
11/02/2016

**Customer's Description of Sample**
Hexythiazox 5.45% w/w E.C (Maiden)

**Quantity**
100 ml

**Packing, Markings, Seal**
HDPE Bottle & Further Packed paper envelope duly seal & signed

**Mode of Receipt of Sample**
Courier

**Date of Receipt of Sample**
12/02/2016

**Batch No.**
J160003

**Date of Mfg.**
01/2016

**Period of Analysis**
12/02/2016 To 17/02/2016

**Date of Reporting**
17/02/2016

**Date of Expiry**
12/2017

**Visual Observation**
N/A

**Testing Protocol**
Product Specification

## RESULTS

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Description</td>
<td></td>
<td>Light yellow Clear Stable homogeneous Liquid free from sediment and suspended matter. It forms an emulsion on dilution with water suitable for spray</td>
<td>The Material shall be in the form of clear stable &amp; homogeneous liquid free from sediment suspended matter shall be negligible It shall forms an emulsion on dilution with water suitable for spray.</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Cold test 10 deg C (for 1 hrs)</td>
<td>deg C</td>
<td>No Turbidity or separation of solid or oily matter or both occurred at the end of the test</td>
<td>No turbidity or separation of solid or oily matter or both shall occur at the end of the test.</td>
<td>IS:6940-1982</td>
</tr>
<tr>
<td>3</td>
<td>Flash Point (Abel)</td>
<td>deg C</td>
<td>47</td>
<td>Above 24.5</td>
<td>IS:1448 (P-20)</td>
</tr>
<tr>
<td>4</td>
<td>Emulsion on stability 1 of 100ml emulsion prepare with std hard water kept for 1 hrs at 30+1 deg C</td>
<td>ml</td>
<td>Creaming -Nil, sediment -Nil, Total Separation - Nil</td>
<td>Any Separation including creaming and sediment shall not exceed 2.0ml</td>
<td>IS:6940-1982</td>
</tr>
</tbody>
</table>
## TEST REPORT

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Hexythiazoxy Content</td>
<td>%m/m</td>
<td>5.48</td>
<td>+10-5% of the nominal value (5.45)</td>
<td>I.H.M</td>
</tr>
<tr>
<td>6</td>
<td>Acidity (as H2SO4)</td>
<td>%m/m</td>
<td>0.03</td>
<td>Max 0.5</td>
<td>IS:6940-1982</td>
</tr>
</tbody>
</table>

Opinion: The submitted sample of Hexythiazoxy 5.45% w/w E.C (Malden) conforms to Product Specification with respect to above tests.

**End of Report**

For Idma Laboratories Limited

Authorized Signatory
# Test Report

**Idma Laboratories Limited**  
(A Government Approved Test House)  

## Test Report

**Ref. No. ILD-** 8605  
**Date** 17-02-16  
**Lab. No.** 110216L-PP-014  
**Page No.** 1/1

| Customer | Directorate Of Horticulture  
Senior Plant Protection Officer, Nav Bahar, Shimla-171002, Himachal Pradesh  
Shimla-171002, Himachal Pradesh |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Sample</td>
<td>Malathion 50% EC (Cythion)</td>
</tr>
<tr>
<td>Work Order No.</td>
<td>NIL</td>
</tr>
<tr>
<td>Customer's Description of Sample</td>
<td>Malathion 50% EC (Cythion)</td>
</tr>
<tr>
<td>Quantity</td>
<td>250 ml</td>
</tr>
<tr>
<td>Packing, Markings, Seal</td>
<td>Sealed Tin Jar &amp; further packed in paper envelop duly seal and sign.</td>
</tr>
<tr>
<td>Mode of Receipt of Sample</td>
<td>By Hand</td>
</tr>
<tr>
<td>Date of Receipt of Sample</td>
<td>11/02/2016</td>
</tr>
<tr>
<td>Period of Analysis</td>
<td>11/02/2016 To 17/02/2016</td>
</tr>
<tr>
<td>Date of Reporting</td>
<td>17/02/2016</td>
</tr>
<tr>
<td>Date of Expiry</td>
<td>18/07/2016</td>
</tr>
<tr>
<td>Visual Observation</td>
<td>N/A</td>
</tr>
</tbody>
</table>

## Results

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Description</td>
<td></td>
<td>Yellow colour clear stable &amp; homogeneous liquid free from Sediment &amp; Suspended matter. It forms Suitable for Spray.</td>
<td>The Material shall be in the form of clear stable &amp; homogenous liquid free from sediment. Suspended matter shall be negligible. It shall form an emulsion on dilution with water suitable for spray.</td>
<td>IS:2567-1978</td>
</tr>
<tr>
<td>2</td>
<td>Cold test 100deg C (For 1 hrs)</td>
<td></td>
<td>No turbidity or separation of solid or Oily matter or both occurred at the end of the test.</td>
<td>No turbidity or separation of solid or oily matter or both shall occur at the end of the test.</td>
<td>IS:0940-1982</td>
</tr>
<tr>
<td>3</td>
<td>Flash Point (Abel)</td>
<td>deg C</td>
<td>51</td>
<td>above 24.5</td>
<td>IS:1448 (P-25) 1955</td>
</tr>
<tr>
<td>4</td>
<td>Emulsion stability (of 100ml emulsion prepared with std.hard water &amp; kept for 1 hours at 30±1 deg C)</td>
<td>ml</td>
<td>Creaming- Nil, Sediment- Nil, Tratal Separation- Nil</td>
<td>Any separation including Creaming and Sedimentation shall not exceed 2.0 ml</td>
<td>IS:0940-1982</td>
</tr>
<tr>
<td>5</td>
<td>Malathion Content</td>
<td>%/m</td>
<td>50.12</td>
<td>+5 % -3% of the nominal value (50)</td>
<td>IS:1832-1978</td>
</tr>
<tr>
<td>6</td>
<td>Acidity (as H2SO4)</td>
<td>%/m</td>
<td>0.00141</td>
<td>Max 0.5</td>
<td>IS:0940-1982</td>
</tr>
</tbody>
</table>

**Opinion:** The submitted sample of Malathion 50% EC (Cythion) Conforms to IS 2567-1978, R-2002 with respect to above tests.

**End of Report**

For Idma Laboratories Limited  
Authorized Signatory  
TM/III/II

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AN ISO 9001:2000  
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Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.  
Tel. No.: 0172-2577391, 5064827, 5064830, Fax No.: 91-172-2553587  
Website: www.idmagroup.co.in E-mail: testing@idmagroup.co.in

2/29/2016 12:11 PM
# Test Report

**Idma Laboratories Limited**  
(A Government Approved Test House)  
NABL/MODE/BIS/State Pollution Boards/Drug & Cosmetic Act/ISO 9001; 14001; 18001 Certified

**Test Report**

<table>
<thead>
<tr>
<th>Ref. No. IL/D.</th>
<th>Date</th>
<th>Lab No.</th>
<th>Page No.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8605</td>
<td>17-02-16</td>
<td>110216L-PP-014</td>
<td>1/1</td>
<td></td>
</tr>
</tbody>
</table>

**Customer**  
Directorate Of Horticulture  
Senior Plant Protection Officer, Nav Bahar, Shimla-171002, Himachal Pradesh  
Shimla-171002, Himachal Pradesh

**Type of Sample**  
Malathion 50% EC (Cythion)

**Work Order No.**  
NIL  
**Dated**  
10/02/2016

**Customer's Description of Sample**  
Malathion 50% EC (Cythion)

**Quantity**  
250 ml

**Packing, Markings, Seal**  
Sealed Tin Jar & further packed in paper envelop duly seal and sign.

**Mode of Receipt of Sample**  
By Hand

**Date of Receipt of Sample**  
11/02/2016

**Period of Analysis**  
11/02/2016 To 17/02/2016

**Date of Reporting**  
17/02/2016

**Visual Observation**  
N/A

**Testing Protocol**  
IS:2567-1978, R-2002

## Results

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Discription</td>
<td>--</td>
<td>Yellow colour clear stable &amp; homogeneous liquid free from Sediment &amp; Suspended matter. It forms Suitable for Spray.</td>
<td>The Material shall be in the form of clear stable &amp; homogenous liquid free from sediment. Suspended matter shall be negligible. It shall form an emulsion on dilution with water suitable for spray.</td>
<td>IS:2567 -1978</td>
</tr>
<tr>
<td>2</td>
<td>Cold test 10deg C (For 1 hrs)</td>
<td>--</td>
<td>No turbidity or separation of solid or Oily matter or both occurred at the end of the test.</td>
<td>No turbidity or separation of solid or oily matter or both shall occur at the end of the test</td>
<td>IS:6940 -1982</td>
</tr>
<tr>
<td>3</td>
<td>Flash Point (Abel)</td>
<td>deg C</td>
<td>51</td>
<td>above 24.5</td>
<td>IS:1448 (P-20) 1998</td>
</tr>
<tr>
<td>4</td>
<td>Emulsion stability of 100ml emulsion prepared with std.hard water &amp; kept for 1 hours at 30+/1 deg C</td>
<td>ml</td>
<td>Creaming- Nil</td>
<td>Sediment- Nil, Total Sepation- Nil</td>
<td>Any separation including Creaming and Sedimentation shall not exceed 2.0 ml</td>
</tr>
<tr>
<td>5</td>
<td>Malathion Content</td>
<td>%/m/m</td>
<td>50.12</td>
<td>+5 % -3% of the nominal value (50)</td>
<td>IS:1832 -1978</td>
</tr>
<tr>
<td>6</td>
<td>Acidity (as H2SO4)</td>
<td>%/m/m</td>
<td>0.00147</td>
<td>Max 0.5</td>
<td>IS:6940 -1982</td>
</tr>
</tbody>
</table>

**Opinion:** The submitted sample of Malathion 50% EC (Cythion) Conforms to IS:2567-1978, R-2002 with respect to above tests.

**End of Report**

For Idma Laboratories Limited  
Authorized Signatory  
TM/II/III

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.  
Tel. No.: 0172-2577391, 5064827, 5064830, Fax No.: 91-172-2583587
**TEST REPORT**

**Ref. No. ILD:** 8641  **Date:** 18.02.16  **Lab No.:** 120216NL-PN-003  **Page No.:** 1/1

<table>
<thead>
<tr>
<th>Customer</th>
<th>Directorate Of Horticulture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Work Order No.</td>
<td>NIL</td>
</tr>
<tr>
<td>Quantity</td>
<td>100 ml</td>
</tr>
<tr>
<td>Packing, Markings, Seal</td>
<td>HDPE Bottle &amp; Further packed paper envelope duly seal &amp; signed</td>
</tr>
<tr>
<td>Mode of Receipt of Sample</td>
<td>Courier</td>
</tr>
<tr>
<td>Date of Receipt of Sample</td>
<td>12/02/2016</td>
</tr>
<tr>
<td>Period of Analysis</td>
<td>12/02/2016 To 17/02/2016</td>
</tr>
<tr>
<td>Date of Reporting</td>
<td>17/02/2016</td>
</tr>
</tbody>
</table>

**Testing Protocol**

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Description</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Thiacloprid Content</td>
<td>%</td>
<td>21.81%</td>
<td>45% of the nominal value (21.7)</td>
<td>IHM</td>
</tr>
<tr>
<td>3</td>
<td>Suspsnsibility</td>
<td>%</td>
<td>86.12</td>
<td>min. 85.0%</td>
<td>IS: 6940-1982 (R-2002) Amend 2</td>
</tr>
<tr>
<td>4</td>
<td>pH of suspension at 27 Degree C</td>
<td></td>
<td>7.9</td>
<td>7.5 - 9.50</td>
<td>IS: 6940-1982 (R-2002) Amend 2</td>
</tr>
</tbody>
</table>

Opinion: The submitted sample of Thiacloprid 21.7% SC Conforms to Product Specification w.r.t above tests.

**End of Report**

For Idma Laboratories Limited

Authorized Signatory

---

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.
Tel. No.: 0172-2577391, 5064827, 5064830. Fax No.: 91-172-2583587
Website: www.idmagroup.co.in  E-mail: testing@idmagroup.co.in

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# TEST REPORT

**Ref. No. ILD-** 866  
**Date** 17-02-16  
**Lab No.** 120216NL-PN-001  
**Page No.** 1/1

**Customer**  
Directorate Of Horticulture  
Senior Plant Protection Officer, Nav Bahar, Shimla-171002, Himachal Pradesh  
Shimla-171002, Himachal Pradesh

**Type of Sample**  
Thiophanate Methyl 70% WP (ROKO)

**Work Order No.**  
NIL  
**Dated** 11/02/2016

**Customer's Description of Sample**  
Thiophanate Methyl 70% WP (ROKO)

**Quantity**  
100 gm

**Packing, Markings, Seal**  
Printed Polythene Pouch Mark ROKO & further packed Paper envelope duly seal &

**Mode of Receipt of Sample**  
Courier

**Date of Receipt of Sample**  
12/02/2016  
**Batch No.** J160004

**Period of Analysis**  
12/02/2016 To 17/02/2016  
**Date of Mfg.** 01/2016

**Date of Reporting**  
17/02/2016  
**Date of Expiry** 12/2017

**Visual Observation**  
N/A

**Testing Protocol**  
IS:14552-1998

## RESULTS

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Test Parameter</th>
<th>Units</th>
<th>Results</th>
<th>Specifications</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Description</td>
<td>--</td>
<td>Cream coloured fine free flowing homogenous powder free from extraneous impurities. It will readily on mixing with water providing a suspension suitable for spray.</td>
<td>The Material shall be in the form of a fine, free flowing light brown to cream coloured homogeneous powder, free from extraneous impurities. It shall wet readily on mixing with water providing a suspension suitable for spray. IS:14552-1998 8</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Thiophanate Methyl Content</td>
<td>%m/m</td>
<td>70.05</td>
<td>+5-3% of the nominal value (70)</td>
<td>IS:14551-1998 8</td>
</tr>
<tr>
<td>3</td>
<td>Material Passing through 75 micron IS: Sieve</td>
<td>%m/m</td>
<td>98.8</td>
<td>Min 98</td>
<td>IS:6940-1982</td>
</tr>
<tr>
<td>4</td>
<td>Susceptibility</td>
<td>%m/m</td>
<td>57.2</td>
<td>Min 50.0</td>
<td>IS:6940-1982</td>
</tr>
<tr>
<td>5</td>
<td>Acidity (as H2SO4)</td>
<td>%m/m</td>
<td>0.04</td>
<td>Max 0.20</td>
<td>IS:6940-1982</td>
</tr>
<tr>
<td>6</td>
<td>Wettability</td>
<td>seconds</td>
<td>21</td>
<td>Max 120</td>
<td>IS:6940-1982</td>
</tr>
</tbody>
</table>

Opinion: The Submitted Sample of Thiophanate Methyl 70% WP (ROKO) Conforms to IS:14552-1998 With Respect to the above tests.

**End of Report**

For Idma Laboratories Limited  
Authorized Signatory

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