



# International Testing Centre

(A Government Approved Test House)  
 86, Industrial Area, Phase-I, Panchkula-134109 (Haryana)  
 Phone : (O) 0172-2561543, 2565825, Fax : 91-172-2561543  
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27/4/15

## TEST CERTIFICATE

Issued to: Senior Plant Protection Officer,  
 Directorate of Horticulture, Navbahar,  
 Shimla - 2 (HP)

Copy to: Dr. Joginder Dhiman  
 Office of SPPO, Directorate of Horticulture,  
 Nav Bahar, Shimla -2,  
 (H.P.)

Document QF:2501  
 Page 1 of 2

Report No.	:	F-20A0215
Dated	:	22.04.2015
Ref. No.	:	Letter
Dated	:	17.04.2015

Test Report as Per IS: 8708-2006

With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : MANCOZEB 75% WP  
 (Uthane M-45)

b) Declared Values, if any : 75 %

c) Code No. : --

d) Batch No. and date of manufacture : CM5SMZ0212, DOM: 24.03.2015

e) Quantity : 1 x 500 gm

f) Mode of Packing : Packed in a poly pack (original packing)  
 & in paper envelope.

g) Date of Receipt : 20.04.2015

h) Seal : Sh. Asok D : Intact

i) IO's Signature : 27/4/15 : Signed

j) Date of Start : 20.04.2015

k) Date of Completion : 22.04.2015

l) Any other information : 23.03.2017

Date of Expiry : United Phosphorus Limited, SCO-18, 1<sup>st</sup> Floor,  
 Phase-9, SAS Nagar, Mohali (Punjab)

Manufactured By : SPPO

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant ISS/Work Instructions, if any : N.A.





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Continuation Sheet of Report No. F-20A0215

Page 2 of 2  
 Date: 22.04.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of homogenous powder yellowish in colour. It wets readily on mixing with water, providing a suspension suitable for spray.	
2.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.90
3.	Suspensibility (% by mass), Min	50.0	63.0
4.	Wettability, in seconds Max.	120	28
5.	Mancozeb content (% by mass)	75, +5%, -3% of the nominal value	75.24
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.59
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	20.77

PART D : REMARKS: The above submitted sample of Mancozeb 75% WP (Uthane M-45) CONFORMS to BIS Spec. No. 3708-2006 with respect to the above tests.

\*\*End of Report\*\*



Note: 1. This report is only for the sample tested.  
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## TEST CERTIFICATE

Issued to: Senior Plant Protection Officer,  
Directorate of Horticulture, Navbahar,  
Shimla - 2 (HP)

Copy to: Dr. Joginder Dhiman  
Office of SPPO, Directorate of Horticulture,  
Nav Bahar, Shimla -2,  
(H.P.)

Document QF:2501  
Page 1 of 2

Report No.	: F-20A0315
Dated	: 22.04.2015
Ref. No.	: Letter
Dated	: 17.04.2015

Test Report as Per IS: 8708-2006

With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : MANCOZEB 75% WP  
(Uthane M-45)

b) Declared Values, if any : 75 %

c) Code No. : --

d) Batch No. and date of manufacture : CM5SMZ0213, DOM: 24.03.2015

e) Quantity : 1 x 500 gm

f) Mode of Packing : Packed in a poly pack (original packing)  
& in paper envelope.

g) Date of Receipt : 20.04.2015

h) Seal : Intact

i) IO's Signature : Signed

j) Date of Start : 20.04.2015

k) Date of Completion : 22.04.2015

l) Any other information : 23.03.2017

Date of Expiry : United Phosphorus Limited, SCO-18, 1<sup>st</sup> Floor,  
Manufactured By Phase-9, SAS Nagar, Mohali (Punjab)

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant  
ISS/Work Instructions, if any : N.A.





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Continuation Sheet of Report No. F-20A0315

Page 2 of 2

Date: 22.04.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
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1.	Description:	The material is in the form of homogenous powder yellowish in colour. It wets readily on mixing with water, providing a suspension suitable for spray.	
2.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.84
3.	Suspensibility (% by mass), Min	50.0	61.0
4.	Wettability, in seconds Max.	120	29
5.	Mancozeb content (% by mass)	75, +5%, -3% of the nominal value	75.20
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.62
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	20.33

PART D : REMARKS: The above submitted sample of Mancozeb 75% WP (Uthane M-45) CONFORMS to BIS Spec. No. 8708-2006 with respect to the above tests.

\*\*End of Report\*\*



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## TEST CERTIFICATE

Issued to: The Senior Plant Protection Officer  
 Himachal Pradesh  
 Shimla-2 (H.P)

Document QF:2501  
 Page 1 of 2

Copy to: Dr. Rajeshwar Parmar (HDO)  
 Department of Horticulture  
 Shimla-2 (H.P)

Report No.	: F-24A0915
Dated	: 25.04.2015
Ref. No.	: Letter
Dated	: --

Test Report as Per IS: Manufacturer's Declaration With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : DIFENOCONAZOLE 25 % EC (SCORE)

b) Declared Values, if any : 25 %

c) Code No. : --

d) Batch No. and date of manufacture : SAP5C021, DOM: 29.03.2015

e) Quantity : 1 x 50 ml

f) Mode of Packing : Packed in a plastic bottle & in paper envelope

g) Date of Receipt *As above* : 24.04.2015

h) Seal *25/4/15* : Intact

i) IO's Signature *SOPP* : Signed

j) Date of Start : 24.04.2015

k) Date of Completion : 25.04.2015

l) Any other information  
 Date of Expiry : 28.03.2018  
 Supplied by : M/s. Broadway Agro Agencies Pvt. Ltd., Shimla

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant ISS/Work Instructions, if any





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Continuation Sheet of Report No. F-24A0915

Page 2 of 2  
Date: 25.04.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of clear homogenous stable liquid, free from sediments & suspended matter, On dilution with water, it readily forms an emulsion suitable for spray.	
2.	Emulsion Stability Creaming at the top & sedimentation at the bottom (2.0 ml test), Max.	2.0 ml	Nil
3.	Difenoconazole Content (% by mass)	25, $\pm$ 5 % of the nominal value	25.16
4.	Acidity, (as H <sub>2</sub> SO <sub>4</sub> ) (% by mass)	--	0.042

PART D : REMARKS: The above submitted sample of Difenoconazole 25 % EC (Score) CONFORMS to Manufacturer's Declaration with respect to the above tests.

\*\*End of Report\*\*



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## TEST CERTIFICATE

Issued to: The Senior Plant Protection Officer  
Himachal Pradesh  
Shimla-2 (H.P)

Document QF:2501

Page 1 of 2

Copy to: Dr. Rajeshwar Parmar (HDO)  
Department of Horticulture  
Shimla-2 (H.P)

Report No.	:	F-24A1015
Dated	:	25.04.2015
Ref. No.	:	Letter
Dated	:	--

Test Report as Per IS: Manufacturer's Declaration With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : DIFENOCONAZOLE 25 % EC  
(SCORE) \_\_\_\_\_

b) Declared Values, if any : 25 %

c) Code No. : --

d) Batch No. and date of manufacture : SAP5D022, DOM: 02.04.2015

e) Quantity : 1 x 50 ml

f) Mode of Packing : Packed in a plastic bottle & in paper envelope

g) Date of Receipt : 24.04.2015

h) Seal : Intact

i) IO's Signature : Signed

j) Date of Start : 24.04.2015

k) Date of Completion : 25.04.2015

l) Any other information  
Date of Expiry : 01.04.2018  
Supplied by : M/s. Broadway Agro Agencies Pvt. Ltd., Shimla

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant  
ISS/Work Instructions, if any : \_\_\_\_\_





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Continuation Sheet of Report No. F-24A1015

Page 2 of 2  
 Date: 25.04.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of clear homogenous stable liquid, free from sediments & suspended matter, On dilution with water, it readily forms an emulsion suitable for spray.	
2.	Emulsion Stability Creaming at the top & sedimentation at the bottom (2.0 ml test), Max.	2.0 ml	Nil
3.	Difenoconazole Content (% by mass)	25, $\pm$ 5 % of the nominal value	25.19
4.	Acidity, (as $\text{H}_2\text{SO}_4$ ) (% by mass)	--	0.039

PART D : REMARKS: The above submitted sample of Difenoconazole 25 % EC (Score) CONFORMS to Manufacturer's Declaration with respect to the above tests.

\*\*End of Report\*\*



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# Idma Laboratories Limited

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Reg. Office & Lab : 391, Industrial Area Phase-I, Panchkula, Haryana.  
 Tel : 0172-5064827, 5064830 Fax : 91-172-2583587  
 Website : [www.idmagroup.co.in](http://www.idmagroup.co.in) E-mail : [testing@idmagroup.co.in](mailto:testing@idmagroup.co.in)  
 Site Lab : Punjab Agri Food Parks Ltd., G.T. Road, Sirhind, Punjab.

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11/5/15

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## TEST REPORT

Ref. No. IL/D 262	/15-16	Date: 24.04.15	Lab No.	210415NL-A-01	Page: 1/1		
Issued To:	Director of Horticulture Navbhar Shimla-2 Himachal Pradesh						
Type of Sample:	Pesticide						
Work Order No.	Nil		Dated	18.04.15			
Customer's Description of Sample:	Thiacloprid 21.7% SC (Alanto) (Batch No. ALNSA5021)						
Quantity:	100 ml						
Packing & Markings:	Sample Contained in a heat sealed plastic bottle imprinted "ALNTO & Further Packed in a white Colour stapped envelope details of sample slip fix on envelope With sign.						
Mode of Receipt of Sample:	By Hand						
Date of Receipt of Sample:	21.04.15		Period of Analysis	03 Days			
Date of Manufacturing	01.04.15		Date of Expiry	31.03.17			
Testing Protocol:	Product Specification						
S.No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD		
1.	Description	--	Creamish Viscous Liquid.	The material shall be in the forms of off white to creamish colour viscous liquid	--		
2.	Thiacloprid Content	%m/m	21.73	± 5% of the nominal value (21.7)	IHM		
3.	Suspensibility	%m/m	86.6	Min 85.0	IS: 6940-1982 (R-2002) Amend 2		
4.	pH of suspension of 27°C	--	7.7	7.5-9.5			

OPINION: The submitted sample of Thiacloprid 21.7% SC (Alanto) Conforms to Product Specification with respect to the above tests.

*Gul*  
Authorized Signatory

*Sh. Alok*  
29/4/15  
SPCU



# Idma Laboratories Limited

(A Government Approved Test House)

Reg. Office & Lab : 391, Industrial Area Phase-I, Panchkula, Haryana

Tel : 0172-5064827, 5064830 Fax : 91-172-2583587

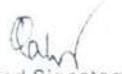
Website : [www.idmagroup.co.in](http://www.idmagroup.co.in) E-mail : testing@idmagroup.co.in

Site Lab : Punjab Agri Food Parks Ltd., G.T. Road, Sirhind, Punjab.

## TEST REPORT

D.No. IL/D- 392	/15-16	Date: 24/4/15	Lab No.	130415NL-A-01	Page-1/1		
Issued to:	Director of Horticulture Navbhar Shimla-2 Himachal Pradesh						
Type of Sample	Pesticide						
Work order No.:	Nil		Dated	17.04.15			
Customer's Description of Sample:	Thiophanate Methyl 70 % WP (ROKO) B. No. J150021						
Quantity:	100 gm						
Packing & Markings:	Sample Contained in a sealed aluminum pouch imprinted THIOPHANATEMETHYL 70 % WP (ROKO) & Further packed in to sealed envelope having signed sample slip which gave details of sample & With seal intact.						
Seal:	Sealed						
Mode of Receipt of Sample:	By Hand						
Date of Receipt of Sample:	18.04.15		Period of Analysis:	03 days			
Date of Manufacturing	April-2015		Date of Expiry	March-2017			
Testing Protocol	IS: 14552-1998 (R-2002) with Amdt 01						
S.No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD		
1.	Description	--	Cream Coloured fine free flowing homogenous powder free from extraneous impurities. It wets readily on mixing with water providing a suspension suitable for Spray	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		
2.	Thiophanate Methyl content	% m/m	70.08	+5 -3 } of the nominal value (70)	IS: 14551-1998		
3.	Material passing through 75 micron IS Sieve	% m/m	98.9	Min 98	IS: 6940 1982 R 2002		
4.	Suspensibility	% m/m	56.7	Min 50.0	IS: 6940 1982 R 2002		
5.	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	% m/m	0.02	Max 0.20			
6.	Wettability	seconds	9	Max 120			

OPINION: The submitted sample of Thiophanate Methyl 70 % WP Conforms to BIS Specification IS: 14552-1998 (R-2002) with Amdt. 01 with respect to above tests.

  
Authorized Signatory



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## TEST CERTIFICATE

Issued to: The Director of Horticulture, Himachal Pradesh  
Shimla -2, (H.P.)

Document QF:2501  
Page 1 of 2

Copy to: Dr. Punam Karrow (HDO, PP)  
O/o Dy. Director Of Horticulture,  
Solan (HP)

Report No.	:	F-01M1815
Dated	:	02.05.2015
Ref. No.	:	Letter
Dated	:	30.04.2015

Test Report as Per IS: Party's specification

With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Name of Sample : GLYPHOSATE 41% SL  
(Glycel)

b) Declared Values, if any : 41%

c) Code No. : --

d) Batch No. and date of manufacture : SMP-338, DOM: 21.11.2014

e) Quantity : 1 x 500 ml

f) Mode of packing : Packed in a plastic bottle (original packing), further packed in poly bag & in paper envelope & thread wax sealed.

g) Date of receipt : 01.05.2015

h) Seal : Intact

i) IO's Signature : Signed

j) Date of Start : 01.05.2015

k) Date of Completion : 02.05.2015

l) Any other information : Date of Expiry : 20.11.2016  
Supplier : Excel Crop Care Limited, New Delhi

### PART B: SUPPLEMENTARY INFORMATION

a) Reference to sampling procedure, where ever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant ISS/Work Instructions, if any : N.A.

Mr. Ashok K. Sharma  
2/10





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OHSAS 18001:2007  
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Page 2 of 2

Continuation Sheet of Report No. : F-01M1815

Dated: 02.05.2015

## PART C: TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	1. Description:	The material is in the form of pale yellow coloured liquid, free from any extraneous matter.	
2.	Glyphosate content, (% by mass)	38.95 – 43.05	41.38
3.	Cold test at 10°C	No separation of any oily layer and solid matter	No separation of any oily layer and solid matter
4.	Flash point (Abel)	Above 24.5°C	Above 24.5°C
5.	Soluble in water	Soluble in water	Soluble in water
6.	pH	4.4 – 4.8	4.58
7.	Specific gravity	1.16 – 1.18	1.1708

PART D.REMARKS: The above submitted sample of Glyphosate 41% SL (Glycel) CONFORMS to Party's specification with respect to the above tests.

\*\*End of Report\*\*



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## TEST CERTIFICATE

Issued to: The Director of Agriculture, Himachal Pradesh  
Shimla -2, (H.P.)

Document QF:2501

Page 1 of 2

Copy to: Dr. Deepak Gupta  
Bio Control Laboratory, Deptt. Of Horticulture,  
Rajhara, Shimla (HP)

Report No.	: F-28A1115
Dated	: 29.04.2015
Ref. No.	: Letter
Dated	: 27.04.2015

Test Report as Per IS: Party's specification

With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Name of Sample : GLYPHOSATE 41% SL  
(Glycel)

b) Declared Values, if any : 41%

c) Code No. : --

d) Batch No. and date of manufacture : R-35, DOM: 29.03.2015

e) Quantity : 1 x 500 ml

f) Mode of packing : Packed in a plastic bottle (original packing), further packed in poly bag & in paper envelope & thread wax sealed.

g) Date of receipt : 28.04.2015

h) Seal : Intact

i) IO's Signature : Signed

j) Date of Start : 28.04.2015

k) Date of Completion : 29.04.2015

l) Any other information : Date of Expiry : 28.03.2017  
Supplier : Excel Crop Care Limited, New Delhi

### PART B: SUPPLEMENTARY INFORMATION

a) Reference to sampling procedure, : N.A.  
where ever applicable

b) Deviation from the test methods as prescribed : N.A.  
in relevant ISS/Work Instructions, if any





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ISO 9001:2008 & 14001:2004  
OHSAS 18001:2007  
Certified Laboratory

Continuation Sheet of Report No. : F-28A1115

Page 2 of 2  
Dated: 29.04.2015

## PART C: TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	1. Description:	The material is in the form of pale yellow coloured liquid, free from any extraneous matter.	
2.	Glyphosate content, (% by mass)	38.95 – 43.05	41.26
3.	Cold test at 10°C	No separation of any oily layer and solid matter	No separation of any oily layer and solid matter
4.	Flash point (Abel)	Above 24.5°C	Above 24.5°C
5.	Soluble in water	Soluble in water	Soluble in water
6.	pH	4.4 – 4.8	4.59
7.	Specific gravity	1.16 – 1.18	1.1685

**PART D. REMARKS:** The above submitted sample of Glyphosate 41% SL (Glycel) CONFORMS to Party's specification with respect to the above tests.

\*\*End of Report\*\*



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 3. Sample consumed/not consumed in testing.

INDRA RAI



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## TEST CERTIFICATE

Issued to: The Sr. Plant Protection Officer,  
 Navbahar, Shimla -2 (HP)

Document QF:2501  
 Page 1 of 2

Copy to : Dr. Rajeshwar Parmar  
 Horticulture Dev. Officer, O/o Director of Horticulture  
 Navbahar, Shimla -2 (HP)

Report No.	: F-25A1415
Dated	: 28.04.2015
Ref. No.	: Letter
Dated	: --

Test Report as Per IS: 8944-2005

With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : CHLORPYRIFOS 20 % EC  
 (Durmet)

b) Declared Values, if any : 20 %

c) Code No. : --

d) Batch No. and date of manufacture : 15041102, DOM: 11.04.2015

e) Quantity : 500 ml

f) Mode of Packing : Packed in a plastic bottle (original packing).

g) Date of Receipt : 25.04.2015

h) Seal : Intact

i) IO's Signature : Unsigned

j) Date of Start : 25.04.2015

k) Date of Completion : 28.04.2015

l) Any other information  
 Date of Expiry : 10.04.2017  
 Mfd By : FMC India Pvt. Ltd., Ludhiana (Punjab)

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable

b) Deviation from the test methods as prescribed in relevant  
 ISS/Work Instructions, if any



Sh. Ashok  
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# International Testing Centre

(A Government Approved Test House)

86, Industrial Area, Phase-I, Panchkula-134109 (Haryana)

Phone : (O) 0172-2561543, 2565825, Fax : 91-172-2561543

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Continuation Sheet of Report No. F-25A1415

Page 2 of 2

Date: 28.04.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description: The material is in the form of homogeneous and stable liquid, free from sediments & suspended matter. On dilution with water, it readily forms an emulsion suitable for spray.		
2.	Cold test at 10°C	No turbidity or separation of solid or oily matter	No turbidity or separation of solid or oily matter
3.	Flash Point (Abel), Min.	24.5°C	Above 24.5°C
4.	Emulsion Stability Creaming at the top & sedimentation at the bottom (2.0 ml test), Max.	2.0 ml	Nil
5.	Chlorpyrifos content (by GLC),(% by mass)	20,± 5 % of the nominal value	20.16
6.	Acidity, (as H <sub>2</sub> SO <sub>4</sub> ) (% by mass), Max.	0.05	0.016

PART D : REMARKS: The above submitted sample of Chlorpyrifos 20% EC (Durmet) CONFORMS to BIS Spec. No. IS: 8944-2005 with respect to above tests.

\*\*End of Report\*\*



Note: 1. This report is only for the sample tested.  
2. This report cannot be reproduced except in full, without the permission of the International Testing Centre  
3. Sample consumed/not consumed in testing.



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## TEST CERTIFICATE

Issued to: The Senior Plant Protection Officer

Himachal Pradesh  
Shimla-2 (H.P)

Document QF:2501  
Page 1 of 2

Copy to: Dr. Rajeshwar Parmar (HDO)  
Department of Horticulture  
Shimla-2 (H.P)

Report No.	:	F-24A0915
Dated	:	25.04.2015
Ref. No.	:	Letter
Dated	:	--

Test Report as Per IS: Manufacturer's Declaration With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : DIFENOCONAZOLE 25 % EC (SCORE)

b) Declared Values, if any : 25 %

c) Code No. : --

d) Batch No. and date of manufacture : SAP5C021, DOM: 29.03.2015

e) Quantity : 1 x 50 ml

f) Mode of Packing : Packed in a plastic bottle & in paper envelope

g) Date of Receipt *As above* : 24.04.2015

h) Seal *26* : Intact

i) IO's Signature *30/4/15 SPB* : Signed

j) Date of Start : 24.04.2015

k) Date of Completion : 25.04.2015

l) Any other information  
Date of Expiry : 28.03.2018  
Supplied by : M/s. Broadway Agro Agencies Pvt. Ltd., Shimla

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant ISS/Work Instructions, if any





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115715

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Website : [www.idmagroup.co.in](http://www.idmagroup.co.in) E-mail : [testing@idmagroup.co.in](mailto:testing@idmagroup.co.in)  
Site Lab : Punjab Agri Food Parks Ltd., G.T. Road, Sirhind, Punjab.

## TEST REPORT

D.No. IL/D- 274 /15-16 Date: 26/4/15 Lab No. 170415NL-A 01 Page-1/1

Issued to:	Directorate of Horticulture Nav Bahar Shimla - 2, Himachal Pradesh,		
Type of Sample	Pesticide		
Work order No.:	NIL	Dated:	17.04.15
Customer's Description of Sample:	Dodine 65% WP SYLLIT (B. No. FIL/SLT-023)		
Quantity:	100gm		
Packing & Markings:	Sample contained in a Sealed Aluminum Pouch in printed "Dodine 65 % W P " Syllit further packed in to imprinted box's again further packed into sealed paper box with seal Intact.		
Seal:	Sealed		
Mode of Receipt of Sample:	By Hand		
Date of Receipt of Sample:	17.04.15	Period of Analysis:	02 Days
Date of Manufacturing:	03.04.15	Date of Expiry:	02.04.17
Testing Protocol	IS: 13785-1993 (R-2002) with Amdt. 01		

S.No	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD
1.	Description	--	White Homogeneous Power free from extraneous impurities or added modifying agents. It wets readily on mixing with water providing a suspension suitable for spray	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.	IS: 13785-1973 R-2002
2.	Dodine content	% m/m	65.22	+5 -3 % of the nominal value (65)	IS: 13785-1993 R-2002
3.	Sieving (material passing through 75micron IS: Sieve,	% m/m	99.6	Min. 99.0	IS: 6940-1982 R-2002 Amdt 02
4.	Susceptibility	% m/m	76.7	Min. 70.0	
5.	Alkalinity (as NaOH)	% m/m	0.02	Max. 0.1	
6.	Wettability	seconds	13	Max. 120	

OPINION: The Submitted sample of Dodine 65% W.P Conforms to BIS Specification No. 13785-1993 (R-2002) with Amdt. 1 with respect to above tests.

*Author*  
Authorized Signatory

*Sh. Asok  
29/4/15  
COPR*



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 Site Lab : Punjab Agri Food Parks Ltd., G.T. Road, Sirhind, Punjab.

TEST REPORT			Date: 26/7/15	Lab No.	180415L-B-02	Page: 1/1
Ref. No. I.L.D	291	/15-16				
Issued To:	Director of Horticulture Navbhar Shimla-2 Himachal Pradesh					
Type of Sample:	Pesticide					
Customer's Description of Sample:	Chloryphos 20 % EC, (DURMET) Batch No. 15041001					
Quantity:	500 ml					
Packing & Marking:	Sample Contained in a sealed plastic bottle imprinted "Chloryphos 20 % EC (DURMET) & Further Packed in to sealed envelope & with seal intact.					
Seal:	Sealed					
Mode of Receipt of Sample:	By Hand					
Work Order Number:	Nil		Dated:	17.04.15		
Date of Receipt of Sample:	18.04.15		Period of Analysis	03 Days		
Date of Manufacturing:	10.04.15		Date of Expiry:	09.04.17		
Testing Protocol:	IS: 8944-2005					
S.No.	TEST	Unit	RESULT	REQUIREMENTS	TEST METHOD	
1.	Description		Light Yellow homogenous stable Liquid free from sediment suspended matter. It forms an emulsion on dilution with water suitable for spray.	The material shall be in the form of a homogeneous stable liquid free from sediments. Suspended matter shall be negligible. It shall forms an emulsion on dilution with water, suitable for spray.	IS: 8944-2005	
2.	Cloud Test at 10°C (for 1 hr)	--	No turbidity or separation of solid or oily matter or both accrued at the end of the test	No turbidity or separation of solid or oily matter or both shall occur at the end of the test.	IS: 6940-1982	
3.	Flash point (Abel)	°C	71	Above 24.5	IS: 1448 (P-20) 1998	
4.	Emulsion stability (of 100 ml emulsion prepared with standard hard water and Kept for 1 hour at 30±1°C)	ml	Creaining- Nil Sediment- Nil Total Separation- Nil	Any separation Including creaming & sediment shall not exceed 2.0ml.	IS: 6940-1982	
5.	Chloryphos content	% m/m	20.11	+5% of the Nominal value (20)	IS: 8963-2006	
6.	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	% m/m	0.01	Max 0.05	IS: 6940-1982	

OPINION: The Submitted Sample of Chloryphos 20 % EC Conforms to BIS Specification No. IS: 8944-2005 with respect to the above tests.

*Sh. Aslak*  
 Authorised Signatory  
 TM/III/III

*29/7/15*  
*SPBZ*



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Site Lab : Punjab Agri Food Parks Ltd., G.T. Road, Sirhind, Punjab.

## TEST REPORT

D.No. ILD- 282	1/15-16	Date: 24/4/15	Lab No. 180415NL-B-02	Page-1/1	
Issued to:	DIRECTOR OF HORTICULTURE, Shimla- 2, Himachal Pradesh				
Type of Sample:	Pesticide				
Work order No.:	NIL		Dated:	17.04.15	
Customer's Description of Sample:	Dodine 65% WP NOOR (B. No. DNR-118)				
Quantity:	100gm				
Packing & Markings:	Sample Contained in a Sealed aluminum Pouch imprinted "Dodine 65% w.p (Noor) & further packed in to sealed H.D.P.E Bag & with seal Intact.				
Seal:	Sealed				
Mode of Receipt of Sample:	By Hand				
Date of Receipt of Sample:	18.04.15		Period of Analysis:	03 Days	
Date of Manufacturing:	18.01.15		Date of Expiry:	17.01.17	
Testing Protocol	IS: 13785-1993 (R-2002) with Amdt. 01				
S.No	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD
1.	Description	--	White Homogenous powder free from extraneous impurities or addle Modifying agents   Wets readily suitable for sp ray	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.	IS: 13785-1973 R-2002
2.	Dodine content	% m/m	65.13	+5 -3 % of the nominal value (65)	IS: 13785-1993 R-2002
3.	Sieving (material passing through 75micron IS. Sieve)	% m/m	99.7	Min. 99.0	IS: 6940-1982 R-2002 Amdt 02
4.	Suspensibility	% m/m	76.5	Min. 70.0	
5.	Alkalinity (as NaOH)	% m/m	0.02	Max. 0.1	
6.	Wettability	seconds	15	Max. 120	

OPINION: The Submitted sample of Dodine 65% wp noor Conforms to BIS Specification No. 13785-1993 (R-2002) with Amdt. 1 with respect to above tests.

*Edwin*  
Authorized Signatory

*Sh. Ashok  
29/4/15  
SPP*



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Site Lab : Punjab Agri Food Parks Ltd., G.T. Road, Sirhind, Punjab.

## TEST REPORT

D.No. IL/D- 267	/15-16	Date: 24/4/15	Lab No. 180415NL-B-03	Page-1/1
Issued to:	DIRECTOR OF HORTICULTURE, Shimla- 2, Himachal Pradesh			
Type of Sample:	Pesticide			
Work order No.:	NIL		Dated: 17.04.15	
Customer's Description of Sample:	Dodine 65% WP NOOR (B. No. DNR-121)			
Quantity:	100gm			
Packing & Markings:	Sample Contained in a Sealed aluminum Pouch imprinted 'Dodine 65% w.p (Noor) & further packed in to sealed H.D.P.E Bag & with seal Intact.			
Seal:	Sealed			
Mode of Receipt of Sample:	By Hand			
Date of Receipt of Sample:	18.04.15	Period of Analysis:		
Date of Manufacturing:	31.01.15	Date of Expiry:		30.01.17
Testing Protocol	IS: 13785-1993 (R-2002) with Amdt. 01			
S.No	TEST	UNIT	RESULT	REQUIREMENTS
1.	Description	--	White Homogenous powder free from extraneous impurities or addle Modifying agents   Wets readily suitable for spray	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.
2.	Dodine content	% m/m	65.18	+5 -3 % of the nominal value (65)
3.	Sieving (material passing through 75micron IS: Sieve)	% m/m	99.7	Min. 99.0
4.	Suspensibility	% m/m	76.8	Min. 70.0
5.	Alkalinity (as NaOH)	% m/m	0.01	Max. 0.1
6.	Wettability	seconds	16	Max. 120

OPINION: The Submitted sample of Dodine 65% WP NOOR Conforms to BIS Specification No. 13785-1993 (R-2002) with Amdt. 1 with respect to above tests.

  
Authorized Signatory



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 Site Lab : Punjab Agri Food Parks Ltd., G.T. Road, Sirhind, Punjab.

Certificate No.  
 T-0187

## TEST REPORT

D. No. IL/D- 282	/15-16	Date: 24/4/15	Lab No.	180415L-J-10	Page-1/1
Issued to:	DIRECTOR OF HORTICULTURE, H.P Shimla-2, Himachal Pradesh				
Type of Sample:	Pesticide				
Customer's Description of Sample:	Mancozeb 75 %W.P. (Indofil M-45) Batch No. TMZL-6267				
Quantity:	500 gm				
Packing & Markings:	Sample Contained in a sealed aluminum Pouch imprinted "Mancozeb 75% (INDOFILM-45)" & further Packed in to Sealed H.D.P.E bag & with Seal Intact.				
Seal:	Sealed				
Mode of Receipt of Sample:	By Hand				
Work order No.:	NIL			Dated:	17.04.2015
Date of Receipt of Sample:	18.04.15		Period of Analysis:	03 Days	
Date of Manufacturing:	07.04.15		Date of Expiry:	06.04.17	
Testing Protocol:	IS: 8708-2006				
S.no.	Test	Unit	Result	Requirements	Test method
1.	Description	—	Yellow wish green Homogeneous Powder. It Wets reading on mixing with water Providing a Suspension Suitable for Spray	The materials shall be in the form of a homogenous powder, yellowish-to-yellowish green in colour. It shall wet readily on mixing with water providing a suspension suitable for spray.	IS: 8708-2006
2.	Material passing through 45 micron IS sieve)	%m/m	99.6	Min. 99	IS: 6940-1982, R-2002 Amdt. 02
3.	Suspensibility	%m/m	56.6	Min. 50	IS: 6940-1982, R-2002 Amdt. 02
4.	Wettability	Seconds	14	Max. 120	IS: 6940-1982, R-2002 Amdt. 02
5.	Mancozeb content	%m/m	75.08	+5 -3 % Of the Nominal value (75)	IS: 8707-2013
6.	Zinc content of Mancozeb content	% m/m	2.56	Min. 2.5	IS: 8707-2013
7.	Manganese content of, Mancozeb	% m/m	20.52	Min. 20.0	IS: 8707-2013

Opinion: The Submitted Sample of Mancozeb 75 % w.p Conforms to BIS Specification No. IS: 8708-2006 with respect to the above Tests.

*lalit*  
Authorized Signatory  
TM/III/III



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Site Lab : Punjab Agri Food Parks Ltd., G.T. Road, Sirhind, Punjab.

## TEST REPORT

D. No. IL/D- 283	/15-16	Date: 24/4/15	Lab No. 180415L-J-11	Page-1/1
Issued to:	DIRECTOR OF HORTICULTURE, H.P Shimla-2, Himachal Pradesh			
Type of Sample:	Pesticide			
Customer's Description of Sample:	Mancozeb 75 %W.P. (Indofil M-45 ) Batch No.TMZL-6291			
Quantity:	500 gm			
Packing & Markings:	Sample Contained in a sealed aluminum Pouch Imprinted "Mancozeb 75% (INDOFILM-45)" & further Packed in to Sealed H.D.P.E bag & with Seal Intact			
Seal:	Sealed			
Mode of Receipt of Sample:	By Hand			
Work order No.:	NIL		Dated: 17.04.2015	
Date of Receipt of Sample:	18.04.15	Period of Analysis: 03 Days		
Date of Manufacturing:	08.04.15	Date of Expiry: 07.04.17		
Testing Protocol:	IS: 8708-2006			
S.no.	Test	Unit	Result	Requirements
1.	Description	—	Yellow wish green Homogeneous Powder. It Wets reading on mixing with water Providing a Suspension Suitable for Spray	The materials shall be in the form of a homogenous powder, yellowish-to- yellowish green in colour. It shall wet readily on mixing with water providing a suspension suitable for spray.
2.	Material passing through 45 micron IS (sieve)	%m/m	99.7	Min. 99
3.	Suspensibility	%m/m	56.5	Min. 50
4.	Wettability	Seconds	15	Max. 120
5.	Mancozeb content	%m/m	75.10	+5 -3 % Of the Nominal value (75)
6.	Zinc content of Mancozeb content	% m/m	2.61	Min. 2.5
7.	Manganese content of, Mancozeb	% m/m	20.56	Min.20.0

Opinion: The Submitted Sample of Mancozeb 75% w.p Conform to BIS Specification No. IS: 8708-2006 with respect to the above Tests.

*Ch*  
Authorized Signatory  
TM/I/II/III



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 Site Lab : Punjab Agri Food Parks Ltd., G.T. Road, Sirhind, Punjab.

## TEST REPORT

D. No. ILD- 551, Date: 26/4/18 Lab No. 130415L-J-12 Page: 1/1

Issued to: DIRECTOR OF HORTICULTURE H.P.

Shimla- 2,

Himachal Pradesh

Residue

Type of Sample:

Customer's Description of Sample: Mancozeb 75% W.P. (INDOFILM-15) Batch No TM2138292

Quantity: 500 gm

Handling & Markings: Sample Contained in a sealed aluminum Pouch imprinted 'Mancozeb 75% (INDOFILM-15)' & further Packed in to Sealed H.D.P.E bag & with Seal Intact

Seal: Sealed

Method of Receipt of Sample: By Hand

Order No.: NL Date: 17-04-2018

Date of Receipt of Sample: 18-04-18 Period of Analysis: 03 Days

Date of Manufacturing: 08-04-18 Date of Expiry: 07-04-19

Expiry Period: 18-07-2018

Sample Test: Unit: Result: Requirements: Test method:

1. Description: Yellowish green Homogeneous Powder. It Wets readily on mixing with water. Providing a Suspension Suitable for Spray. The materials shall be in the form of a homogeneous powder, yellowish-green, yellowish-green in color. It shall wet readily on mixing with water providing a suspension suitable for spray.

2. Material passing through 45 micron Sieve: 89.5 Min. 89 IS: 6640-1982, R-2002 Amdt. 02

3. Suspension: 56.6 Min. 50 IS: 6640-1982, R-2002 Amdt. 02

4. Wetability: 17 Max. 100 IS: 6640-1982, R-2002 Amdt. 02

5. Mancozeb content: 35.66 % Of the Nominal value (75) IS: 6707-2013

6. Zinc content of Mancozeb content: 2.66 Min. 2.5 IS: 6707-2013

7. Manganese content of Mancozeb: 20.62 Min. 20.0 IS: 6707-2013

Opinion: The Submitted Sample of Mancozeb 75% w.p. Conforms to BIS Specification No. IS: 3702-2006 with respect to the above Tests

Authorized Signatory  
 TM/2018



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Site Lab : Punjab Agri Food Parks Ltd., G.T. Road, Sirhind, Punjab. Certificate No. T-0187

## TEST REPORT

D. No. IL/D- <i>285-</i>	/15-16	Date: <i>24/4/15</i>	Lab No.	180415L-J-13	Page-1/1
Issued to:	DIRECTOR OF HORTICULTURE, H.P Shimla-2, Himachal Pradesh				
Type of Sample:	Pesticide				
Customer's Description of Sample:	Mancozeb 75 %W.P, (Indofil M-45 ) Batch No.TMZL-6293				
Quantity:	500 gm				
Packing & Markings:	Sample Contained in a sealed aluminum Pouch imprinted "Mancozeb 75% (INDOFILM-45)" & further Packed in to Sealed H.D.P.E bag & with Seal Intact				
Seal:	Sealed				
Mode of Receipt of Sample:	By Hand				
Work order No.:	NIL		Dated:	17.04.2015	
Date of Receipt of Sample:	18.04.15		Period of Analysis:	03 Days	
Date of Manufacturing:	08.04.15		Date of Expiry:	07.04.17	
Testing Protocol :	IS: 8708-2006				
S.no.	Test	Unit	Result	Requirements	Test method
1.	Description	--	Yellow wish green Homogeneous Powder. It Wets reading on mixing with water Providing a Suspension Suitable for Spray	The materials shall be in the form of a homogenous powder, yellowish-to-yellowish green in colour. It shall wet readily on mixing with water providing a suspension suitable for spray.	IS: 8708-2006
2.	Material passing through 45 micron IS sieve)	%m/m	99.7	Min. 99	IS: 6940-1982, R-2002 Amdt. 02
3.	Suspensibility	%m/m	56.7	Min. 50	IS: 6940-1982, R-2002 Amdt. 02
4.	Wettability	Seconds	16	Max. 120	IS: 6940-1982, R-2002 Amdt. 02
5.	Mancozeb content	%m/m	75.08	+5 -3 % Of the Nominal value (75)	IS: 8707-2013
6.	Zinc content of Mancozeb content	% m/m	2.60	Min. 2.5	IS: 8707-2013
7.	Manganese content of, Mancozeb	% m/m	20.59	Min.20.0	IS: 8707-2013

Opinion: The Submitted Sample of Mancozeb 75% w.p Conform to BIS Specification No. IS: 8708-2006 with respect to the above Tests.

*Patwari*  
Authorized Signatory  
TM/II/II/II



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Site Lab : Punjab Agri Food Parks Ltd., G.T. Road, Sirhind, Punjab.

## TEST REPORT

D. No. IL/D- 286	/15-16	Date: 26/6/15	Lab No.	180415L-J-14	Page-1/1
Issued to:	DIRECTOR OF HORTICULTURE, H.P Shimla- 2, Himachal Pradesh				
Type of Sample:	Pesticide				
Customer's Description of Sample:	Mancozeb 75 %W.P, (Indofil M-45 ) Batch No.TMZL-6294				
Quantity:	500 gm				
Packing & Markings:	Sample Contained in a sealed aluminum Pouch imprinted "Mancozeb 75% (INDOFILM-45)" & further Packed in to Sealed H.D.P.E bag & with Seal Intact.				
Seal:	Sealed				
Mode of Receipt of Sample:	By Hand				
Work order No.:	NIL		Dated:	17.04.2015	
Date of Receipt of Sample:	18.04.15		Period of Analysis:	03 Days	
Date of Manufacturing:	08.04.15		Date of Expiry:	07.04.17	
Testing Protocol:	IS: 8708-2006				
S.no.	Test	Unit	Result	Requirements	Test method
1.	Description	—	Yellow wish green Homogeneous Powder. It Wets reading on mixing with water Providing a Suspension Suitable for Spray	The materials shall be in the form of a homogenous powder, yellowish-to-yellowish green in colour. It shall wet readily on mixing with water providing a suspension suitable for spray.	IS: 8708-2006
2.	Material passing through 45 micron IS sieve)	%m/m	99.6	Min. 99	IS: 6940-1982, R-2002 Amdt. 02
3.	Suspensibility	%m/m	56.8	Min. 50	IS: 6940-1982, R-2002 Amdt. 02
4.	Wettability	Seconds	15	Max. 120	IS: 6940-1982, R-2002 Amdt. 02
5.	Mancozeb content	%m/m	75.06	+5 -3 % Of the Nominal value (75)	IS: 8707-2013
6.	Zinc content of Mancozeb content	% m/m	2.67	Min. 2.5	IS: 8707-2013
7.	Manganese content of, Mancozeb	% m/m	20.65	Min.20.0	IS: 8707-2013

Opinion: The Submitted Sample of Mancozeb 75% w.p Conform to BIS Specification No. IS: 8708-2006 with respect to the above Tests.

*Cal*  
Authorized Signatory  
TM/III/III



# Idma Laboratories Limited

(A Government Approved Test House)



Reg. Office & Lab : 391, Industrial Area Phase-I, Panchkula, Haryana.

Tel : 0172-5064827, 5064830 Fax : 91-172-2583587

Website : [www.idmagroup.co.in](http://www.idmagroup.co.in) E-mail : [testing@idmagroup.co.in](mailto:testing@idmagroup.co.in) Certificate No.

Site Lab : Punjab Agri Food Parks Ltd., G.T. Road, Sirhind, Punjab. T-0187

## TEST REPORT

D. No. IL/D- <b>382</b>	/15-16	Date: <b>24/4/15</b>	Lab No. <b>180415L-J-15</b>	Page-1/1
Issued to:	DIRECTOR OF HORTICULTURE, H.P Shimla-2, Himachal Pradesh			
Type of Sample:	Pesticide			
Customer's Description of Sample:	Mancozeb 75 %W.P, (Indofil M-45 ) Batch No.TMZL-6295			
Quantity:	500 gm			
Packing & Markings:	Sample Contained in a sealed aluminum Pouch imprinted "Mancozeb 75% (INDOFILM-45)" & further Packed in to Sealed H.D.P.E bag & with Seal Intact.			
Seal:	Sealed			
Mode of Receipt of Sample:	By Hand			
Work order No.:	NIL		Dated: <b>17.04.2015</b>	
Date of Receipt of Sample:	<b>18.04.15</b>	Period of Analysis: <b>03 Days</b>		
Date of Manufacturing:	<b>09.04.15</b>	Date of Expiry: <b>08.04.17</b>		
Testing Protocol :	IS: 8708-2006			
S.no.	Test	Unit	Result	Requirements
1.	Description	--	Yellow wish green Homogeneous Powder. It Wets reading on mixing with water Providing a Suspension Suitable for Spray	The materials shall be in the form of a homogenous powder, yellowish-to-yellowish green in colour. It shall wet readily on mixing with water providing a suspension suitable for spray.
2.	Material passing through 45 micron IS sieve)	%m/m	99.5	Min. 99
3.	Suspensibility	%m/m	56.7	Min. 50
4.	Wettability	Seconds	16	Max. 120
5.	Mancozeb content	%m/m	75.09	+5 -3 % Of the Nominal value (75)
6.	Zinc content of Mancozeb content	% m/m	02.52	Min. 2.5
7.	Manganese content of Mancozeb	% m/m	20.48	Min.20.0

Opinion: The Submitted Sample of Mancozeb 75% w.p Conform to BIS Specification No. IS: 8708-2006 with respect to the above Tests.

Authorized Signatory  
TM/IV/III/III



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 Tel : 0172-5064827, 5064830 Fax : 91-172-2583587  
 Website : [www.idmagroup.co.in](http://www.idmagroup.co.in) E-mail : [testing@idmagroup.co.in](mailto:testing@idmagroup.co.in)  
 Site Lab : Punjab Agri Food Parks Ltd., G.T. Road, Sirhind, Punjab.

Certificate No.  
T-0187

## TEST REPORT

D. No. IL/D- <b>988</b>	/15-16	Date: <b>24/4/18</b>	Lab No. <b>180415L-J-16</b>	Page-1/1
Issued to:	DIRECTOR OF HORTICULTURE, H.P Shimla- 2, Himachal Pradesh			
Type of Sample:	Pesticide			
Customer's Description of Sample:	Mancozeb 75 %W.P, (Indofil M-45 ) Batch No.TMZL-6296			
Quantity:	500 gm			
Packing & Markings:	Sample Contained in a sealed aluminum Pouch imprinted "Mancozeb 75% (INDOFILM-45)" & further Packed in to Sealed H.D.P.E bag & with Seal Intact.			
Seal:	Sealed			
Mode of Receipt of Sample:	By Hand			
Work order No.:	NIL		Dated: <b>17.04.2015</b>	
Date of Receipt of Sample:	<b>18.04.15</b>	Period of Analysis:	03 Days	
Date of Manufacturing:	<b>09.04.15</b>	Date of Expiry:	<b>08.04.17</b>	
Testing Protocol:	IS: 8708-2006			
S.no.	Test	Unit	Result	Requirements
1.	Description	--	Yellow wish green Homogeneous Powder. It Wets reading on mixing with water Providing a Suspension Suitable for Spray	The materials shall be in the form of a homogenous powder, yellowish-to-yellowish green in colour. It shall wet readily on mixing with water providing a suspension suitable for spray.
2.	Material passing through 45 micron IS sieve)	%m/m	99.5	Min. 99
3.	Suspensibility	%m/m	56.4	Min. 50
4.	Wettability	Seconds	18	Max. 120
5.	Mancozeb content	%m/m	75.12	+5 -3 % Of the Nominal value (75)
6.	Zinc content of Mancozeb content	% m/m	2.54	Min. 2.5
7.	Manganese content of Mancozeb	% m/m	20.58	Min.20.0

Opinion: The Submitted Sample of Mancozeb 75% w.p Conform to BIS Specification No. IS: 8708-2006 with respect to the above Tests.

*Chhaya*  
Authorized Signatory  
TM/I/I/I/III



# International Testing Centre

81

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ISO 9001:2008 & 14001:2004  
OHSAS 18001:2007  
Certified Laboratory

958  
12/5715

## TEST CERTIFICATE

Issued to: The Sr. Plant Protection Officer,  
Naybar, Shimla -2 (HP)

Document QF:2501  
Page 1 of 2

Copy to : Dr. Rajeshwar Parmar  
Horticulture Dev. Officer, O/o Director of Horticulture  
Naybar, Shimla -2 (HP)

Report No.	: F-25A1415
Dated	: 28.04.2015
Ref. No.	: Letter
Dated	: --

Test Report as Per IS: 8944-2005

With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : CHLORPYRIFOS 20 % EC  
(Durmet)

b) Declared Values, if any : 20 %

c) Code No. : --

d) Batch No. and date of manufacture : 15041102, DOM: 11.04.2015

e) Quantity : 500 ml

f) Mode of Packing : Packed in a plastic bottle (original packing).

g) Date of Receipt : 25.04.2015

h) Seal : Intact

i) IO's Signature : Unsigned

j) Date of Start : 25.04.2015

k) Date of Completion : 28.04.2015

l) Any other information  
Date of Expiry : 10.04.2017  
Mfd By : FMC India Pvt. Ltd., Ludhiana (Punjab)

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant  
ISS/Work Instructions, if any



.../.../.../.../...



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Continuation Sheet of Report No. F-25A1415

Page 2 of 2  
 Date: 28.04.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description: The material is in the form of homogeneous and stable liquid, free from sediments & suspended matter. On dilution with water, it readily forms an emulsion suitable for spray.		
2.	Cold test at 10°C	No turbidity or separation of solid or oily matter	No turbidity or separation of solid or oily matter
3.	Flash Point (Abel), Min.	24.5°C	Above 24.5°C
4.	Emulsion Stability Creaming at the top & sedimentation at the bottom (2.0 ml test), Max.	2.0 ml	Nil
5.	Chlorpyrifos content (by GLC),(% by mass)	20, $\pm$ 5 % of the nominal value	20.16
6.	Acidity, (as H <sub>2</sub> SO <sub>4</sub> ) (% by mass), Max.	0.05	0.016

PART D : REMARKS: The above submitted sample of Chlorpyrifos 20% EC (Durmet) CONFORMS to BIS Spec. No. IS: 8944-2005 with respect to above tests.

\*\*End of Report\*\*



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580  
18/6/15

## TEST CERTIFICATE

Issued to: Senior Plant Protection Officer,  
Directorate of Horticulture, Navbahar,  
Shimla - 2 (HP)

Copy to: Dr. Joginder Dhiman  
Office of SPPO, Directorate of Horticulture,  
Nav Bahar, Shimla -2,  
(H.P.)

Document QF:2501  
Page 1 of 2

Report No.	:	F-13U0315
Dated	:	15.06.2015
Ref. No.	:	Letter
Dated	:	12.06.2015

Test Report as Per IS: 8708-2006

With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : MANCOZEB 75% WP  
(Uthane M-45)

b) Declared Values, if any : 75 %

c) Code No. : --

d) Batch No. and date of manufacture : FM1SMZ0029, DOM: 03.06.2015

e) Quantity : 1 x 500 gm

f) Mode of Packing : Packed in a poly pack (original packing)  
& in paper envelope.

g) Date of Receipt *Sh. Astole* : 13.06.2015

h) Seal : Intact

i) IO's Signature *SPPO* : Signed

j) Date of Start : 13.06.2015

k) Date of Completion : 15.06.2015

l) Any other information : Date of Expiry : 02.06.2017  
Manufactured By : United Phosphorus Limited, SCO-18, 1<sup>st</sup> Floor,  
Phase-9, SAS Nagar, Mohali (Punjab)

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant ISS/Work Instructions, if any : N.A.





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(159)

Continuation Sheet of Report No. F-13U0315

Page 2 of 2  
Date: 15.06.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
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1.	Description:	The material is in the form of homogenous powder yellowish in colour. It wets readily on mixing with water, providing a suspension suitable for spray.	
2.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.89
3.	Suspensibility (% by mass), Min	50.0	60.34
4.	Wettability, in seconds Max.	120	27
5.	Mancozeb content (% by mass)	75, +5%, -3% of the nominal value	75.12
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.58
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	20.17

PART D : REMARKS: The above submitted sample of Mancozeb 75% WP (Uthane M-45)  
CONFORMS to BIS Spec. No. 8708-2006 with respect to the above tests.

\*\*End of Report\*\*





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## TEST CERTIFICATE

Issued to: Senior Plant Protection Officer,  
Directorate of Horticulture, Navbahar,  
Shimla - 2 (HP)

Copy to: Dr. Joginder Dhiman  
Office of SPPO, Directorate of Horticulture,  
Nav Bahar, Shimla -2,  
(H.P.)

Document QF:2501  
Page 1 of 2

Report No.	: F-13U0415
Dated	: 15.06.2015
Ref. No.	: Letter
Dated	: 12.06.2015

Test Report as Per IS: 8708-2006

With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample	: MANCOZEB 75% WP (Uthane M-45)	DOM: 03.06.2015
b) Declared Values, if any	: 75 %	
c) Code No.	: --	
d) Batch No. and date of manufacture	: FM1SMZ0028,	DOM: 03.06.2015
e) Quantity	: 1 x 500 gm	
f) Mode of Packing	: Packed in a poly pack (original packing) & in paper envelope.	
g) Date of Receipt	: 13.06.2015	
h) Seal	: Intact	
i) IO's Signature	: Signed	
j) Date of Start	: 13.06.2015	
k) Date of Completion	: 15.06.2015	
l) Any other information		
Date of Expiry	: 02.06.2017	
Manufactured By	: United Phosphorus Limited, SCO-18, 1 <sup>st</sup> Floor, Phase-9, SAS Nagar, Mohali (Punjab)	

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable	: N.A.
b) Deviation from the test methods as prescribed in relevant ISS/Work Instructions, if any	: N.A.





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Continuation Sheet of Report No. F-13U0415

Page 2 of 2  
 Date: 15.06.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of homogenous powder yellowish in colour. It wets readily on mixing with water, providing a suspension suitable for spray.	
2.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.93
3.	Suspensibility (% by mass), Min	50.0	62.51
4.	Wettability, in seconds Max.	120	29
5.	Mancozeb content (% by mass)	75, +5%, -3% of the nominal value	75.09
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.64
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	20.21

PART D : REMARKS: The above submitted sample of Mancozeb 75% WP (Uthane M-45)  
 CONFORMS to BIS Spec. No. 8708-2006 with respect to the above tests.

\*\*End of Report\*\*

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162

## TEST CERTIFICATE

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Shimla - 2 (HP)

Copy to: Dr. Joginder Dhiman  
Office of SPPO, Directorate of Horticulture,  
Nav Bahar, Shimla -2,  
(H.P.)

Document QF:2501  
Page 1 of 2

Report No.	: F-13U0515
Dated	: 15.06.2015
Ref. No.	: Letter
Dated	: 12.06.2015

Test Report as Per IS: 8708-2006

With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : MANCOZEB 75% WP  
(Uthane M-45)

b) Declared Values, if any : 75 %

c) Code No. : --

d) Batch No. and date of manufacture : FM1SMZ0027, DOM: 03.06.2015

e) Quantity : 1 x 500 gm

f) Mode of Packing : Packed in a poly pack (original packing)  
& in paper envelope.

g) Date of Receipt : 13.06.2015

h) Seal : Intact

i) IO's Signature : Signed

j) Date of Start : 13.06.2015

k) Date of Completion : 15.06.2015

l) Any other information : Date of Expiry  
Manufactured By : 02.06.2017  
United Phosphorus Limited, SCO-18, 1<sup>st</sup> Floor,  
Phase-9, SAS Nagar, Mohali (Punjab)

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant  
ISS/Work Instructions, if any : N.A.





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Page 2 of 2  
Date: 15.06.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of homogenous powder yellowish in colour. It wets readily on mixing with water, providing a suspension suitable for spray.	
2.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.94
3.	Suspensibility (% by mass), Min	50.0	60.12
4.	Wettability, in seconds Max.	120	31
5.	Mancozeb content (% by mass)	75, +5%, -3% of the nominal value	75.14
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.57
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	20.18

PART D : REMARKS: The above submitted sample of Mancozeb 75% WP (Uthane M-45)  
CONFORMS to BIS Spec. No. 8708-2006 with respect to the above tests.

\*\*End of Report\*\*



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## TEST CERTIFICATE

Issued to: Senior Plant Protection Officer,  
 Directorate of Horticulture, Navbahar,  
 Shimla - 2 (HP)

Copy to: Dr. Joginder Dhiman  
 Office of SPPO, Directorate of Horticulture,  
 Nav Bahar, Shimla -2,  
 (H.P.)

Document QF:2501  
 Page 1 of 2

Report No.	: F-13U0615
Dated	: 15.06.2015
Ref. No.	: Letter
Dated	: 12.06.2015

Test Report as Per IS: 8708-2006

With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : MANCOZEB 75% WP  
 (Uthane M-45)

b) Declared Values, if any : 75 %

c) Code No. : --

d) Batch No. and date of manufacture : FM1SMZ0026, DOM: 02.06.2015

e) Quantity : 1 x 500 gm

f) Mode of Packing : Packed in a poly pack (original packing)  
 & in paper envelope.

g) Date of Receipt : 13.06.2015

h) Seal : Intact

i) IO's Signature : Signed

j) Date of Start : 13.06.2015

k) Date of Completion : 15.06.2015

l) Any other information : Date of Expiry : 01.06.2017  
 Manufactured By : United Phosphorus Limited, SCO-18, 1<sup>st</sup> Floor,  
 Phase-9, SAS Nagar, Mohali (Punjab)

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant  
 ISS/Work Instructions, if any : N.A.





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Continuation Sheet of Report No. F-13U0615

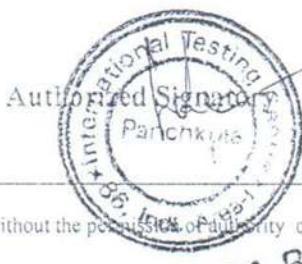
Page 2 of 2  
 Date: 15.06.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of homogenous powder yellowish in colour. It wets readily on mixing with water, providing a suspension suitable for spray.	
2.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.86
3.	Suspensibility (% by mass), Min	50.0	60.71
4.	Wettability, in seconds Max.	120	30
5.	Mancozeb content (% by mass)	75, +5%, -3% of the nominal value	75.07
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.63
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	20.26

PART D : REMARKS: The above submitted sample of Mancozeb 75% WP (Uthane M-45) CONFORMS to BIS Spec. No. 8708-2006 with respect to the above tests.

\*\*End of Report\*\*



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# Idma Laboratories Limited

(A Government Approved Test House)

NABL/MOEF/BIS/State Pollution Boards/Drug & Cosmetic Act/ISO 9001; 14001; 13001 Certified

## TEST REPORT

583

16/6/15

Ref. No. IL/D	1160	/15-16	Date: 15-06-15	Lab No.	110615NL-C-03	Page: 1/1			
Issued To:	Senior Plant Protection Officer, O/o Directorate of Horticulture, Navbahar, Shimla-2 (HP)								
Type of Sample:	Pesticide								
Work Order No.	Nil		Dated	11.06.15					
Customer's Description of Sample:	Propineb 70% WP (Antracol), Batch No. ANTSA5155								
Quantity:	500 gm								
Packing & Markings:	Sample Contained in a sealed aluminium pouch in printed "Propineb 70% WP (Antracol)" & further packed into sealed carton box & with seal intact.								
Seal:	Sealed								
Mode of Receipt of Sample:	By Hand								
Date of Receipt of Sample:	11.06.15		Period of Analysis	03 Days					
Date of Manufacturing	07.06.15		Date of Expiry	06.06.17					
S. No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD				
1.	Description	--	Off white homogenous powder. It wets readily on mixing with water suitable for spray.	The material shall be in the form of homogenous powder. It shall wet readily on mixing with water suitable for spray.	--				
2.	Propineb content	%m/m	70.06	+5 -3 % of the Nominal value (70)	IHM				
3.	Sieving (material passing through 75micron IS: sieve)	%m/m	99.3	Min. 98	IS: 6940-1982 (R-2002) Amend 2				
4.	Suspensibility	%m/m	75.8	Min. 70					
5.	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.04	Max. 0.5					
6.	Wettability	second	12	Max. 120					

OPINION: The submitted sample of Propineb 70% WP (Antracol) Conforms to Product Specification with respect to the above tests.

Sh. A. S. K.  
16/6/15  
G. P. P.

*Galv*  
Authorized Signatory

JAS-ANZ



AN ISO 9001:2008



# Idma Laboratories Limited

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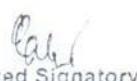
NABL/MOEF/BIS/State Pollution Boards/Drug & Cosmetic Act/ISO 9001; 14001; 18001 Certified

## TEST REPORT

173

Ref. No. IL/D	1161	/15-16	Date:	15-06-15	Lab No.	110615NL-C-04	Page: 1/1
Issued To:				Senior Plant Protection Officer, O/o Directorate of Horticulture, Navbahar, Shimla-2 (HP)			
Type of Sample:				Pesticide			
Work Order No.			Nil		Dated		11.06.15
Customer's Description of Sample:				Propineb 70% WP (Antracol), Batch No. ANTS A5157			
Quantity:				500 gm			
Packing & Markings:				Sample Contained in a sealed Aluminium pouch imprinted "Propineb 70% WP (Antracol) " & further packed into sealed carton box with seal intact.			
Seal:				Sealed			
Mode of Receipt of Sample:				By Hand			
Date of Receipt of Sample:				11.06.15	Period of Analysis		03 Days
Date of Manufacturing				07.06.15	Date of Expiry		06.06.17
S. No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD		
1.	Description	--	Off white homogenous powder. It wets readily on mixing with water suitable for spray.	The material shall be in the form of homogenous powder. It shall wet readily on mixing with water suitable for spray.	--		
2.	Propineb content	%m/m	70.12	+5 -3 % of the Nominal value (70)	IHM		
3.	Sieving (material passing through 75micron IS: sieve)	%m/m	99.5	Min. 98		IS: 6940-1982 (R-2002) Amend 2	
4.	Suspensibility	%m/m	75.3	Min. 70			
5.	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.03	Max. 0.5			
6.	Wettability	second	9	Max. 120			

OPINION: The submitted sample of Propineb 70% WP (Antracol) Conforms to Product Specification with respect to the above tests.

  
Authorized Signatory

JAS-ANZ



AN ISO 9001:2008



-40- -41-

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## TEST REPORT

Ref. No. IL/D	1162	/15-16	Date:	15-06-15	Lab No.	110615NL-C-05	Page: 1/1
Issued To:				Senior Plant Protection Officer, O/o Directorate of Horticulture, Navbahar, Shimla-2 (HP)			
Type of Sample:				Pesticide			
Work Order No.			Nil		Dated	✓	11.06.15
Customer's Description of Sample:				Propineb 70% WP (Antracol), Batch No. ANTS A5158			
Quantity:				500 gm			
Packing & Markings:				Sample contained in a sealed Aluminium pouch imprinted "Propineb 70% WP( Antracol) " & further packed into sealed carton box with seal intact.			
Seal:				Sealed			
Mode of Receipt of Sample:				By Hand			
Date of Receipt of Sample:			11.06.15		Period of Analysis		03 Days
Date of Manufacturing			07.06.15		Date of Expiry		06.06.17
S.No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD		
1.	Description	--	Off white homogenous. It wets readily on mixing with water suitable for spray.	The material shall be in the form of homogenous powder. It shall wet readily on mixing with water suitable for spray.	--		
2.	Propineb content	%m/m	70.09	+5 -3 % of the Nominal value (70)	IHM		
3.	Sieving (material passing through 75micron IS: sieve)	%m/m	99.6	Min. 98	IS: 6940-1982 (R-2002) Amend 2		
4.	Suspensibility	%m/m	75.5	Min. 70			
5.	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.05	Max. 0.5			
6.	Wettability	second	14	Max. 120			

OPINION: The submitted sample of Propineb 70% WP (Antracol), Conforms to Product Specification with respect to the above tests.

  
Authorized Signatory

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## TEST REPORT

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Ref. No. IL/D	1163	1/15-16	Date: 15-06-15	Lab No.	110615NL-C-06	Page: 1/1
Issued To:	Senior Plant Protection Officer, O/o Directorate of Horticulture, Navbahar, Shimla-2 (HP)					
Type of Sample:	Pesticide					
Work Order No.	Nil		Dated		11.06.15	
Customer's Description of Sample:	Propineb 70% WP (Antracol), Batch No. ANTSA5159					
Quantity:	500 gm					
Packing & Markings:	Sample Contained in a sealed aluminum pouch imprinted "Propineb 70% WP (Antracol)" & further packed into sealed carton box & with seal intact.					
Seal:	Sealed					
Mode of Receipt of Sample:	By Hand					
Date of Receipt of Sample:	11.06.15			Period of Analysis	03 Days	
Date of Manufacturing	08.06.15			Date of Expiry	07.06.17	
S.No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD	
1.	Description	--	off white homogenous powder. it wets readily on mixing with water suitable for spray.	The material shall be in the form of homogenous powder. It shall wet readily on mixing with water suitable or spray.	--	
2.	Propineb content	%m/m	70.08	+5 -3 % of the Nominal value (70)	IHM	
3.	Sieving (material passing through 75micron IS: sieve)	%m/m	99.6	Min. 98	IS: 6940-1982 (R-2002) Amend 2	
4.	Suspensibility	%m/m	75.7	Min. 70		
5.	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.02	Max. 0.5		
6.	Wettability	second	10	Max. 120		

OPINION: The submitted sample of Propineb 70% WP (Antracol), Conforms to Product Specification with respect to the above tests.

*Fahad*  
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## TEST REPORT

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25/6/15

D.No. IL/D- 1165	/15-16	Date: 15.06.15	Lab No.	130615NL-B-02	Page-1/1
Issued to:	Senior Plant Protection Officer, O/o Directorate of Horticulture, Nav Bahar, Shimla-2 (Himachal Pradesh)				
Type of Sample:	Pesticide				
Work order No.:	Nil		Dated	12.06.15	
Customer's Description of Sample:	Thiophanate Methyl 70 % WP (ROKO) B. No..J150056				
Quantity:	100 gm				
Packing & Markings:	Sample Contained in a sealed aluminium pouch imprinted "Thiophanate Methyl 70% (ROKO)" & further packed into sealed envelope having signed sample slip which gave details of sample & with seal intact.				
Seal:	Sealed				
Mode of Receipt of Sample:	By Hand				
Date of Receipt of Sample:	13.06.15		Period of Analysis:	02 Days	
Date of Manufacturing	June -2015		Date of Expiry	May-2017	
Testing Protocol	IS: 14552-1998 (R-2002) with Amdt 01				
S.No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD
1.	Description	--	Cream Coloured fine free flowing homogenous powder free from extraneous impurities, it wets readily on mixing with water providing a suspension suitable for spray.	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
2.	Thiophanate methyl content	% m/m	70.09	+5 -3 of the nominal value (70)	IS: 14551-1998
3.	Material passing through 75 micron IS: Sieve	% m/m	98.61	Min 98	IS: 6940 1982 R 2002
4.	Suspensibility	% m/m	56.7	Min 50.0	IS: 6940 1982 R 2002
5.	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	% m/m	0.03	Max 0.20	
6.	Wettability	seconds	22	Max 120	

OPINION: The submitted sample of Thiophanate Methyl 70 % WP (ROKO) Conforms to BIS Specification IS: 14552-1998 (R-2002) with Amdt. 01 with respect to above tests.

  
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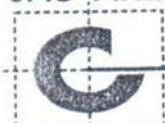


## TEST REPORT

Ref. No. ILD-1166	/15-16	Date: 15-06-15	Lab No.	130615NL-B-03		
Issued to:	Senior Plant Protection Officer, O/o Directorate of Horticulture, Nav Bharat, Shimla-2 (Himachal Pradesh).					
Type of Sample:	Pesticide					
Work order No.:	NIL	Dated:	12.06.15			
Customer's Description of Sample:	Hexythiazox 5.45 % EC (MAIDEN) B. No.J150015					
Quantity:	100 ml					
Packing & Markings:	Sample Contained in a sealed plastic bottle imprinted "Hexythiazox 5.45% (Maiden) " & further packed into sealed envelope having signed Sample slip which gave details of sample & with seal intact.					
Seal:	Sealed					
Mode of Receipt of Sample:	By Hand					
Date of Receipt of Sample:	13.06.15	Period of Analysis	02 Days			
Date of Manufacturing:	June-2015	Date of Expiry	May-2017			
Testing Protocol:	Product Specification					
S. No	TEST	UNIT	RESULT	REQUIREMENTS		
1.	Description	--	Light yellow clear stable homogenous liquid free from sediment suspended matter. It forms an emulsion on dilution with water suitable for spray.	The material shall be in the form of clear stable & homogeneous liquid free from sediment suspended matter shall be negligible. It shall forms an emulsion on dilution with water suitable for spray.		
2.	Cold test 10 °C (For 1 hrs)	°C	No Turbidity or separation of solid or Oily matter or both occurred at the end of the test.	No turbidity or separation of solid or oily matter or both shall occur at the end of the test.		
3.	Flash point (Abel)	°C	67	Above 24.5		
4.	Emulsion on stability 1 of 100 ml emulsion prepare with std hard water kept for 1 hrs at 30 +1 °C)	ml	Creaming -- NIL Sediment -- NIL Any Separation -- NIL	Any Separation including creaming and sediment shall not exceed 2.0 ml		
5.	Hexythiazox Content	% m/m	5.52	+10% of the nominal value (5.45) -5%		
6.	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	% m/m	0.04	Max 0.5		
OPINION: The submitted sample of Hexythiazox 5.45 % EC (Maiden) Conforms to Product Specification with respect to the above tests.						

  
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## TEST REPORT

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25/6/15

D.No. IL/D- 1186 /15-16 Date: 19.6.15 Lab No. 130615L-B-03 Page-1/1

Issued to:	SR. Plant Protection Officer, O/o Directorate of Horticulture, Nav Bahar, Shimla-2, (Himachal Pradesh)		
Type of Sample:	Pesticide		
Customer's Description of Sample:	Chlorpyriphos 20% EC, Durmet, Batch No. 15050205		
Quantity:	500 ml		
Packing & Markings:	Sample Contained in a sealed plastic bottle imprinted chlorpyriphos 20% EC (Durmet) & further packed into sealed envelope & with seal intact.		
Seal:	Sealed		
Mode of Receipt of Sample:	By Hand		
Work order No.:	NIL		Dated: 12.06.2015
Date of Receipt of Sample:	13.06.15		Period of Analysis: 03 Days
Date of Manufacturing/ Casting:	02.06.15		Date of Expiry: 01.06.17
Testing Protocol:	IS: 8944-2005		

S. No.	TEST	Unit	RESULT	REQUIREMENTS	TEST METHOD
1.	Description		Light Yellow homogenous stable liquid free from sediment suspended matter. It forms an emulsion on dilution with water suitable for spray.	The material shall be in the form of a homogeneous stable liquid free from sediments. Suspended matter shall be negligible. It shall forms an emulsion on dilution with water, suitable for spray.	IS: 8944-2005
2.	Cold Test at 10°C (for 1 hr)	°C	No Turbidity or separation of solid or oily matter of both occurred at the end of the test.	No turbidity or separation of solid or oily matter or both shall occur at the end of the test.	IS: 6940-1982
3.	Flash point (abel)	--	57	Above 24.5	IS: 1448 (P: 20) 1998
4.	Emulsion stability (of 100 ml emulsion prepared with standard hard water and kept for 1 hour at 30±1°C)	% m/m	Creaming - NIL Sediment - NIL Any Separation -- NIL	Any separation including creaming & sediment shall not exceed 2.0ml.	IS: 6940-1982
5.	Chlorpyriphos content	% m/m	20.13	±5% of the Nominal value (20)	IS: 8963-1978
6.	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	% m/m	0.02	Max 0.05	IS: 6940-1982

OPINION: The Submitted Sample of Chlorpyriphos 20% EC Conforms to BIS Specification IS: 8944-2005 with respect to the above tests

Authorized Signatory  
TM/III/III/III

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## TEST REPORT

D.No. IL/D- 1185	/15-16	Date: 19.6.15	Lab No.	130615L-B-02	Page-1/1
Issued to:	SR .Plant Protection Officer, O/o Directorate of Horticulture, Nav Bahar, Shimla-2, (Himachal Pradesh)				
Type of Sample:	Pesticide				
Customer's Description of Sample:	Chlorpyriphos 20% EC, Durmet, Batch No. 15050204				
Quantity:	500 ml				
Packing & Markings:	Sample Contained in a sealed plastic bottle imprinted Chlorpyriphos 20% EC (Durmet) & further packed into sealed envelope & with seal intact.				
Seal:	Sealed				
Mode of Receipt of Sample:	By Hand				
Work order No.:	NIL		Dated:	12.06.2015	
Date of Receipt of Sample:	13.06.15		Period of Analysis:	03 Days	
Date of Manufacturing/ Casting:	02.05.15		Date of Expiry:	01.05.17	
Testing Protocol:	IS: 8944-2005				
S.No.	TEST	Unit	RESULT	REQUIREMENTS	TEST METHOD
1.	Description		Light yellow homogenous stable liquid free from sediment suspended matter. it forms an emulsion on dilution with water suitable for spray.	The material shall be in the form of a homogeneous stable liquid free from sediments. Suspended matter shall be negligible. It shall forms an emulsion on dilution with water, suitable for spray.	IS: 8944-2005
2.	Cold Test at 10°C (for 1 hr)	°C	No turbidity or separation of solid or Oily matter or both occurred at the end of the test.	No turbidity or separation of solid or oily matter or both shall occur at the end of the test.	IS: 6940-1982
3.	Flash point (abel)	--	55	Above 24.5	IS: 1448 (P: 20) 1998
4.	Emulsion stability (of 100 ml emulsion prepared with standard hard water and kept for 1 hour at 30±1°C)	% m/m	Creaming -- NIL Sediment -- NIL Any Separation -- NIL	Any separation including creaming & sediment shall not exceed 2.0ml.	IS: 6940-1982
5.	Chlorpyriphos content	% m/m	20.10	±5% of the Nominal value (20)	IS: 8963-1978
6.	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.03	Max 0.05	IS: 6940-1982

OPINION: The Submitted Sample of Chlorpyriphos 20% EC Conforms to BIS Specification IS: 8944-2005 with respect to the above tests.

Authorized Signatory  
TM/III/III

JAS-ANZ





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## TEST CERTIFICATE

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Shimla -2

Document QF:2501  
Page 1 of 2

Copy to: Dr. Rajeshwar Parmar (HDO)  
O/o Senior Plant Protection Officer  
Himachal Pradesh, Shimla -2 (H.P.)

Report No.	: F-17U1115
Dated	: 19.06.2015
Ref. No.	: Letter
Dated	: 17.06.2015

Test Report as Per IS: 8708-2006

With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : MANCOZEB 75% WP (Indofil M-45)

b) Declared Values, if any : 75 %

c) Code No. : --

d) Batch No. and date of manufacture : TMZL-6651, DOM: 05.06.2015

e) Quantity : 500 gm

f) Mode of Packing : Packed in a poly pack (original pack) further packed in LDPE bag & thread wax sealed.

g) Date of Receipt : 17.06.2015

h) Seal : Intact

i) IO's Signature : Signed

j) Date of Start : 17.06.2015

k) Date of Completion : 19.06.2015

l) Any other information  
Date of Expiry : 04.06.2017

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant  
ISS/Work Instructions, if any : N.A.

H/00 6/10

S. Ashutosh





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Continuation Sheet of Report No. F-17U1115

Page 2 of 2  
Date: 19.06.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of homogenous powder yellowish in colour. It wets readily on mixing with water, providing a suspension suitable for spray.	
2.	Mancozeb content (% by mass)	75, +5%, -3% of the nominal value	75.30
3.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.92
4.	Suspensibility (% by mass), Min	50.0	60.28
5.	Wettability, in seconds Max.	120	26
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.56
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	20.18

PART D : REMARKS: The above submitted sample of Mancozeb 75% WP (Indofil M-45) CONFORMS to BIS Spec. No. 8708-2006 with respect to the above tests.  
\*\*End of Report\*\*



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Shimla -2

Copy to: Dr. Rajeshwar Parmar (HDO)  
O/o Senior Plant Protection Officer  
Himachal Pradesh, Shimla -2 (H.P.)

Document QF:2501  
Page 1 of 2

Report No.	: F-17U1215
Dated	: 19.06.2015
Ref. No.	: Letter
Dated	: 17.06.2015

Test Report as Per IS: 8708-2006

With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : MANCOZEB 75% WP (Indofil M-45)

b) Declared Values, if any : 75 %

c) Code No. : --

d) Batch No. and date of manufacture : TMZL-6652, DOM: 05.06.2015

e) Quantity : 500 gm

f) Mode of Packing : Packed in a poly pack (original pack) further packed in LDPE bag & thread wax sealed.

g) Date of Receipt : 17.06.2015

h) Seal : Intact

i) IO's Signature : Signed

j) Date of Start : 17.06.2015

k) Date of Completion : 19.06.2015

l) Any other information : Date of Expiry : 04.06.2017

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant ISS/Work Instructions, if any : N.A.





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(B3)

Continuation Sheet of Report No. F-17U1215

Page 2 of 2  
Date: 19.06.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of homogenous powder yellowish in colour. It wets readily on mixing with water, providing a suspension suitable for spray.	
2.	Mancozeb content (% by mass)	75, +5%, -3% of the nominal value	75.26
3.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.94
4.	Suspensibility (% by mass), Min	50.0	60.18
5.	Wettability, in seconds Max.	120	28
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.58
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	20.12

PART D : REMARKS: The above submitted sample of Mancozeb 75% WP (Indofil M-45) CONFORMS to BIS Spec. No. 8708-2006 with respect to the above tests.  
\*\*End of Report\*\*



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 3. Sample consumed/not consumed in testing.



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## TEST CERTIFICATE

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O/o Senior Plant Protection Officer  
Himachal Pradesh, Shimla -2 (H.P.)

Document QF:2501  
Page 1 of 2

Report No.	: F-17U1315
Dated	: 19.06.2015
Ref. No.	: Letter
Dated	: 17.06.2015

Test Report as Per IS: 8708-2006

With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : MANCOZEB 75% WP (Indofil M-45)

b) Declared Values, if any : 75 %

c) Code No. : --

d) Batch No. and date of manufacture : TMZL-6653, DOM: 06.06.2015

e) Quantity : 500 gm

f) Mode of Packing : Packed in a poly pack (original pack) further packed in LDPE bag & thread wax sealed.

g) Date of Receipt : 17.06.2015

h) Seal : Intact

i) IO's Signature : Signed

j) Date of Start : 17.06.2015

k) Date of Completion : 19.06.2015

l) Any other information : Date of Expiry : 05.06.2017

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant ISS/Work Instructions, if any : N.A.





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Continuation Sheet of Report No. F-17U1315

Page 2 of 2  
Date: 19.06.2015

## PART C : TEST RESULTS

S.No. TEST/CL.REF.

SPECIFIED REQUIREMENTS

RESULTS

1.	Description: The material is in the form of homogenous powder yellowish in colour. It wets readily on mixing with water, providing a suspension suitable for spray.	
2.	Mancozeb content (% by mass)	75, +5%, -3% of the nominal value
3.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0
4.	Suspensibility (% by mass), Min	50.0
5.	Wettability, in seconds Max.	120
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0
		60.22
		29
		2.60
		20.21

PART D : REMARKS: The above submitted sample of Mancozeb 75% WP (Indofil M-45) CONFORMS to BIS Spec. No. 8708-2006 with respect to the above tests.

\*\*End of Report\*\*



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Document QF:2501  
Page 1 of 2

Report No.	:	F-17U1415
Dated	:	19.06.2015
Ref. No.	:	Letter
Dated	:	17.06.2015

Test Report as Per IS: 8708-2006

With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : MANCOZEB 75% WP (Indofil M-45)

b) Declared Values, if any : 75 %

c) Code No. : --

d) Batch No. and date of manufacture : TMZL-6654, DOM: 06.06.2015

e) Quantity : 500 gm

f) Mode of Packing : Packed in a poly pack (original pack) further packed in LDPE bag & thread wax sealed.

g) Date of Receipt : 17.06.2015

h) Seal : Intact

i) IO's Signature : Signed

j) Date of Start : 17.06.2015

k) Date of Completion : 19.06.2015

l) Any other information  
Date of Expiry : 05.06.2017

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant ISS/Work Instructions, if any : N.A.





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Continuation Sheet of Report No. F-17U1415

Page 2 of 2

Date: 19.06.2015

## PART C : TEST RESULTS

S.No.	TEST/CL. REF.	SPECIFIED REQUIREMENTS	RESULTS
-------	---------------	------------------------	---------

1.	Description:	The material is in the form of homogenous powder yellowish in colour. It wets readily on mixing with water, providing a suspension suitable for spray.	
2.	Mancozeb content (% by mass)	75, +5%, -3% of the nominal value	75.22
3.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.86
4.	Suspensibility (% by mass), Min	50.0	60.15
5.	Wettability, in seconds Max.	120	30
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.55
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	20.24

PART D : REMARKS: The above submitted sample of Mancozeb 75% WP (Indofil M-45) CONFORMS to BIS Spec. No. 8708-2006 with respect to the above tests.

\*\*End of Report\*\*



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731  
4/7/15

## TEST CERTIFICATE

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Document QF:2501  
Page 1 of 2

Copy to: Dr. Rajeshwar Parmar (HDO)  
O/o Sr. Plant Protection Officer,  
Himachal Pradesh, Shimla -2 (HP)

Report No.	: F-23U0515
Dated	: 26.06.2015
Ref. No.	: Letter
Dated	: 22.06.2015

Test Report as Per IS: 3899-1981

With Amendment No. (s) 1 & 2

(Reaffirmed 2002)

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : ZINEB 75% WP (Indofil Z-78)

b) Declared Values, if any : 75 %

c) Code No. : --

d) Batch No. and date of manufacture : TZBL-6696 DOM: 11.06.2015

e) Quantity : 500 gm

f) Mode of Packing : Packed in sealed original packing, further packed in HDPE bag & thread wax sealed.

g) Date of Receipt : 23.06.2015

h) Seal : *Sh. Alok* : Intact

i) IO's Signature : *leg 3/7/15* : Signed

j) Date of Start : 23.06.2015

k) Date of Completion : 26.06.2015

l) Any other information : Date of Expiry : 10.06.2017

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant ISS/Work Instructions, if any :





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Continuation Sheet of Report No. F-23U0515

Page 2 of 2

Date: 26.06.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of homogenous powder creamy in colour. It wets readily on mixing with water, providing a suspension suitable for spray.	
2.	Zineb content (% by mass)	75, +5%, -3% of the nominal value	75.18
3.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.82
4.	Suspensibility (% by mass), Min	50.0	60.66
5.	Wettability, in seconds Max.	120	26
6.	Zinc content of Zineb (% by mass)	22.0 to 24.0	22.19

PART D : REMARKS: The above submitted sample of Zineb 75% WP (Indofil Z-78) CONFORMS to BIS Spec. No. IS: 3899-1981 with upto date amdts with respect to the above tests.

\*\*End of Report\*\*

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Document QF:2501  
 Page 1 of 2

Copy to: Dr. Rajeshwar Parmar (HDO)  
 O/o Sr. Plant Protection Officer,  
 Himachal Pradesh, Shimla -2 (HP)

Report No.	: F-23U0615
Dated	: 26.06.2015
Ref. No.	: Letter
Dated	: 22.06.2015

Test Report as Per IS: 3899-1981

With Amendment No. (s) 1 & 2

(Reaffirmed 2002)

### PART A: PARTICULARS OF SAMPLE SUBMITTED

- a) Nature of sample : ZINEB 75% WP (Indofil Z-78)
- b) Declared Values, if any : 75 %
- c) Code No. : --
- d) Batch No. and date of manufacture : TZBL-6697, DOM: 11.06.2015
- e) Quantity : 500 gm
- f) Mode of Packing : Packed in sealed original packing, further packed in HDPE bag & thread wax sealed.
- g) Date of Receipt : 23.06.2015
- h) Seal : Intact
- i) IO's Signature : Signed
- j) Date of Start : 23.06.2015
- k) Date of Completion : 26.06.2015
- l) Any other information  
 Date of Expiry : 10.06.2017

### PART B: SUPPLEMENTARY INFORMATIONS

- a) Reference to sampling procedure, wherever applicable : N.A.
- b) Deviation from the test methods as prescribed in relevant ISS/Work Instructions, if any : N.A.





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Continuation Sheet of Report No. F-23U0615

Page 2 of 2

Date: 26.06.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of homogenous powder creamy in colour. It wets readily on mixing with water, providing a suspension suitable for spray.	
2.	Zineb content (% by mass)	75, +5%, -3% of the nominal value	75.22
3.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.76
4.	Suspensibility (% by mass), Min	50.0	61.22
5.	Wettability, in seconds Max.	120	30.0
6.	Zinc content of Zineb (% by mass)	22.0 to 24.0	22.14

PART D : REMARKS: The above submitted sample of Zineb 75% WP (Indofil Z-78) CONFORMS to BIS Spec. No. IS: 3899-1981 with upto date amdt's with respect to the above tests.

\*\*End of Report\*\*

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Page 1 of 2

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O/o Sr. Plant Protection Officer,  
Himachal Pradesh, Shimla -2 (HP)

Report No.	: F-23U0715
Dated	: 26.06.2015
Ref. No.	: Letter
Dated	: 22.06.2015

Test Report as Per IS: 3899-1981  
(Reaffirmed 2002) With Amendment No. (s) 1 & 2

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : ZINEB 75% WP (Indofil Z-78)

b) Declared Values, if any : 75 %

c) Code No. : --

d) Batch No. and date of manufacture : TZBL-6698, DOM: 11.06.2015

e) Quantity : 500 gm

f) Mode of Packing : Packed in sealed original packing, further packed in HDPE bag & thread wax sealed.

g) Date of Receipt : 23.06.2015

h) Seal : Intact

i) IO's Signature : Signed

j) Date of Start : 23.06.2015

k) Date of Completion : 26.06.2015

l) Any other information  
Date of Expiry : 10.06.2017

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant  
ISS/Work Instructions, if any : N.A.





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Continuation Sheet of Report No. F-23U0715

Page 2 of 2

Date: 26.06.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
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1.	Description:	The material is in the form of homogenous powder creamy in colour. It wets readily on mixing with water, providing a suspension suitable for spray.	
2.	Zineb content (% by mass)	75, +5%, -3% of the nominal value	75.22
3.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.86
4.	Suspensibility (% by mass), Min.	50.0	62.14
5.	Wettability, in seconds Max.	120	32.0
6.	Zinc content of Zineb (% by mass)	22.0 to 24.0	22.22

PART D : REMARKS: The above submitted sample of Zineb 75% WP (Indofil Z-78) CONFORMS to BIS Spec. No. IS: 3899-1981 with upto date amdt's with respect to the above tests.

\*\*End of Report\*\*

Authorized Signatory



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Document QF:2501  
Page 1 of 2

Copy to: Dr. Rajeshwar Parmar (HDO)  
O/o Sr. Plant Protection Officer,  
Himachal Pradesh, Shimla -2 (HP)

Report No.	: F-23U0815
Dated	: 26.06.2015
Ref. No.	: Letter
Dated	: 22.06.2015

Test Report as Per IS: 3899-1981  
(Reaffirmed 2002)

With Amendment No. (s) 1 & 2

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : ZINEB 75% WP (Indofil Z-78)

b) Declared Values, if any : 75 %

c) Code No. : --

d) Batch No. and date of manufacture : TZBL-6699, DOM: 11.06.2015

e) Quantity : 500 gm

f) Mode of Packing : Packed in sealed original packing, further packed in HDPE bag & thread wax sealed.

g) Date of Receipt : 23.06.2015

h) Seal : Intact

i) IO's Signature : Signed

j) Date of Start : 23.06.2015

k) Date of Completion : 26.06.2015

l) Any other information  
Date of Expiry : 10.06.2017

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant  
ISS/Work Instructions, if any :





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Continuation Sheet of Report No. F-23U0815

Page 2 of 2

Date: 26.06.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of homogenous powder creamy in colour. It wets readily on mixing with water, providing a suspension suitable for spray.	
2.	Zineb content (% by mass)	75, +5%, -3% of the nominal value	75.08
3.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.76
4.	Suspensibility (% by mass), Min	50.0	60.44
5.	Wettability, in seconds Max.	120	28.0
6.	Zinc content of Zineb (% by mass)	22.0 to 24.0	22.34

PART D : REMARKS: The above submitted sample of Zineb 75% WP (Indofil Z-78) CONFORMS to BIS Spec. No. IS: 3899-1981 with upto date amdt's with respect to the above tests.

\*\*End of Report\*\*



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2015

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Copy to: Dr. Rajeshwar Parmar (HDO)  
O/o Sr. Plant Protection Officer,  
Himachal Pradesh, Shimla -2 (HP)

Report No.	:	F-23U0915
Dated	:	26.06.2015
Ref. No.	:	Letter
Dated	:	22.06.2015

Test Report as Per IS: 3899-1981  
(Reaffirmed 2002)

With Amendment No. (s) 1 & 2

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : ZINEB 75% WP (Indofil Z-78)

b) Declared Values, if any : 75 %

c) Code No. : --

d) Batch No. and date of manufacture : TZBL-6700, DOM: 11.06.2015

e) Quantity : 500 gm

f) Mode of Packing : Packed in sealed original packing, further packed in HDPE bag & thread wax sealed.

g) Date of Receipt : 23.06.2015

h) Seal : Intact

i) IO's Signature : Signed

j) Date of Start : 23.06.2015

k) Date of Completion : 26.06.2015

l) Any other information  
Date of Expiry : 10.06.2017

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant ISS/Work Instructions, if any :





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Continuation Sheet of Report No. F-23U0915

Page 2 of 2

Date: 26.06.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of homogenous powder creamy in colour. It wets readily on mixing with water, providing a suspension suitable for spray.	
2.	Zineb content (% by mass)	75, +5%, -3% of the nominal value	75.24
3.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.79
4.	Suspensibility (% by mass), Min	50.0	62.14
5.	Wettability, in seconds Max.	120	31.0
6.	Zinc content of Zineb (% by mass)	22.0 to 24.0	22.41

PART D : REMARKS: The above submitted sample of Zineb 75% WP (Indofil Z-78) CONFORMS to BIS Spec. No. IS: 3899-1981 with upto date amdts with respect to the above tests.

\*\*End of Report\*\*

Note:

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Copy to: Dr. Rajeshwar Parmar (HDO)  
O/o Sr. Plant Protection Officer,  
Himachal Pradesh, Shimla -2 (HP)

Report No.	:	F-23U1015
Dated	:	26.06.2015
Ref. No.	:	Letter
Dated	:	22.06.2015

Test Report as Per IS: 3899-1981

With Amendment No. (s) I & 2

(Reaffirmed 2002)

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : ZINEB 75% WP (Indofil Z-78)

b) Declared Values, if any : 75 %

c) Code No. : --

d) Batch No. and date of manufacture : TZBL-6483. DOM: 14.05.2015

e) Quantity : 500 gm

f) Mode of Packing : Packed in sealed original packing, further packed in HDPE bag & thread wax sealed.

g) Date of Receipt : 23.06.2015

h) Seal : Intact

i) IO's Signature : Signed

j) Date of Start : 23.06.2015

k) Date of Completion : 26.06.2015

l) Any other information  
Date of Expiry : 13.05.2017

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant ISS/Work Instructions, if any :





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Continuation Sheet of Report No. F-23U1015

Page 2 of 2  
Date: 26.06.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of homogenous powder creamy in colour. It wets readily on mixing with water, providing a suspension suitable for spray.	
2.	Zineb content (% by mass)	75, +5%, -3% of the nominal value	75.38
3.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.84
4.	Suspensibility (% by mass), Min	50.0	62.64
5.	Wettability, in seconds Max.	120	33.0
6.	Zinc content of Zineb (% by mass)	22.0 to 24.0	22.19

PART D : REMARKS: The above submitted sample of Zineb 75% WP (Indofil Z-78) CONFORMS to BIS Spec. No. IS: 3899-1981 with upto date amdt's with respect to the above tests.

\*\*End of Report\*\*

Note:

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RAI



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736

4/27/15

SHIMLA

## TEST CERTIFICATE

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Shimla - 5

Copy to: Dr. Joginder Dhiman (SPPO)  
Director of Horticulture,  
Nav Bahar, Shimla -2

Document QF:2501  
Page 1 of 2

Report No.	: F-25U1415
Dated	: 27.06.2015
Ref. No.	: Letter
Dated	: 25.06.2015

Test Report as Per IS: 8708-2006

With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : MANCOZEB 75% WP  
(Uthane M-45)

b) Declared Values, if any : 75 %

c) Code No. : --

d) Batch No. and date of manufacture : FM1SMZ0029, DOM: 03.06.2015

e) Quantity : 500 gm

f) Mode of Packing : Packed in sealed original packing, further packed in paper envelope.

g) Date of Receipt : 25.06.2015

h) Seal : Intact

i) IO's Signature : *Sh. Asstt. S. P. D.* : Signed

j) Date of Start : 25.06.2015

k) Date of Completion : 27.06.2015

l) Any other information : Date of Expiry : 02.06.2017  
Manufactured By : United Phosphorus Limited, SCF-91, 2<sup>nd</sup> Floor,  
Phase-7, Mohali (Punjab)

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant ISS/Work Instructions, if any : N.A.





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Continuation Sheet of Report No. F-25U1415

Page 2 of 2  
Date: 27.06.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of homogenous powder yellowish in colour. It wets readily on mixing with water, providing a suspension suitable for spray.	
2.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.92
3.	Susceptibility (% by mass), Min	50.0	60.24
4.	Wettability, in seconds Max.	120	28
5.	Mancozeb content (% by mass)	75, +5%, -3% of the nominal value	75.35
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.53
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	20.32

PART D : REMARKS: The above submitted sample of Mancozeb 75% WP (Uthane M-45)  
CONFORMS to BIS Spec. No. 8708-2006 with respect to the above tests.

\*\*End of Report\*\*



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Navbahar, Shimla -5 (HP)  
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Copy to: Dr. Joginder Dhiman (SPPO)  
Director of Horticulture,  
Nav Bahar, Shimla -2

Report No.	: F-25U1515
Dated	: 27.06.2015
Ref. No.	: Letter
Dated	: 25.06.2015

Test Report as Per IS: 8708-2006

With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : MANCOZEB 75% WP  
(Uthane M-45)

b) Declared Values, if any : 75 %

c) Code No. : --

d) Batch No. and date of manufacture : FMISMZ0025, DOM: 02.06.2015

e) Quantity : 500 gm

f) Mode of Packing : Packed in sealed original packing, further packed in paper envelope.

g) Date of Receipt : 25.06.2015

h) Seal : Intact

i) IO's Signature : Signed

j) Date of Start : 25.06.2015

k) Date of Completion : 27.06.2015

l) Any other information : Date of Expiry : 01.06.2017  
Manufactured By : United Phosphorus Limited, SCF-91, 2<sup>nd</sup> Floor,  
Phase-7, Mohali (Punjab)

### PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable : N.A.

b) Deviation from the test methods as prescribed in relevant ISS/Work Instructions, if any : N.A.





# International Testing Centre

(A Government Approved Test House)

86, Industrial Area, Phase-I, Panchkula-134109 (Haryana)

Phone : (O) 0172-2561543, 2565825, Fax : 91-172-2561543

Visit us : [www.itclabs.com](http://www.itclabs.com); E-mail : itc86@yahoo.com



Continuation Sheet of Report No. F-25U1515

Page 2 of 2

Date: 27.06.2015

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of homogenous powder yellowish in colour. It wets readily on mixing with water, providing a suspension suitable for spray.	
2.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.90
3.	Suspensibility (% by mass), Min	50.0	60.27
4.	Wettability, in seconds Max.	120	26
5.	Mancozeb content (% by mass)	75, +5%, -3% of the nominal value	75.29
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.43
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	20.45

PART D : REMARKS: The above submitted sample of Mancozeb 75% WP (Uthane M-45) CONFORMS to BIS Spec. No. 8708-2006 with respect to the above tests.

\*\*End of Report\*\*



Note:

1. This report is only for the sample tested.
2. This report cannot be reproduced except in full, with the permission of authority of Testing Centre.
3. Sample consumed/not consumed in testing.



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## TEST REPORT

Print Protection  
No. 21  
ED e Date 15.07.15

Ref. No. IL/D	1766	/15-16	Date: 14.07.15	Lab No. 100715NC-B-04	Page: 16
Issued To:	DIRECTOR OF HORTICULTURE, Navbhar, Shimla-2(H.P)				
Type of Sample:	Pesticide				
Work Order No.	Nil		Dated	10.07.15	
Customer's Description of Sample:	Propineb 70% WP (Antracol), Batch No. ANTSA5230				
Quantity	500 gm				
Packing & Markings:	Sample Contained in a sealed aluminium pouch imprinted "Propineb 70% WP (Antracol)" & further packed into sealed box having signed sample slip which gave details of sample & with seal intact.				
Seal:	Sealed				
Mode of Receipt of Sample:	By Hand				
Date of Receipt of Sample:	10.07.15		Period of Analysis	04 Days	
Date of Manufacturing	01.07.15		Date of Expiry	30.06.17	
S. No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD
1.	Description	--	off white homogenous powder. It wets readily on mixing with water suitable for spray.	The material shall be in the form of homogenous powder. It shall wet readily on mixing with water suitable for spray.	--
2.	Propineb content	%m/m	70.12	+5 -3 % of the Nominal value (70)	IHM
3.	Sieving (material passing through 75micron IS. sieve)	%m/m	99.6	Min. 98	IS: 6940-1982 (R-2002) Amend 2
4.	Suspensibility	%m/m	75.8	Min. 70	
5.	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.01	Max. 0.5	
6.	Wettability	second	10	Max. 120	

OPINION: The submitted sample of Propineb 70% WP (Antracol), Conforms to Product Specification with respect to the above tests.

*Farah*  
Authorized Signatory

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## TEST REPORT

Ref. No. IL/D	1767	1/15-16	Date: 14.07.15	Lab No.	100715NL-B-05	Page: 1/1
Issued To	DIRECTOR OF HORTICULTURE, Navbahar, Shimla-2(H.P)					
Type of Sample:	Pesticide					
Work Order No.	Nil		Dated		10.07.15	
Customer's Description of Sample:	Propineb 70% WP (Antracol), Batch No. ANTSAS5235					
Quantity:	500 gm					
Packing & Markings:	Sample Contained in a sealed aluminium pouch imprinted "Propineb 70% WP (Antracol)" & further packed into sealed box having signed sample slip which gave details of sample & with seal intact.					
Seal:	Sealed					
Mode of Receipt of Sample:	By Hand					
Date of Receipt of Sample:	10.07.15		Period of Analysis	04 Days		
Date of Manufacturing	01.07.15		Date of Expiry	30.06.17		
S.No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD	
1.	Description	..	off white homogenous powder. It wets readily on mixing with water suitable for spray.	The material shall be in the form of homogenous powder. It shall wet readily on mixing with water suitable for spray.	--	
2.	Propineb content	%m/m	70.10	+5 -3 % of the Nominal value (70)	IHM	
3.	Sieving (material passing through 75micron IS: sieve)	%m/m	99.7	Min. 98	IS: 6940-1982 (R-2002) Amend 2	
4.	Suspensibility	%m/m	75.5	Min. 70		
5.	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.02	Max. 0.5		
6.	Wettability	second	9	Max. 120		

OPINION: The submitted sample of Propineb 70% WP (Antracol), Conforms to Product Specification with respect to the above tests.

*Sal*  
Authorized Signatory

JAS-ANZ





# Idma Laboratories Limited

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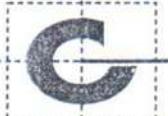
## TEST REPORT

Ref. No. IL/D	1768	1/15-16	Date: 14.07.15	Lab No.	100715NL-B-06	Page: 1/1
Issued To:	DIRECTOR OF HORTICULTURE, Navbahar, Shimla-2(H.P)					
Type of Sample:	Pesticide					
Work Order No.	Nil		Dated.		10.07.15	
Customer's Description of Sample:	Propineb 70% WP (Antracol), Batch No. ANTSA5239					
Quantity:	500 gm					
Packing & Markings:	Sample Contained in a sealed aluminium pouch imprinted " Propineb 70% WP (Antracol) " & further packed into sealed box having signed sample slip which gave details of sample & with seal intact.					
Seal:	Sealed					
Mode of Receipt of Sample:	By Hand					
Date of Receipt of Sample:	10.07.15			Period of Analysis	04 days	
Date of Manufacturing	02.07.15			Date of Expiry	01.07.17	
S. No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD	
1.	Description	--	off white homogenous powder. It wets readily on mixing with water suitable for spray.	The material shall be in the form of homogenous powder. It shall wet readily on mixing with water suitable for spray.	--	
2.	Propineb content	%m/m	70.08	+5 -3 % of the Nominal value (70)	IHM	
3.	Sieving (material passing through 75micron IS sieve)	%m/m	99.5	Min. 98	IS. 6940-1982 (R-2002) Amend 2	
4.	Suspensibility	%m/m	75.6	Min. 70		
5.	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.03	Max. 0.5		
6.	Wettability	second	11	Max. 120		

OPINION: The submitted sample of Propineb 70% WP (Antracol), Conforms to Product Specification with respect to the above tests.

  
Authorized Signatory

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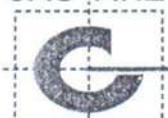
## TEST REPORT

Ref. No. IL/D	1769	15-16	Date: 14.07.15	Lab No.	100715NL-B-07	Page: 1/1
Issued To:	DIRECTOR OF HORTICULTURE, Navbhar, Shimla-2(H.P)					
Type of Sample:	Pesticide					
Work Order No.	Nil		Dated		10.07.15	
Customer's Description of Sample:	Propineb 70% WP (Antracol), Batch No. ANTSA5240					
Quantity:	500 gm					
Packing & Markings:	Sample Contained in a sealed aluminium pouch imprinted " Propineb 70% WP (Antracol) " & further packed into sealed box having signed sample slip which gave details of sample & with seal intact					
Seal:	Sealed					
Mode of Receipt of Sample:	By Hand					
Date of Receipt of Sample:	10.07.15			Period of Analysis	04 days	
Date of Manufacturing	03.07.15			Date of Expiry	02.07.17	
S.No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD	
1.	Description	--	Off white homogenous powder. It wets readily on mixing with water suitable for spray.	The material shall be in the form of homogenous powder. It shall wet readily on mixing with water suitable for spray.	--	
2.	Propineb content	%m/m	70.07	+5 -3 % of the Nominal value (70)	IRM	
3.	Sieving (material passing through 75micron IS: sieve)	%m/m	99.8	Min. 98	IS: 6940-1982 (R-2002) Amend 2	
4.	Suspensibility	%m/m	75.7	Min. 70		
5.	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.04	Max. 0.5		
6.	Wettability	second	9	Max. 120		

OPINION: The submitted sample of Propineb 70% WP (Antracol), Conforms to Product Specification with respect to the above tests.

  
Authorized Signatory

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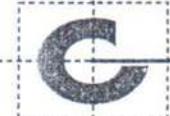
## TEST REPORT

Ref. No. IL/D	1770 /15-16	Date:	14.07.15	Lab No.	100715NL-B-08	Page: 1/1
Issued To:	DIRECTOR OF HORTICULTURE, Navbahar, Shimla-2(H.P)					
Type of Sample:	Pesticide					
Work Order No.	Nil	Dated			10.07.15	
Customer's Description of Sample:	Propineb 70% WP (Antracol), Batch No. ANTSA5244					
Quantity:	500 gm					
Packing & Markings:	Sample Contained in a sealed aluminium pouch imprinted " Propineb 70% WP (Antracol) " & further packed into sealed box having signed sample slip which gave details of sample & with seal intact					
Seal:	Sealed					
Mode of Receipt of Sample:	By Hand					
Date of Receipt of Sample:	10.07.15		Period of Analysis		04 Days	
Date of Manufacturing	04.07.15		Date of Expiry		03.07.17	
S.No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD	
1.	Description	--	off white homogenous powder. It wets readily on mixing with water suitable for spray	The material shall be in the form of homogenous powder. It shall wet readily on mixing with water suitable for spray.	--	
2.	Propineb content	%m/m	70.15	+5 -3 % of the Nominal value (70)	IHM	
3.	Sieving (material passing through 75micron IS: sieve)	%m/m	99.7	Min. 98	IS: 6940-1982 (R-2002) Amend 2	
4.	Suspensibility	%m/m	75.5	Min. 70		
5.	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.01	Max. 0.5		
6.	Wettability	second	12	Max. 120		

OPINION: The submitted sample of Propineb 70% WP (Antracol), Conforms to Product Specification with respect to the above tests.

  
Authorized Signatory

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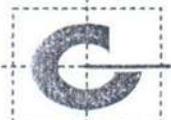
## TEST REPORT

Ref. No. IL/D	1771 /15-16	Date:	14-07-15	Lab No.	100715NL-B-09	Page: 1/1
Issued To:		DIRECTOR OF HORTICULTURE Navbahar, Shimla-2(H.P)				
Type of Sample:		Pesticide				
Work Order No.		Nil		Dated	10.07.15	
Customer's Description of Sample:		Propineb 70% WP (Antracol), Batch No. ANTSA5245				
Quantity:		500 gm				
Packing & Markings:		Sample Contained in a sealed aluminium pouch imprinted " Propineb 70% WP (Antracol) " & further packed into sealed box having signed sample slip which gave details of sample & with seal intact				
Seal:		Sealed				
Mode of Receipt of Sample:		By Hand				
Date of Receipt of Sample:		10.07.15		Period of Analysis	04 days	
Date of Manufacturing		04.07.15		Date of Expiry	03.07.17	
S.No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD	
1.	Description	--	off white homogenous powder. It wets readily on mixing with water suitable for spray.	The material shall be in the form of homogenous powder. It shall wet readily on mixing with water suitable for spray.	--	
2.	Propineb content	%m/m	70.11	+5 -3 % of the Nominal value (70)	IHM	
3.	Sieving (material passing through 75micron IS: sieve)	%m/m	99.6	Min. 98	IS: 6940-1982 (R-2002) Amend 2	
4.	Suspensibility	%m/m	75.7	Min. 70		
5.	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.02	Max. 0.5		
6.	Wettability	second	10	Max. 120		

OPINION: The submitted sample of Propineb 70% WP (Antracol), Conforms to Product Specification with respect to the above tests.

6 Authorized Signatory

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## TEST REPORT

Ref. No. IL/D	1772	/15-16	Date:	14.07.15	Lab No.	100715NL-B-10	Page: 1/1			
Issued To:	DIRECTOR OF HORTICULTURE, Navbahar, Shimla-2(H.P)									
Type of Sample:	Pesticide									
Work Order No.	Nil			Dated	10.07.15					
Customer's Description of Sample:	Propineb 70% WP (Antracol), Batch No. ANTSA5246									
Quantity:	500 gm									
Packing & Markings:	Sample Contained in a sealed aluminium pouch imprinted " Propineb 70% WP (Antracol) " & further packed into sealed box having signed sample slip which gave details of sample & with seal intact									
Seal:	Sealed									
Mode of Receipt of Sample:	By Hand									
Date of Receipt of Sample:	10.07.15			Period of Analysis	04 days					
Date of Manufacturing	04.07.15			Date of Expiry	04.07.17					
S.No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD					
1.	Description	--	off white homogenous powder. It wets readily on mixing with water suitable for spray.	The material shall be in the form of homogenous powder. It shall wet readily on mixing with water suitable for spray.	--					
2.	Propineb content	%m/m	70.13	+5 -3 % of the Nominal value (70)	IHM					
3.	Sieving (material passing through 75micron IS. sieve)	%m/m	99.5	Min. 98	IS: 6940-1982 (R-2002) Amend 2					
4.	Suspensibility	%m/m	75.6	Min. 70						
5.	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.01	Max. 0.5						
6.	Wettability	second	12	Max. 120						

OPINION: The submitted sample of Propineb 70% WP (Antracol), Conforms to Product Specification with respect to the above tests.

  
Authorized Signatory

JAS-ANZ



## Idma Laboratories Limited

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GARMENT TEST

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## TEST REPORT

D.No. IL/D- 1759	/15-16	Date: 14.7.15	Lab No.	100715L-A-01	Page-1/1		
Issued to:	DIRECTOR OF HORTICULTURE, Navsahar, Shimla-2(HP)						
Type of Sample:	Pesticide						
Work order No.:	NIL		Dated:	09.07.2015			
Customer's Description of Sample:	Malathion 50% EC, Batch No. RJ-5061501						
Quantity:	250 ML						
Packing & Markings:	Sample Contained in a sealed tin box imprinted "Cythion Malathion 50% EC" & further packed into sealed envelope having signed sample slip which gave details of sample & with seal intact.						
Seal:	Sealed						
Mode of Receipt of Sample:	By Post						
Date of Receipt of Sample:	10.07.15		Period of Analysis:	03 days			
Date of Manufacturing/ Casting:	15.06.15		Date of Expiry:	14.12.16			
Testing Protocol:	IS: 2567-1973 (R-2002) Amdt. 02						
S. No.	Test	Unit	Result	Requirements	Test method		
1.	Description	-	Yellow clear stable & homogenous liquid free from sediment & suspended matter. It forms an emulsion on dilution with water suitable for spray.	The material shall be in the form of clear, stable & homogenous liquid free from sediment. Suspended matter shall be negligible, it shall form an emulsion on dilution with water suitable for spray.	IS: 2567-1978		
2.	Cold test at 10°C (For 1 hour)	-	No turbidity or separation of solid or Oily matter or both occurred at the end of the test.	No turbidity or separation of solid or oily matter or both shall occur at the end of the test.	IS: 6940-1982		
3.	Flash point (Abel)	°C	62	Above 24.5	IS: 1448 (P-20)1998		
4.	Emulsion stability (of 100ml emulsion prepared with std. hard water & kept for 1hour at $30 \pm 1^{\circ}\text{C}$ )	ml	Creaming--NIL Sediment--NIL Any Separation-- NIL	Any separation, including creaming and sedimentation shall not exceed 2.0ml	IS: 6940-1982		
5.	Malathion content	%m/m	50.15	+5 -3 of the nominal value (50)	IS: 1832-1978		
6.	Acidity (as $\text{H}_2\text{SO}_4$ )	%m/m	0.02	Max 0.5	IS: 6940-1982		

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OPINION: The submitted sample of Malathion 50% EC Conforms to BIS specification IS: 2567-1978 (R-2002) with Amdt. 1&amp; 2 with respect to the above tests.

  
 Authorized Signatory  
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## TEST REPORT

D.No. IL/D- 1760	/15-16	Date: 14.7.15	Lab No.	100715NL-C-11	Page-1/1
Issued to:	DIRECTOR OF HORTICULTURE, Shimla-2, (Himachal Pradesh)				
Type of Sample:	Pesticide				
Customer's Description of Sample:	Zineb 75 % WP (Indofil Z-78) Batch No. TZBL-6856				
Quantity:	500 gm				
Packing & Markings:	Sample Contained in a sealed aluminum pouch imprinted "Zineb 75% (Indofil z-78)" & further packed into duly sealed H.D.P.E bag having signed sample slip which gave details of sample & with seal intact.				
Seal:	Sealed				
Mode of Receipt of Sample:	By Hand				
Work order No.:	NIL		Dated:	10.07.2015	
Date of Receipt of Sample:	10.07.15		Period of Analysis:	03 Days	
Date of manufacturing :	03.07.15		Date of Expiry	02.07.17	
Testing Protocol	IS: 3899-1981 (R-2002) Amdt. 02				
S.No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD
1.	Description	--	Yellow wish homogenous powder, it wets readily on mixing with water providing a suspension suitable for spray.	The material shall be in the form of homogenous powder. Creamy in colour. It shall wet readily on mixing with water providing a suspension suitable for spray.	IS: 3899-1981
2.	Zineb content	%m/m	75.09	+5 -3 % of the Nominal value (75)	IS: 3899-1981
3.	Sieving (material passing through 75micron IS: sieve)	%m/m	99.6	Min. 99	IS: 6940-1982 R-2002
4.	Suspensibility	%m/m	56.8	Min. 50	IS: 6940-1982 R-2002
5.	Wettability	second	15	Max. 120	IS: 6940-1982 R-2002
6.	Zinc content of Zineb	%m/m	22.3	22.0-24.0	IS: 8707-1978

Opinion: The submitted sample of Zineb 75% WP (Indofil Z-78) Conforms to IS Specification IS IS: 3899-1981 (R-2002) Amdt. 02 with respect to the above tests.

*Abu*  
Authorized Signatory

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JAS-ANZ





# Idma Laboratories Limited

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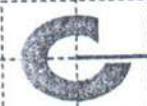
## TEST REPORT

D.No. ILD- 1761	1/15-16	Date: 14.7.15	Lab No.	100715NL-C-12	Page-1/1
Issued to:	DIRECTOR OF HORTICULTURE, Shimla-2, (Himachal Pradesh)				
Type of Sample:	Pesticide				
Customer's Description of Sample:	Zineb 75 % WP (Indofil Z-78) Batch No. TZBL-6857				
Quantity:	500 gm				
Packing & Markings:	Sample Contained in a sealed aluminium pouch imprinted "Zineb 75% WP (Indofil Z-78)" & further packed into duly sealed H.D.P.E bag having signed sample slip which gave details of sample & with seal intact.				
Seal:	Sealed				
Mode of Receipt of Sample:	By Hand				
Work order No.:	NIL		Dated:	10.07.15	
Date of Receipt of Sample:	10.07.15		Period of Analysis:	03 days	
Date of manufacturing:	04.07.15	Date of Expiry	03.07.17		
Testing Protocol	IS: 3899-1981 (R-2002) Amdt. 02				
S.No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD
1.	Description	--	Yellowish homogenous powder. It wets readily on mixing with water providing a suspension suitable for spray.	The material shall be in the form of homogenous powder. Creamy in colour. It shall wet readily on mixing with water providing a suspension suitable for spray.	IS: 3899-1981
2.	Zineb content	%m/m	75.13	+5 -3 % of the Nominal value (75)	IS: 3899-1981
3.	Sieving (material passing through 75micron IS: sieve)	%m/m	99.7	Min. 99	IS: 6940-1982 R-2002
4.	Suspensibility	%m/m	56.5	Min. 50	IS: 6940-1982 R-2002
5.	Wettability	second	16	Max. 120	IS: 6940-1982 R-2002
6.	Zinc content of Zineb	%m/m	23.1	22.0-24.0	IS: 8707-1978

Opinion: The submitted sample of Zineb 75% WP (Indofil Z-78) Conforms to IS Specification IS: IS: 3899-1981 (R-2002) Amdt. 02 with respect to the above tests.

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Authorized Signatory

JAS-ANZ



AN ISO 9001:2008



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## TEST REPORT

D.No. IL/D- 1762 /15-16	Date: 14.7.15	Lab No.	100715NL-C-13	Page-1/1
Issued to:	DIRECTOR OF HORTICULTURE, Shimla-2, (Himachal Pradesh)			
Type of Sample:	Pesticide			
Customer's Description of Sample:	Zineb 75 % WP (Indofil Z-78) Batch No.TZBL-6858			
Quantity:	500 gm			
Packing & Markings:	Sample Contained in a sealed aluminium pouch imprinted "Zineb 75% WP(Indofil Z-78)" & Further packed into duly sealed H.D.P.E bag having signed sample slip which gave details of sample & with seal intact.			
Seal:	Sealed			
Mode of Receipt of Sample:	By Hand			
Work order No.:	NIL		Dated:	10.07.15
Date of Receipt of Sample:	10.07.15		Period of Analysis:	03 days
Date of manufacturing :	04.07.15	Date of Expiry	03.07.17	
Testing Protocol	IS: 3899-1981 (R-2002) Amdt. 02			
S.No.	TEST	UNIT	RESULT	REQUIREMENTS
1.	Description	--	Yellow wish homogenous powder, it wets readily on mixing with water providing a suspension suitable for spray.	The material shall be in the form of homogenous powder. Creamy in colour. It shall wet readily on mixing with water providing a suspension suitable or spray.
2.	Zineb content	%m/m	75.10	+5 -3 } % of the Nominal value (75)
3.	Sieving (material passing through 75micron IS: sieve)	%m/m	99.6	Min. 99
4.	Suspensibility	%m/m	56.8	Min. 50
5.	Wettability	second	14	Max. 120
6.	Zinc content of Zineb	%m/m	22.8	22.0-24.0

Opinion: The submitted sample of Zineb 75 % WP (Indofil Z-78) Conforms to IS Specification IS IS: 3899-1981 (R-2002) Amdt. 02 with respect to the above tests.

  
Authorized Signatory

JAS-ANZ



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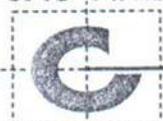
## TEST REPORT

D.No. ILD- 1763 /15-16	Date: 14.7.15	Lab No. 100715NL-C-14	Page-1/1		
Issued to:	DIRECTOR OF HORTICULTURE, Shimla-2, (Himachal Pradesh)				
Type of Sample:	Pesticide				
Customer's Description of Sample:	Zineb 75 % WP (Indofil Z-73) Batch No.TZBL-6859				
Quantity:	500 gm				
Packing & Markings:	Sample Contained in a sealed aluminium pouch Imprinted "Zineb 75% WP (Indofil Z-78)" & Further packed into duly sealed H.D.P.E bag having signed sample slip which gave details of sample & with seal intact.				
Seal:	Sealed				
Mode of Receipt of Sample:	By Hand				
Work order No.:	NIL	Dated: 10.07.15	10.07.15		
Date of Receipt of Sample:	10.07.15	Period of Analysis:	03 days		
Date of manufacturing:	04.07.15	Date of Expiry	03.07.17		
Testing Protocol	IS: 3899-1981 (R-2002) Amdt. 02				
S. No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD
1.	Description	--	Yellowish homogenous powder. It wets readily on mixing with water providing a suspension suitable for spray.	The material shall be in the form of homogenous powder. Creamy in colour. It shall wet readily on mixing with water providing a suspension suitable for spray.	IS: 3899-1981
2.	Zineb content	%m/m	75.07	+5 -3 % of the Nominal value (75)	IS: 3899-1981
3.	Sieving (material passing through 75micron IS: sieve)	%m/m	99.5	Min. 99	IS: 6940-1982 R-2002
4.	Suspensibility	%m/m	56.8	Min. 50	IS: 6940-1982 R-2002
5.	Wettability	second	17	Max. 120	IS: 6940-1982 R-2002
6.	Zinc content of Zineb	%m/m	22.4	22.0-24.0	IS: 8707-1978

Opinion: The submitted sample of Zineb 75 % WP (Indofil Z-78) Conforms to IS Specification IS IS: 3899-1981 (R-2002) Amdt. 02 with respect to the above tests.

  
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## TEST REPORT

D.No. ILD-1764 /15-16	Date: 14.7.15	Lab No. 100715NL-C-15	Page-1/1
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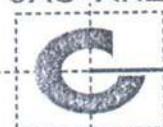
Issued to:	DIRECTOR OF HORTICULTURE, Shimla-2, (Himachal Pradesh)		
Type of Sample:	Pesticide		
Customer's Description of Sample:	Zineb 75 % WP (Indofil Z-78) Batch No.TZBL-6860		
Quantity:	500 gm		
Packing & Markings:	Sample contained in a sealed aluminium pouch imprinted Zineb 75% WP (Indofil Z-78) & further packed into duly sealed H.D.P.E bag having signed sample slip which gave details of sample & with seal intact.		
Seal:	Sealed		
Mode of Receipt of Sample:	By Hand		
Work order No.:	NIL		Dated: 10.07.15
Date of Receipt of Sample:	10.07.15		Period of Analysis: 03 days
Date of manufacturing :	04.07.15	Date of Expiry	03.07.17
Testing Protocol	IS: 3899-1981 (R-2002) Amdt. 02		

S. No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD
1.	Description	--	Yellowish homogenous powder. It wets readily on mixing with water providing suspension for spray.	The material shall be in the form of homogenous powder. Creamy in colour. It shall wet readily on mixing with water providing a suspension suitable for spray.	IS: 3899-1981
2.	Zineb content	%m/m	75.09	+5 -3 % of the Nominal value (75)	IS: 3899-1981
3.	Sieving (material passing through 75micron IS: sieve)	%m/m	99.7	Min. 99	IS: 6940-1982 R-2002
4.	Suspensibility	%m/m	56.5	Min. 50	IS: 6940-1982 R-2002
5.	Wettability	second	15	Max., 120	IS: 6940-1982 R-2002
6.	Zinc content of Zineb	%m/m	22.7	22.0-24.0	IS:8707-1978

Opinion: The submitted sample of Zineb 75 % WP (Indofil Z-78) Conforms to IS Specification IS IS: 3899-1981 (R-2002) Amdt. 02 with respect to the above tests.

*Rahul*  
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## TEST REPORT

D.No. IL/D- 1765/15-16	Date: 14.7.15	Lab No. 100715NL-C-16	Page-1/1		
Issued to:	DIRECTOR OF HORTICULTURE, Shimla-2, (Himachal Pradesh)				
Type of Sample:	Pesticide				
Customer's Description of Sample:	Zineb 75 % WP (Indofil Z-78) Batch No.TZBL-6861				
Quantity:	500 gm				
Packing & Markings:	Sample Contained in a sealed aluminium pouch imprinted " Zineb 75% WP (Indofil Z-78) " & further packed in to duly sealed H.D.P.E bag having signed sample slip which gave details of sample & with seal intact.				
Seal:	Sealed				
Mode of Receipt of Sample:	By Hand				
Work order No.:	NIL	Dated:	10.07.15		
Date of Receipt of Sample:	10.07.15	Period of Analysis:	03 days		
Date of manufacturing :	04.07.15	Date of Expiry	03.07.17		
Tasting Protocol	IS: 3899-1981 (R-2002) Amdt. 02				
S.No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD
1.	Description	--	Yellow wish homogenous Powder. It wets readily on mixing with water providing a suspension suitable for spray.	The material shall be in the form of homogenous powder. Creamy in colour. It shall wet readily on mixing with water providing a suspension suitable for spray.	IS: 3899-1981
2.	Zineb content	%m/m	75.14	+5 -3 % of the Nominal value (75)	IS: 3899-1981
3.	Sieving (material passing through 75micron IS: sieve)	%m/m	99.5	Min. 99	IS: 6940-1982 R-2002
4.	Suspensibility	%m/m	56.7	Min. 50	IS: 6940-1982 R-2002
5.	Wettability	second	16	Max. 120	IS: 6940-1982 R-2002
6.	Zinc content of Zineb	%m/m	23.2	22.0-24.0	IS:8707-1978

Opinion: The submitted sample of Zineb 75 % WP (Indofil Z-78) Conforms to IS Specification IS IS: 3899-1981 (R-2002) Amdt. 02 with respect to the above tests.

  
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## TEST REPORT

HIMACHAL

D.No. IL/D- 1760	7/15-16	Date: 14.7.16	Lab No.	100715NL-C-11	Page-1/1
Issued to:	DIRECTOR OF HORTICULTURE, Shimla-2, (Himachal Pradesh)				
Type of Sample:	Pesticide				
Customer's Description of Sample:	Zineb 75 % WP (Indofil Z-78) Batch No. TZBT-6856				
Quantity:	500 gm				
Packing & Markings:	Sample Contained in a sealed aluminum pouch imprinted "Zineb 75% (Indofil z-78)" & further packed into duly sealed H.D.P.E bag having signed sample slip which gave details of sample & with seal intact.				
Seal:	Sealed				
Mode of Receipt of Sample:	By Hand				
Work order No.:	NIL		Dated:	10.07.2015	
Date of Receipt of Sample:	10.07.15		Period of Analysis:	03 Days	
Date of manufacturing :	03.07.15		Date of Expiry	02.07.17	
Testing Protocol	IS: 3899-1981 (R-2002) Amdt. 02				
S.No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD
1.	Description	--	Yellow wish homogenous powder, it wets readily on mixing with water providing a suspension suitable for spray.	The material shall be in the form of homogenous powder. Creamy in colour. It shall wet readily on mixing with water providing a suspension suitable for spray.	IS: 3899-1981
2.	Zineb content	%m/m	75.09	+5 -3 % of the Nominal value (75)	IS: 3899-1981
3.	Sieving (material passing through 75micron IS sieve)	%m/m	99.6	Min. 99	IS: 6940-1982 R-2002
4.	Suspensibility	%m/m	56.8	Min. 50	IS: 6940-1982 R-2002
5.	Wettability	second	15	Max. 120	IS: 6940-1982 R-2002
6.	Zinc content of Zineb	%m/m	22.3	22.0-24.0	IS: 8707-1978

Opinion: The submitted sample of Zineb 75% WP (Indofil Z-78) Conforms to IS Specification IS: 3899-1981 (R-2002) Amdt. 02 with respect to the above tests.

*[Signature]* Authorized Signatory





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## TEST REPORT

D.No. IUD- 1761	/15-16	Date: 14.7.15	Lab No.	100715NL-C-12	Page-1/1		
Issued to:	DIRECTOR OF HORTICULTURE, Shimla-2, (Himachal Pradesh)						
Type of Sample:	Pesticide						
Customer's Description of Sample:	Zineb 75 % WP (Indofil Z-78) Batch No.TZBL-6857						
Quantity:	500 gm						
Packing & Markings:	Sample Contained in a sealed aluminium pouch imprinted "Zineb 75% WP (Indofil Z-78)" & further packed into duly sealed H.D.P.E bag having signed sample slip which gave details of sample & with seal intact.						
Seal:	Sealed						
Mode of Receipt of Sample:	By Hand						
Work order No.:	NIL		Dated:	10.07.15			
Date of Receipt of Sample:	10.07.15		Period of Analysis:	03 days			
Date of manufacturing:	04.07.15	Date of Expiry	03.07.17				
Testing Protocol	IS: 3899-1981 (R-2002) Amdt. 02						
S.No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD		
1.	Description	--	Yellowish homogenous powder, it wets readily on mixing with water providing a suspension suitable for spray.	The material shall be in the form of homogenous powder. Creamy in colour. It shall wet readily on mixing with water providing a suspension suitable for spray.	IS: 3899-1981		
2.	Zineb content	%m/m	75.13	+5 % of the Nominal value (75) -3	IS: 3899-1981		
3.	Sieving (material passing through 75micron IS: sieve)	%m/m	99.7	Min. 99	IS: 6940-1982 R-2002		
4.	Suspensibility	%m/m	56.5	Min. 50	IS: 6940-1982 R-2002		
5.	Wettability	second	18	Max. 120	IS: 6940-1982 R-2002		
6.	Zinc content of Zineb	%m/m	23.1	22.0-24.0	IS:8707-1978		

Opinion: The submitted sample of Zineb 75% WP (Indofil Z-78) Conforms to IS Specification IS: 3899-1981 (R-2002) Amdt. 02 with respect to the above tests.

*[Signature]*  
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## TEST REPORT

D.No. IL/D- 1762 115-16	Date: 14.7.15	Lab No.	100715NL-C-13	Page-I/1
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Issued to:	DIRECTOR OF HORTICULTURE, Shimla-2, (Himachal Pradesh)		
Type of Sample:	Pesticide		
Customer's Description of Sample:	Zineb 75 % WP (Indofil Z-78) Batch No.TZBL-6858		
Quantity:	500 gm		
Packing & Markings:	Sample Contained in a sealed aluminium pouch imprinted 'Zineb 75% WP(Indofil Z-78)' & Further packed into duly sealed H.D.P.E bag having signed sample slip which gave details of sample & with seal intact.		
Seal:	Sealed		
Mode of Receipt of Sample:	By Hand		
Work order No.:	NIL		Dated: 10.07.15
Date of Receipt of Sample:	10.07.15		Period of Analysis: 03 days
Date of manufacturing :	04.07.15	Date of Expiry	03.07.17

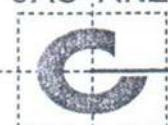
Testing Protocol IS: 3899-1981 (R-2002) Amdt. 02

S.No.	TEST	UNIT	RESULT	REQUIREMENTS	TEST METHOD
1.	Description	--	Yellow wish homogenous powder. it wets readily on mixing with water providing a suspension suitable for spray.	The material shall be in the form of homogenous powder. Creamy in colour. It shall wet readily on mixing with water providing a suspension suitable for spray.	IS: 3899-1981
2.	Zineb content	%m/m	75.10	+5 % of the Nominal value (75) -3	IS: 3899-1981
3.	Sieving (material passing through 75micron IS: sieve)	%m/m	99.6	Min. 99	IS: 6940-1982 R-2002
4.	Suspensibility	%m/m	56.8	Min. 50	IS: 6940-1982 R-2002
5.	Wettability	second	14	Max. 120	IS: 6940-1982 R-2002
6.	Zinc content of Zineb	%m/m	22.8	22.0-24.0	IS:8707-1978

Opinion: The submitted sample of Zineb 75 % WP (Indofil Z-78) Conforms to IS Specification IS IS: 3899-1981 (R-2002) Amdt. 02 with respect to the above tests.

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