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Certified Laboratory



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	: Intact
i)	IO's Signature	: Signed
j)	Date of Start	: 20.04.2015
k)	Date of Completion	: 22.04.2015
l)	Any other information	
	Date of Expiry	: 23.03.2017
	Manufactured By	: United Phosphorus Limited, SCO-18, 1 st 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-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:
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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	
	Date of Expiry	: 23.03.2017
	Manufactured By	: United Phosphorus Limited, SCO-18, 1 st 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





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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
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	: 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	: 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 ₂ SO ₄) (% 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

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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 H ₂ 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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Tel : 0172-5064827, 5064830 Fax : 91-172-2583587

Website : www.idmagroup.co.in E-mail : testing@idmagroup.co.in

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

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 stappled 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.

Authorized Signatory

Sh. Arjun
29/4/15
SPRO



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 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 THIOPHANATE METHYL 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 ₂ SO ₄)	% 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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Document QF:2501

Page 1 of 2

Copy to: Dr. Punam Karrow (HDO, PP)
O/o Dy. Director Of Horticulture,
Solani (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 : N.A.
in relevant ISS/Work Instructions, if any





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Page 2 of 2

Dated: 02.05.2015

Continuation Sheet of Report No. : F-01M1815

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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Page 1 of 2

Copy to: Dr. Deepak Gupta
Bio Control Laboratory, Deptt. Of Horticulture,
Rajhana, 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	:	<u>R-35.</u> <u>DOM: 29.03.2015</u>
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, where ever 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-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 (Glyeel) CONFORMS to Party's specification with respect to the above tests.

****End of Report****



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



Sh. Ashok



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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 ₂ SO ₄) (% 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.

INDRA RAI Testing Centre



International Testing Centre

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Certified Laboratory

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

TEST REPORT

D.No. IL/D-	274	/15-16	Date:	24/4/15	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 pocked 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.	Suspensibility	% 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.

Authorized Signatory

Sh Asok
29/4/15
SPD



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



TEST REPORT

Ref. No. IL/D	291	/15-16	Date	29/4/15	Lab No.	180415L-B-02	Page: 1/1
Issued To:	Director of Horticulture Navbhar Shimla-2 Himachal Pradesh						
Type of Sample:	Pesticide						
Customer's Description of Sample	Chlorpyrifos 20 % EC, (DURMET) Batch No. 15041001						
Quantity:	500 ml						
Packing & Marking:	Sample Contained in a sealed plastic bottle imprinted "Chlorpyrifos 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.	Gel 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: 8940-1982		
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	Creaming- Nil Sediment- Nil Total Separation- Nil	Any separation including creaming & sediment shall not exceed 2.0ml.	IS: 6940-1982		
5.	Chlorpyrifos content	% m/m	20.11	+5% of the Nominal value (20)	IS: 8963-2006		
6.	Acidity (as H ₂ SO ₄)	% m/m	0.01	Max 0.05	IS: 6940-1982		

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

Sh. Asok
29/4/15
SPP

Authorized Signatory
TM/11/111



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

TEST REPORT

D.No. IL/D- 280	15-16	Date: 24/4/15	Lab No.	180-415NL-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 added Modifying agents I 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.


Authorized Signatory

Sh. Ashu
29
29/4/15
SPD



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TEST REPORT

D.No. IL/D- 281		/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	TEST METHOD	
1.	Description	--	White Homogenous powder free from extraneous impurities or adde Modifying agents I 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	65.18	+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	76.8	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 87 respect to above tests.

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TEST REPORT

D. No. IL/D- <u>282</u>		/15-16		Date: <u>24/4/15</u>	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-6287				
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 Conform to BIS Specification No. IS: 8708-2006 with respect to the above Tests.

Authorized Signatory
TM/III/III



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TEST REPORT

D. No. IL/D- <u>283</u>		/15-16	Date: <u>24/4/15</u>	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:			13.04.15	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	56.5	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	75.10	+5 -3 } % Of the Nominal value (75)	IS: 8707-2013	
6.	Zinc content of Mancozeb content	% m/m	2.61	Min. 2.5	IS: 8707-2013	
7.	Manganese content of, Mancozeb	% m/m	20.56	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.

Authorized Signatory
TM/VIII/III



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

Idma No. 10187

TEST REPORT

O. No. I.D. -	556	/15-18	Date: 24/4/18	Lab No. 130415L-J-12	Page-1/1
Issued to:	DIRECTOR OF HORTICULTURE H.P. Shimla-2, Himachal Pradesh Pesticide				
Type of Sample:	Mandazab 75% W.P. (indofil M-45) Batch No TMZ150292				
Quantity:	500 gm				
Packing & Markings:	Sample Contained in a sealed aluminum Pouch imprinted "Mandazab 75% (INDOFILM-45)" & further Packed in to Sealed H.D.P.E bag & with Seal Intact				
Seal:	Sealed				
Receipt of Sample:	By Hand				
Order No.:	NIL		Dated:	17.04.2015	
Date of Receipt of Sample:	18.04.18		Period of Analysis:	03 Days	
Date of Manufacturing:	08.04.18		Date of Expiry:	07.04.17	
Testing Process:	IS: 3708-2006				
S.No.	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 material shall be in the form of a homogeneous powder, yellowish-to-yellowish green in colour. It shall wet readily on mixing with water providing a suspension suitable for spray	IS: 3708-2006
2	Material passing through 45 micron sieve:	% min	99.5	Min. 99	IS: 6940-1982, R-2002 Amtd. 02
3	Suspensibility:	mm	55.5	Min. 50	IS: 6940-1982, R-2002 Amtd. 02
4	Wetability:	Seconds	17	Max. 120	IS: 6940-1982, R-2002 Amtd. 02
5	Mandazab content	% min	75.06	+5 -3 % Of the Nominal value (75)	IS: 3707-2013
6	Zinc content of Mandazab content	% min	2.56	Min. 2.5	IS: 3707-2013
7	Manganese content of Mandazab	% min	20.62	Min. 20.0	IS: 3707-2013

Opinion: The Submitted Sample of Mandazab 75% W.P. conforms to BIS Specification No. IS: 3708-2006 with respect to the above Tests

Authorized Signatory
TM/AMM



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Certificate No. T-0187



TEST REPORT

D. No. IL/D- 285- /15-16		Date: 24/4/15	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 } % Of the Nominal value (75) -3	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.

Authorized Signatory
TM/III/III



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Certificate No. T-0187

TEST REPORT

D. No. IL/D-	286	/15-16	Date: 24/4/15	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.

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 E-mail : 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- 282		/15-16		Date: 24/4/15		Lab No. 180415L-J-15		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:		17.04.2015	
Date of Receipt of Sample:				18.04.15		Period of Analysis:		03 Days	
Date of Manufacturing:				09.04.15		Date of Expiry:		08.04.17	
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	99.5	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	75.09	+5 } -3 } % Of the Nominal value (75)	IS: 8707-2013				
6.	Zinc content of Mancozeb content	% m/m	02.52	Min. 2.5	IS: 8707-2013				
7.	Manganese content of, Mancozeb	% m/m	20.48	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.

Authorized Signatory
TM/III/III



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

Website : www.idmagroup.co.in E-mail : 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-	288	/15-16	Date: 24/4/15	Lab No.	180415L-J-16	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:	17.04.2015
Date of Receipt of Sample:	18.04.15			Period of Analysis:	03 Days	
Date of Manufacturing:	09.04.15			Date of Expiry:	08.04.17	
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	99.5	Min. 99	IS: 6940-1982, R-2002 Amdt. 02	
3.	Suspensibility	%m/m	58.4	Min. 50	IS: 6940-1982, R-2002 Amdt. 02	
4.	Wettability	Seconds	18	Max. 120	IS: 6940-1982, R-2002 Amdt. 02	
5.	Mancozeb content	%m/m	75.12	+5 } % Of the Nominal value (75) -3	IS: 8707-2013	
6.	Zinc content of Mancozeb content	% m/m	2.54	Min. 2.5	IS: 8707-2013	
7.	Manganese content of, Mancozeb	% m/m	20.53	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.

Authorized Signatory
TM/III/III



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TEST CERTIFICATE

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

Document QF:2501

Page 1 of 2

Copy to : Dr. Rajeshwar Parmar
Horticulture Dev. Officer, O/o Director of Horticulture
Naybahar, 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 | |



... 11 April



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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 ₂ SO ₄) (% 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 | : 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 st 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-13U0315

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	99.89
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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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)
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 st 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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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	: 02.06.2017
	Manufactured By	: United Phosphorus Limited, SCO-18, 1 st 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-13U0515

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

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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 st 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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TEST REPORT

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 ₂ SO ₄)	%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.

SR Adak
15/6/15
SPP

Authorized Signatory

JAS-ANZ



AN ISO 9001:2008



Idma Laboratories Limited

(A Government Approved Test House)

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

TEST REPORT

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. ANTSA5157						
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 ₂ SO ₄)	%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



Idma Laboratories Limited

(A Government Approved Test House)

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

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. ANTSA5158						
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 ₂ SO ₄)	%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

JAS-ANZ





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TEST REPORT

Ref. No. IL/D	1163	/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 ₂ SO ₄)	%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.

Authorized Signatory

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AN ISO 9001:2008



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TEST REPORT

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 ₂ SO ₄)	% 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.

Authorized Signatory

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TEST REPORT

Ref. No. IL/D-1166	/15-16	Date: 15-06-15	Lab No.	130615NL-B-03	
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:	Hexythiazox 5.45 % EC (MAIDEN) B. No.J150016				
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	TEST METHOD
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.	IS:6940-1982
3.	Flash point (Abel)	°C	67	Above 24.5	IS :1448(P-20)
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	IS :6940-1982
5.	Hexythiazox Content	% m/m	5.52	+10 -5 } of the nominal value (5.45)	I.H.M
6.	Acidity (as H ₂ SO ₄)	% m/m	0.04	Max 0.5	IS : 6940 -1982

OPINION: The submitted sample of Hexythiazox 5.45 % EC (Maiden) Conforms to Product Specification with respect to the above tests.

Authorized Signatory

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TEST REPORT

6416
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:	Chlorpyrifos 20% EC, Durmet, Batch No. 15050205					
Quantity:	500 ml					
Packing & Markings:	Sample Contained in a sealed plastic bottle imprinted chlorpyrifos 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: 1443 (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.	Chlorpyrifos content	% m/m	20.13	±5% of the Nominal value (20)	IS: 8963-1978	
6.	Acidity (as H ₂ SO ₄)	%m/m	0.02	Max 0.05	IS: 6940-1982	

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

Handwritten signatures and initials:
✓ H/00...
✓ PPO
24/6
sh. Ashu...
25/6

Authorized Signatory
TM/11/11

JAS-ANZ





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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:	Chlorpyrifos 20% EC, Durmet, Batch No. 15050204						
Quantity:	500 ml						
Packing & Markings:	Sample Contained in a sealed plastic bottle imprinted Chlorpyrifos 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.	Chlorpyrifos content	% m/m	20.10	±5% of the Nominal value (20)	IS: 8963-1978		
6.	Acidity (as H ₂ SO ₄)	%m/m	0.03	Max 0.05	IS: 6940-1982		

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

Authorized Signatory
TM/III

JAS-ANZ





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Shimla -2

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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/200 640

Sh. Ashu





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

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 INFORMATION

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

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 INFORMATION

- | | | |
|----|---|--------|
| 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	75.18
3.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.89
4.	Suspensibility (% by mass), Min	50.0	60.22
5.	Wettability, in seconds Max.	120	29
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.60
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	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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Copy to: Dr. Rajeshwar Parmar (HDO)
O/o Senior Plant Protection Officer
Himachal Pradesh, Shimla -2 (H.P.)

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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Page 1 of 2

Copy to: Dr. Rajeshwar Parmar (HDO)
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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 | : 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-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 amds with respect to the above tests.

****End of Report****



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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 amdts with respect to the above tests.

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Report No. : F-23U0715
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-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
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 amtds with respect to the above tests.

****End of Report****

Authorized Signatory



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Report No.	: F-23U0815
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-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.	Zinc 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 amtds with respect to the above tests.

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Authorized Signature



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Report No.	: F-23U0915
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-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.

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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) 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-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 amdts with respect to the above tests.

****End of Report****



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Shimla - 5

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

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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 | : FMISMZ0029, 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 | : 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 nd Floor,
Phase-7, Mohali (Punjab) |

Sh Asok
29
31/7/15
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-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.	Suspensibility (% 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.

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

TEST CERTIFICATE

Issued to: The Senior Plant Protection Officer,
Navbahar, Shimla -5 (IIP)
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-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	: FM1SMZ0025, 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 nd 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-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****



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TEST REPORT

Ref. No. IL/D 1767 /15-16		Date: 14.07.15		Lab No.	100715NL-B-05	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. ANTSA5235				
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 or 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 ₂ SO ₄)	%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.

Authorized Signatory

JAS-ANZ





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TEST REPORT

Ref. No. IL/D	1768	/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 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	99.5	Min. 98	IS: 6940-1982 (R-2002) Amend 2			
4.	Suspensibility	%m/m	75.6	Min. 70				
5.	Acidity (as H ₂ SO ₄)	%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.

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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, Nababhar, 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 or spray.	--	
2.	Propineb content	%m/m	70.07	+5 } % of the Nominal value (70) -3 }	IHM	
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 ₂ SO ₄)	%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.

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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. AN TSA5244				
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 or spray.	--	
2.	Propineb content	%m/m	70.15	+5 } % of the Nominal value (70) -3 }	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 ₂ SO ₄)	%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.

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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 or 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 ₂ SO ₄)	%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.

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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 or 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 ₂ SO ₄)	%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.


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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, Navbahar, 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 ± 1°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 H ₂ SO ₄)	%m/m	0.02	Max 0.5	IS: 6940-1982		

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

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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 or spray.	IS: 3899-1981	
2.	Zineb content	%m/m	75.09	+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	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.

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TEST REPORT

D.No. IL/D- 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 or spray	IS: 3899-1981		
2.	Zineb content	%m/m	75.13	-5 } % of the Nominal -3 } 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: 3899-1981 (R-2002) Amdt. 02 with respect to the above tests.

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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	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 or spray.	IS: 3899-1981		
2.	Zineb content	%m/m	75.10	+5 } % of the Nominal -3 } 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	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.

Authorized Signatory



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TEST REPORT

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D.No. IL/D- 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-78) 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
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 or spray.	IS: 3899-1981		
2.	Zineb content	%m/m	75.07	+5 } % of the Nominal -3 } 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	56.6	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.

Authorized Signatory

JAS-ANZ





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TEST REPORT

D.No. IL/D-1764 /15-16		Date: 14.7.15		Lab No. 100715NL-C-15		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-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 or spray.		IS: 3899-1981	
2.	Zineb content	%m/m	75.09	+5 } % of the Nominal -3 } 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.

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TEST REPORT

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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
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 or spray.	IS: 3899-1981		
2.	Zineb content	%m/m	75.14	+5 } % of the Nominal -3 } 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

D.No. IL/D- 1760		/15-16	Date: 14.7.15	Lab No.	100715NL-C-11	Page-I/I
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 or spray.	IS: 3899-1981	
2.	Zineb content	%m/m	75.09	+5 } % of the Nominal -3 } 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.

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TEST REPORT

D.No. IL/D- 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 or 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	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.

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TEST REPORT

D.No. IL/D- 1762 /15-16		Date: 14.7.15		Lab No. 100715NL-C-13		Page-I/I	
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 or spray.		IS: 3899-1981	
2.	Zineb content	%m/m	75.10	+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	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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