



# Idma Laboratories Limited

(A Government Approved Test House)

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



Certificate No. : T-0187

## TEST REPORT

Ref. No. IL/D- 459	Date 22.4.16	Lab No. 190416L-PP-001	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Mancozeb 75% WP (Uthane M-45)		
Work Order No.	NIL	Dated	16/04/2016
Customer's Description of Sample	Mancozeb 75% WP (Uthane M-45)		
Quantity	500 gm		
Packing, Markings, Seal	Sample Packed in Imprinted Polythene Pouch & Sealed in Paper envelope		
Mode of Receipt of Sample	Courier		
Date of Receipt of Sample	19/04/2016	Batch No.	DN5SMZ0006
Period of Analysis	19/04/2016 To 20/04/2016	Date of Mfg.	07/04/2016
Date of Reporting	20/04/2016	Date of Expiry	06/04/2018
Visual Observation	N/A		
Testing Protocol	IS:8708-2006		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Discription	--	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 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	%	99.3	min 99	IS:6940
3	Suspensibility	%	62.92	min 50	IS:6940
4	Wettability	seconds	22	max 120	IS:6940
5	Mancozeb Content	%	75.22	+5-3% of the nominal value (75)	IS:8707
6	Zinc Content of Mancozeb Content	%	2.52	min 2.5	IS:8707
7	Manganese content of Mancozeb	%	20.46	min 20	IS:8707

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

\*\*End of Report\*\*

For Idma Laboratories Limited

Authorized Signatory  
TM/I/II/III

Su. Ashok HBC  
28/04/16





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## TEST REPORT

Ref. No. IL/D- 460	Date 22.4.16	Lab No. 190416NL-PN-001	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Oxydemeton Methyl 25%EC (Metasystox)		
Work Order No.	NIL		Dated 16/04/2016
Customer's Description of Sample	Oxydemeton Methyl 25%EC (Metasystox)		
Quantity	250 ML		
Packing, Markings, Seal	Sample Packed in Plastic Bottle & Sealed in Paper envelope		
Mode of Receipt of Sample	Courier		
Date of Receipt of Sample	19/04/2016	Batch No.	CNMMTX2502
Period of Analysis	19/04/2016 To 20/04/2016	Date of Mfg.	29/03/2016
Date of Reporting	20/04/2016	Date of Expiry	28/03/2017
Visual Observation	N/A		
Testing Protocol	IS:8259-1976		

## RESULTS

S.No.	Test Parameter	Units	Results	Requirement	Test Method
1	Description	-	Yellow colour homogeneous stable liquid free from sediment and suspended matter. It forms an emulsion on dilution with water suitable for spray.	The material shall be a stable liquid and shall be free from suspended matter and sediment.	IS:8259-1976
2	Cold test at 10 deg.c	-	No turbidity or separation of solid or oily matter or both 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	Deg.c	51	above 24.5	IS:1448(P-20)
4	Emulsion stability(100 ml emulsion prepared with std.hard water and kept for 1hr at 30±1°C	ml	Creaming-Nil;Sediment-Nil. Total separation-Nil	The creaming or the sediment,if any, shall not in either case exceed 2.0ml.	IS:6940-1982
5	Oxydemeton methyl content	%m/m	25.18	±5% of the nominal value(25)	IS:8258-1976
6	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.04	IS:6940-1982	IS:6940-1982

Opinion : The submitted sample of Oxydemeton Methyl 25%EC (Metasystox) Conforms to IS:8259-1976 with respect to above tests.

\*\*End of Report\*\*

For Idma Laboratories Limited

*[Signature]*  
Authorized Signatory

JAS-ANZ





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Sh. Arshak, H.P.  
14/04/2016  
28/4/16



## TEST CERTIFICATE

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

Document QF:2501  
Page 1 of 2

Copy to: Dr. Mala Sharma SMS (NIC)  
O/o Senior Plant Protection Officer  
Department of Horticulture, Shimla-2 (H.P)

Report No.	: F-18A3316
Dated	: 20.04.2016
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	: SAP6C023, DOM: 19.03.2016
e) Quantity	: 1 x 50 ml
f) Mode of Packing	: Packed in a plastic bottle (original packing) & in paper envelope
g) Date of Receipt	: 18.04.2016
h) Seal	: Intact
i) IO's Signature	: Signed
j) Date of Start	: 18.04.2016
k) Date of Completion	: 20.04.2016
l) Any other information	
Date of Expiry	: 18.03.2019
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	: N.A.





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Continuation Sheet of Report No. **F-18A3316**

Page 2 of 2

Date: 20.04.2016

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	<b>Description:</b> 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	25.09
4.	Acidity, (as $\text{H}_2\text{SO}_4$ ) (% by mass)	--	0.16

**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\*\***



Note:

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## TEST CERTIFICATE

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

Document QF:2501  
Page 1 of 2

Copy to: Dr. Mala Sharma SMS (NIC)  
O/o Senior Plant Protection Officer  
Department of Horticulture, Shimla-2 (H.P)

Report No.	:	F-18A3416
Dated	:	20.04.2016
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 : SAP6C024, DOM: 21.03.2016
- e) Quantity : 1 x 50 ml
- f) Mode of Packing : Packed in a plastic bottle (original packing) & in paper envelope
- g) Date of Receipt : 18.04.2016
- h) Seal : Intact
- i) IO's Signature : Signed
- j) Date of Start : 18.04.2016
- k) Date of Completion : 20.04.2016
- l) Any other information : Date of Expiry : 20.03.2019  
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 : N.A.





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Continuation Sheet of Report No. F-18A3416

Page 2 of 2  
Date: 20.04.2016

## 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	25.07
4.	Acidity, (as $\text{H}_2\text{SO}_4$ ) (% by mass)	--	0.13

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

**\*\*End of Report\*\***



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## TEST CERTIFICATE

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

Copy to: Dr. Rajeev Tegta  
Horticulture Development Officer,  
O/o Sr. Plant Protection Officer, Directorate of  
Horticulture, Navbahar, Shimla(HP)

Document QF:2501  
Page 1 of 2

Report No.	: F-05A0316
Dated	: 08.04.2016
Ref. No.	: Letter
Dated	: 04.04.2016

Test Report as Per IS: 3383-1982

With Amendment No. (s) 1 & 2

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample	: WETTABLE SULPHUR POWDER 80% WP (Sulfex)	
b) Declared Values, if any	: 80 %	
c) Code No.	: --	
d) Batch No. and date of manufacture	: Q-240,	DOM: 12.01.2016
e) Quantity	: 500 gm	
f) Mode of Packing	: Packed in original packing	
g) Date of Receipt	: 05.04.2016	
h) Seal	: Intact	
i) IO's Signature	: Signed	
j) Date of Start	: 05.04.2016	
k) Date of Completion	: 08.04.2016	
l) Any other information	Date of Expiry : 11.01.2018 Supplier : Excel Crop Care Limited, New Delhi	

### 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-05A0316**

Page 2 of 2  
Date: 08.04.2016

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of homogeneous powder off white in colour it wets readily on mixing with water providing suspension suitable for spray.	
2.	Sulphur Content (S) (% by mass)	80, +5%, -3% of the nominal value	80.60
3.	Sieving requirement material Passing through 45 Micron IS Sieve (% by mass), Min.	99.9	99.98
4.	Suspensibility (% by mass), Min.	80	91.66
5.	Wettability in seconds, Max.	120	26
6.	Arsenic (as As) (% by mass), Max.	0.01	Not detected

**PART D : REMARKS:** The above submitted sample of Wettable Sulphur Powder 80% (Sulfex) Conforms to BIS Specification No.: 3383-1982 with upto date amend. with respect to the above tests.

**\*\*End of Report\*\***



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## TEST CERTIFICATE

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

Document QF:2501

Page 1 of 2

Copy to: Dr. Rajeev Tegta  
Horticulture Development Officer,  
O/o Sr. Plant Protection Officer, Directorate of  
Horticulture, Navbhar, Shimla(HP)

Report No.	: F-05A0416
Dated	: 08.04.2016
Ref. No.	: Letter
Dated	: 04.04.2016

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	:	S-44, DOM: 12.02.2016
e)	Quantity	:	1 Ltr
f)	Mode of packing	:	Packed in a plastic bottle
g)	Date of receipt	:	05.04.2016
h)	Seal	:	Intact
i)	IO's Signature	:	Signed
j)	Date of Start	:	05.04.2016
k)	Date of Completion	:	08.04.2016
l)	Any other information	:	
	Date of Expiry	:	11.02.2018
	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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OHSAS 18001:2007  
Certified Laboratory

Page 2 of 2

Dated: 08.04.2016

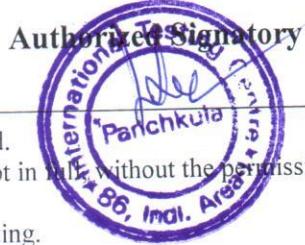
Continuation Sheet of Report No. : **F-05A0416**

## 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	41.35
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	4.46
7.	Specific gravity	1.16 – 1.18	1.1664

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

\*\*End of Report\*\*



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## TEST REPORT

Ref. No. IL/D- 317	Date 15-4-16	Lab No. 110416NL-PN-001	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Thiophanate Methyl 70% WP (ROKO)		
Work Order No.	NIL	Dated 08/04/2016	
Customer's Description of Sample	Thiophanate Methyl 70% WP (ROKO)		
Quantity	100 gm		
Packing, Markings, Seal	Sample Packed in Aluminum Pouch Sealed in Paper envelope		
Mode of Receipt of Sample	By Hand		
Date of Receipt of Sample	11/04/2016	Batch No. J160018	
Period of Analysis	11/04/2016 To 13/04/2016	Date of Mfg. 03/2016	
Date of Reporting	13/04/2016	Date of Expiry 02/2018	
Visual Observation	N/A		
Testing Protocol	IS:14552-1998		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description	--	Cream coloured fine free flowing homogeneous 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	70.07	+5-3%of the nominal value (70)	IS:14551-1998
3	Material Passing through 75 micron IS: Sieve	%m/m	98.7	Min 98	IS:6940-1982
4	Suspensibility	%m/m	57.3	Min 50.0	IS:6940-1982
5	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.03	Max 0.20	IS:6940-1982
6	Wettability	seconds	22	Max 120	IS:6940-1982

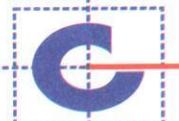
Opinion : The submitted sample of Thiophanate Methyl 70% WP (ROKO) Conforms to IS:14552-1998 with respect to above tests.

\*\*End of Report\*\*

For Idma Laboratories Limited

  
Authorized Signatory

JAS-ANZ





# 12

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## TEST REPORT

Ref. No. IL/D- 245	Date 12-4-16	Lab No. 110416NL-PN-002	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Thiacloprid 21.7% SC (Alanto)		
Work Order No.	NIL	Dated	08/04/2016
Customer's Description of Sample	Thiacloprid 21.7% SC (Alanto)		
Quantity	100 ml		
Packing, Markings, Seal	Sample Packed in Plastic bottle & Sealed in Paper envelope		
Mode of Receipt of Sample	By Hand		
Date of Receipt of Sample	11/04/2016	Batch No.	ALNSA6016
Period of Analysis	11/04/2016 To 12/04/2016	Date of Mfg.	05/04/2016
Date of Reporting	12/04/2016	Date of Expiry	04/04/2018
Visual Observation	N/A		
Testing Protocol	Product Specification		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description		Off white colour viscous liquid	The Material shall be in the forms of white to creamish colour viscous liquid	
2	Thiacloprid Content	%m/m	21.75	±5% of the nominal value ( 21.7)	IHM
3	Suspensibility	%m/m	86.13	min. 85.0%	IS: 6940-1982 (R-2002) Amend 2
4	pH of suspension at 27 Degree C		7.8	7.5 - 9.50	IS: 6940-1982 (R-2002) Amend 2

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

\*\*End of Report\*\*

For Idma Laboratories Limited

*Rahul*  
Authorized Signatory





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*SLP  
DJKW*

## TEST CERTIFICATE

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

Copy to: Dr. Rajeev Tegta  
Horticulture Development Officer,  
O/o Sr. Plant Protection Officer, Directorate of  
Horticulture, Navbhar, Shimla(HP)

Document QF:2501  
Page 1 of 2

Report No.	: F-05A0316
Dated	: 08.04.2016
Ref. No.	: Letter
Dated	: 04.04.2016

Test Report as Per IS: 3383-1982

With Amendment No. (s) 1 & 2

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample : WETTABLE SULPHUR POWDER 80% WP  
*(Sulfex)*

b) Declared Values, if any : 80 %

c) Code No. : --

d) Batch No. and date of manufacture : Q-240, DOM: 12.01.2016

e) Quantity : 500 gm

f) Mode of Packing : Packed in original packing

g) Date of Receipt : 05.04.2016

h) Seal : Intact

i) IO's Signature : Signed

j) Date of Start : 05.04.2016

k) Date of Completion : 08.04.2016

l) Any other information : 11.01.2018

Date of Expiry : 11.01.2018

Supplier : Excel Crop Care Limited, New Delhi

*jh Ashok  
SPD  
20/4/16*

### 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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ISO 9001:2008 & 14001:2004

OHAS 18001:2007

Certified Laboratory

Continuation Sheet of Report No. F-05A0316

Page 2 of 2

Date: 08.04.2016

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of homogeneous powder off white in colour it wets readily on mixing with water providing suspension suitable for spray.	
2.	Sulphur Content (S) (% by mass)	80, +5%, -3% of the nominal value	80.60
3.	Sieving requirement material Passing through 45 Micron IS Sieve (% by mass), Min.	99.9	99.98
4.	Suspensibility (% by mass), Min.	80	91.66
5.	Wettability in seconds, Max.	120	26
6.	Arsenic (as As) (% by mass), Max.	0.01	Not detected

**PART D : REMARKS:** The above submitted sample of Wettable Sulphur Powder 80% (Sulfex) Conforms to BIS Specification No.: 3383-1982 with upto date amend. with respect to the above tests.

**\*\*End of Report\*\***

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## TEST CERTIFICATE

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

Document QF:2501  
Page 1 of 2

Copy to: Dr. Rajeev Tegta  
Horticulture Development Officer,  
O/o Sr. Plant Protection Officer, Directorate of  
Horticulture, Navbhar, Shimla(HP)

Report No.	: F-05A0416
Dated	: 08.04.2016
Ref. No.	: Letter
Dated	: 04.04.2016

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 : S-44, DOM: 12.02.2016
- e) Quantity : 1 Ltr
- f) Mode of packing : Packed in a plastic bottle
- g) Date of receipt : 05.04.2016
- h) Seal : Intact
- i) IO's Signature : Signed
- j) Date of Start : 05.04.2016
- k) Date of Completion : 08.04.2016
- l) Any other information : Date of Expiry : 11.02.2018  
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.





# Idma Laboratories Limited

(A Government Approved Test House)

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Certificate No. : T-0187

## TEST REPORT

182  
23/4/16

Ref. No. IL/D- 368	Date 18-4-16	Lab No. 150416L-PP-001	Page No. 1/1
Customer	Director of Horticulture Nav Bahar Shimla-2 Himachal Pradesh		
Type of Sample	Mancozeb 75% WP (Uthane M-45)		
Work Order No.	NIL		Dated 14/04/2016
Customer's Description of Sample	Mancozeb 75% WP (Uthane M-45)		
Quantity	500 gm		
Packing, Markings, Seal	Sample Packed in Polythene Bag & Sealed in Paper envelope		
Mode of Receipt of Sample	Courier		
Date of Receipt of Sample	15/04/2016	Batch No.	DN5SMZ0003
Period of Analysis	15/04/2016 To 18/04/2016	Date of Mfg.	05/04/2016
Date of Reporting	18/04/2016	Date of Expiry	04/04/2018
Visual Observation	N/A		
Testing Protocol	IS:8708-2006		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Discription	--	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 homogenous powder yellowish-to-yellowish green in colour Is shall wet readily on mixing with water providing a suspension suitable for spray.	IS:8708-2006
2	Material Passing through 45 micron IS: Sieve	%	99.6	min 99	IS:6940
3	Suspensibility	%	56.5	min 50	IS:6940
4	Wettability	seconds	17	max 120	IS:6940
5	Mancozeb Content	%	75.10	+5-3% of the nominal value (75)	IS:8707
6	Zinc Content of Mancozeb Content	%	2.55	min 2.5	IS:8707
7	Manganese content of Mancozeb	%	20.45	min 20	IS:8707

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

\*\*End of Report\*\*

For Idma Laboratories Limited

Authorized Signatory  
TM/I/II/III

Sh. Alok  
26/4  
2016  
SPP

JAS-ANZ



AN ISO 9001:2008



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Certificate No. : T-0187

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## TEST REPORT

183  
23/4/16

Ref. No. IL/D- 269	Date 18.4.16	Lab No. 150416L-PP-002	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Mancozeb 75% WP (Uthane M-45)		
Work Order No.	NIL	Dated	14/04/2016
Customer's Description of Sample	Mancozeb 75% WP (Uthane M-45)		
Quantity	500 gm		
Packing, Markings, Seal	Sample Packed in Polythene Bag & Sealed in Paper envelope		
Mode of Receipt of Sample	Courier		
Date of Receipt of Sample	15/04/2016	Batch No.	DN5SMZ0004
Period of Analysis	15/04/2016 To 18/04/2016	Date of Mfg.	05/04/2016
Date of Reporting	18/04/2016	Date of Expiry	04/04/2018
Visual Observation	N/A		
Testing Protocol	IS:8708-2006		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Discription	--	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 homogenous powder yellowish-to-yellowish green in colour Is shall wet readily on mixing with water providing a suspension suitable for spray.	IS:8708-2006
2	Material Passing through 45 micron IS: Sieve	%	99.7	min 99	IS:6940
3	Suspensibility	%	56.7	min 50	IS:6940
4	Wettability	seconds	19	max 120	IS:6940
5	Mancozeb Content	%	75.14	+5-3% of the nominal value (75)	IS:8707
6	Zinc Content of Mancozeb Content	%	2.51	min 2.5	IS:8707
7	Manganese content of Mancozeb	%	20.47	min 20	IS:8707

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

\*\*End of Report\*\*

For Idma Laboratories Limited

*Pal*  
Authorized Signatory  
TM/II/II/II

*Sr. Analyst  
20/4/16  
SPPU*

JAS-ANZ



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# 18

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Certificate No. : T-0187

## TEST REPORT

Ref. No. IL/D- 365	Date 18.4.16	Lab No. 150416L-PP-003	Page No. 1/1
Customer	Director of Horticulture Nav Bahar Shimla-2 Himachal Pradesh		
Type of Sample	Malathion 50% EC (Cythion)		
Work Order No.	NIL		Dated 14/04/2016
Customer's Description of Sample	Malathion 50% EC (Cythion)		
Quantity	250 ml		
Packing, Markings, Seal	Sample Packed in Tin Jar & Sealed in Paper envelope		
Mode of Receipt of Sample	Courier		
Date of Receipt of Sample	15/04/2016	Batch No.	R16011901
Period of Analysis	15/04/2016 To 18/04/2016	Date of Mfg.	19/01/2016
Date of Reporting	18/04/2016	Date of Expiry	18/07/2017
Visual Observation	N/A		
Testing Protocol	IS:2567-1978, R-2002		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Discription	--	Yellow colour clear stable & homogeneous liquid free from sediment & suspended matter. It form 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 10deg C (For 1 hrs)	--	No turbidity or sepration of solid or oily matter or both occured 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)	deg C	54	above 24.5	IS:1448 (P-20) 1998
4	Emulsion stability (of 100ml emulsion prepared with std.hard water & kept for 1 hours at 30+-1 deg C	ml	Creaming- Nil Sediment- Nil Total sepration- Nil	Any separation including Creaming and Sedimentation shall not exceed 2.0 ml	IS:6940 -1982
5	Malathion Content	%m/m	51.04	+5 % -3% of the nominal value (50)	IS:1832 -1978
6	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.04	Max 0.5	IS:6940 -1982

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

\*\*End of Report\*\*

For Idma Laboratories Limited

Authorized Signatory  
TM/I/II/III

Sh. Arvind  
27/4/16  
SPPM





## TEST REPORT

Ref. No. IL/D- 366	Date 18-4-16	Lab No. 150416L-PP-004	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Malathion 50% EC (Cythion)		
Work Order No.	NIL	Dated	14/04/2016
Customer's Description of Sample	Malathion 50% EC (Cythion)		
Quantity	250 ml		
Packing, Markings, Seal	Sample Packed in Tin Jar & Sealed in Paper envelope		
Mode of Receipt of Sample	Courier		
Date of Receipt of Sample	15/04/2016	Batch No.	R16022502 ✓
Period of Analysis	15/04/2016 To 18/04/2016	Date of Mfg.	25/02/2016 ✓
Date of Reporting	18/04/2016	Date of Expiry	24/08/2017 ✓
Visual Observation	N/A		
Testing Protocol	IS:2567-1978, R-2002		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Discription	--	Yellow colour clear stable & homogeneous liquid free from sediment & suspended matter. It form 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 10deg C (For 1 hrs)	--	No turbidity or sepration of solid or oily matter or both occured 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)	deg C	56	above 24.5	IS:1448 (P-20) 1998
4	Emulsion stability (of 100ml emulsion prepared with std.hard water & kept for 1 hours at 30+-1 deg C	ml	Creaming- Nil Sediment- Nil Tota sepration- Nil	Any separation including Creaming and Sedimentation shall not exceed 2.0 ml	IS:6940 -1982
5	Malathion Content	%m/m	51.57	+5 % -3% of the nominal value (50)	IS:1832 -1978
6	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.03	Max 0.5	IS:6940 -1982

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

\*\*End of Report\*\*

For Idma Laboratories Limited

Authorized Signatory  
TM/II/III



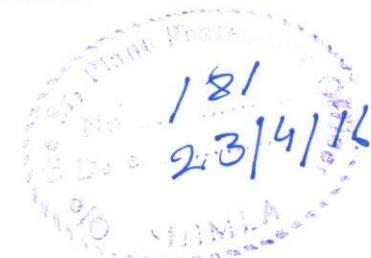
AN ISO 9001:2008





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## TEST CERTIFICATE

Issued to: Senior Plant Protection Officer,  
Himachal Pradesh,  
Shimla -2

Document QF:2501  
Page 1 of 2

Copy to: Dr. S.R. Sharma (SMS, Bio control)  
O/o Senior Plant Protection Officer  
Dept. Of Horticulture, Shimla (H.P.)

Report No.	:	F-08A1616
Dated	:	12.04.2016
Ref. No.	:	Letter
Dated	:	07.04.2016

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-8292, DOM: 21.03.2016
- e) Quantity : 1 x 500 gm
- f) Mode of Packing : Packed in a poly pack (original packing) & packed in LDPE bag.
- g) Date of Receipt : 08.04.2016  
*Sh. A. Solle*
- h) Seal : Intact  
*22/4/16*
- i) IO's Signature : Signed  
*22/4/16*  
*SPPU*
- j) Date of Start : 08.04.2016
- k) Date of Completion : 12.04.2016
- l) Any other information : Date of Expiry : 20.03.2018

### 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-08A1616**

Page 2 of 2  
Date: 12.04.2016

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	<b>Description:</b>	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	75.16
3.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.95
4.	Suspensibility (% by mass), Min	50.0	69.46
5.	Wettability, in seconds Max.	120	24
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.56
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	20.95

**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\*\***



**Note:**

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## TEST CERTIFICATE

Issued to: Senior Plant Protection Officer,  
 Himachal Pradesh,  
 Shimla -2

Copy to: Dr. S.R. Sharma (SMS, Bio control)  
 O/o Senior Plant Protection Officer  
 Deptt. Of Horticulture, Shimla (H.P.)

Document QF:2501  
 Page 1 of 2

Report No.	: F-08A1716
Dated	: 12.04.2016
Ref. No.	: Letter
Dated	: 07.04.2016

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-8293, DOM: 21.03.2016
- e) Quantity : 1 x 500 gm
- f) Mode of Packing : Packed in a poly pack (original packing) & packed in LDPE bag.
- g) Date of Receipt : 08.04.2016
- h) Seal : Intact
- i) IO's Signature : Signed
- j) Date of Start : 08.04.2016
- k) Date of Completion : 12.04.2016
- l) Any other information : Date of Expiry : 20.03.2018

### 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-08A1716**

Page 2 of 2  
Date: 12.04.2016

## PART C : TEST RESULTS

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

1.	<b>Description:</b> 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	75.11
3.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.91
4.	Suspensibility (% by mass), Min	50.0	68.44
5.	Wettability, in seconds Max.	120	27
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.59
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	20.86

**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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## TEST CERTIFICATE

Issued to: Senior Plant Protection Officer,  
Himachal Pradesh,  
Shimla -2

Copy to: Dr. S.R. Sharma (SMS, Bio control)  
O/o Senior Plant Protection Officer  
Dept. Of Horticulture, Shimla (H.P.)

Document QF:2501  
Page 1 of 2

Report No.	:	F-08A1816
Dated	:	12.04.2016
Ref. No.	:	Letter
Dated	:	07.04.2016

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-8294, DOM: 21.03.2016
- e) Quantity : 1 x 500 gm
- f) Mode of Packing : Packed in a poly pack (original packing) & packed in LDPE bag.
- g) Date of Receipt : 08.04.2016
- h) Seal : Intact
- i) IO's Signature : Signed
- j) Date of Start : 08.04.2016
- k) Date of Completion : 12.04.2016
- l) Any other information : Date of Expiry : 20.03.2018

### 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-08A1816**

Page 2 of 2

Date: 12.04.2016

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	<b>Description:</b> 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	99.89
4.	Suspensibility (% by mass), Min	50.0	69.49
5.	Wettability, in seconds Max.	120	22
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.64
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	20.88

**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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## TEST CERTIFICATE

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Himachal Pradesh,  
Shimla -2

Document QF:2501  
Page 1 of 2

**Copy to:** Dr. S.R. Sharma (SMS, Bio control)  
O/o Senior Plant Protection Officer  
Dept. Of Horticulture, Shimla (H.P.)

Report No.	: F-08A1916
Dated	: 12.04.2016
Ref. No.	: Letter
Dated	: 07.04.2016

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-8295, DOM: 21.03.2016
- e) Quantity : 1 x 500 gm
- f) Mode of Packing : Packed in a poly pack (original packing) & packed in LDPE bag.
- g) Date of Receipt : 08.04.2016
- h) Seal : Intact
- i) IO's Signature : Signed
- j) Date of Start : 08.04.2016
- k) Date of Completion : 12.04.2016
- l) Any other information  
Date of Expiry : 20.03.2018

### 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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ISO 9001:2008 &amp; 14001:2004

OHSAS 18001:2007

Certified Laboratory

Continuation Sheet of Report No. **F-08A1916**Page 2 of 2  
Date: 12.04.2016**PART C : TEST RESULTS**

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

1.	<b>Description:</b> 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	75.12
3.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.82
4.	Suspensibility (% by mass), Min	50.0	69.84
5.	Wettability, in seconds Max.	120	26
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.61
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	21.04

**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\*\*

Authorized Signatory



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## TEST CERTIFICATE

**Issued to:** Senior Plant Protection Officer,  
Himachal Pradesh,  
Shimla -2

**Copy to:** Dr. S.R. Sharma (SMS, Bio control)  
O/o Senior Plant Protection Officer  
Dept. Of Horticulture, Shimla (H.P.)

Document QF:2501  
Page 1 of 2

<b>Report No.</b>	: F-08A2016
<b>Dated</b>	: 12.04.2016
<b>Ref. No.</b>	: Letter
<b>Dated</b>	: 07.04.2016

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-8296, DOM: 21.03.2016
- e) Quantity : 1 x 500 gm
- f) Mode of Packing : Packed in a poly pack (original packing) & packed in LDPE bag.
- g) Date of Receipt : 08.04.2016
- h) Seal : Intact
- i) IO's Signature : Signed
- j) Date of Start : 08.04.2016
- k) Date of Completion : 12.04.2016
- l) Any other information  
Date of Expiry : 20.03.2018

### **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.





# 29

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Continuation Sheet of Report No. **F-08A2016**

Page 2 of 2  
 Date: 12.04.2016

## PART C : TEST RESULTS

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

1.	<b>Description:</b> 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	99.94
4.	Suspensibility (% by mass), Min	50.0	70.14
5.	Wettability, in seconds Max.	120	25
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.84
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	21.02

**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\*\*

Authorized Signatory



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## TEST CERTIFICATE

Issued to: Senior Plant Protection Officer,  
Himachal Pradesh,  
Shimla -2

Copy to: Dr. S.R. Sharma (SMS, Bio control)  
O/o Senior Plant Protection Officer  
Dept. Of Horticulture, Shimla (H.P.)

Document QF:2501  
Page 1 of 2

Report No.	:	F-08A2116
Dated	:	12.04.2016
Ref. No.	:	Letter
Dated	:	07.04.2016

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-8297, DOM: 21.03.2016
- e) Quantity : 1 x 500 gm
- f) Mode of Packing : Packed in a poly pack (original packing) & packed in LDPE bag.
- g) Date of Receipt : 08.04.2016
- h) Seal : Intact
- i) IO's Signature : Signed
- j) Date of Start : 08.04.2016
- k) Date of Completion : 12.04.2016
- l) Any other information  
Date of Expiry : 20.03.2018

### 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-08A2116**

Page 2 of 2  
Date: 12.04.2016

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	<b>Description:</b>	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	75.19
3.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.83
4.	Suspensibility (% by mass), Min	50.0	70.44
5.	Wettability, in seconds Max.	120	23
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.70
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	20.92

**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\*\***

Authorized Signatory

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## TEST CERTIFICATE

Issued to: Senior Plant Protection Officer,  
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Shimla -2

Document QF:2501  
Page 1 of 2

Copy to: Dr. S.R. Sharma (SMS, Bio control)  
O/o Senior Plant Protection Officer  
Dept. Of Horticulture, Shimla (H.P.)

Report No.	:	F-08A2216
Dated	:	12.04.2016
Ref. No.	:	Letter
Dated	:	07.04.2016

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-8298, DOM: 21.03.2016
- e) Quantity : 1 x 500 gm
- f) Mode of Packing : Packed in a poly pack (original packing) & packed in LDPE bag.
- g) Date of Receipt : 08.04.2016
- h) Seal : Intact
- i) IO's Signature : Signed
- j) Date of Start : 08.04.2016
- k) Date of Completion : 12.04.2016
- l) Any other information : Date of Expiry : 20.03.2018

### 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-08A2216**

Page 2 of 2  
 Date: 12.04.2016

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
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1.	<b>Description:</b> 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	75.23
3.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.94
4.	Suspensibility (% by mass), Min	50.0	70.34
5.	Wettability, in seconds Max.	120	20
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.57
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	20.94

**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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## TEST CERTIFICATE

Issued to: Senior Plant Protection Officer,  
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Shimla -2

Document QF:2501  
Page 1 of 2

Copy to: Dr. S.R. Sharma (SMS, Bio control)  
O/o Senior Plant Protection Officer  
Dept. Of Horticulture, Shimla (H.P.)

Report No.	:	F-08A2316
Dated	:	12.04.2016
Ref. No.	:	Letter
Dated	:	07.04.2016

Test Report as Per IS: 8708-2006

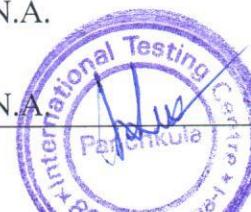
With Amendment No. (s) --

### 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-8299, DOM: 21.03.2016
- e) Quantity : 1 x 500 gm
- f) Mode of Packing : Packed in a poly pack (original packing) & packed in LDPE bag.
- g) Date of Receipt : 08.04.2016
- h) Seal : Intact
- i) IO's Signature : Signed
- j) Date of Start : 08.04.2016
- k) Date of Completion : 12.04.2016
- l) Any other information : Date of Expiry : 20.03.2018

### 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-08A2316

Page 2 of 2  
 Date: 12.04.2016

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	<b>Description:</b> 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	75.14
3.	Sieving requirement Material passing through 45 micron IS sieve (% by mass), Min.	99.0	99.96
4.	Suspensibility (% by mass), Min	50.0	70.94
5.	Wettability, in seconds Max.	120	26
6.	Zinc Content of Mancozeb content (% by mass), Min	2.5	2.77
7.	Manganese Content of Mancozeb content (% by mass), Min	20.0	21.06

**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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## TEST CERTIFICATE

Issued to: Senior Plant Protection Officer,  
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Shimla -2

Document QF:2501  
Page 1 of 2

Copy to: Dr. S.R. Sharma (SMS, Bio control)  
O/o Senior Plant Protection Officer  
Dept. Of Horticulture, Shimla (H.P.)

Report No.	: F-08A2416
Dated	: 12.04.2016
Ref. No.	: Letter
Dated	: 07.04.2016

Test Report as Per IS: 13785-1993

With Amendment No. (s) --

(Reaffirmed 2002)

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample	: DODINE 65% WP (NOOR)
b) Declared Values, if any	: 65%
c) Code No.	: --
d) Batch No. and date of manufacture	: DNR-129, DOM: 16.03.2016
e) Quantity	: 100 gm
f) Mode of Packing	: Packed in a poly pack (original packing) & packed in LDPE bag.
g) Date of Receipt	: 08.04.2016
h) Seal	: Intact
i) IO's Signature	: Signed
j) Date of Start	: 08.04.2016
k) Date of Completion	: 12.04.2016
l) Any other information Date of Expiry	: 15.03.2018

### 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-08A2416

Page 2 of 2  
Date: 12.04.2016

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of white homogeneous powder, free from extraneous impurities. It wets readily on mixing with water providing a suspension for suitable for spray.	
2.	Dodine content (% by mass)	65, +5%, -3% of the nominal value	65.26
3.	Sieving Requirement: Material passing through 75 micron IS sieve, (% by mass), Min.	99	99.81
4.	Suspensibility (% by mass), Min.	70	80.41
5.	Alkalinity (as NaOH) (% by mass), Max.	0.1	0.012
6.	Wettability, in seconds, Max.	120	26

**PART D : REMARKS:** The above submitted sample of Dodine 65% WP (Noor) Conforms to BIS Spec. No. IS: 13785-1993 with respect to the above tests.

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## TEST CERTIFICATE

Issued to: Senior Plant Protection Officer,  
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Document QF:2501  
 Page 1 of 2

Copy to: Dr. S.R. Sharma (SMS, Bio control)  
 O/o Senior Plant Protection Officer  
 Deptt. Of Horticulture, Shimla (H.P.)

Report No.	: F-08A2516
Dated	: 12.04.2016
Ref. No.	: Letter
Dated	: 07.04.2016

Test Report as Per IS: Party's Specification

With Amendment No. (s) --

### PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Nature of sample	: MYCLOBUTANIL 10% WP (BOON)
b) Declared Values, if any	: 10%
c) Code No.	: --
d) Batch No. and date of manufacture	: DON-219, <span style="margin-left: 20px;">DOM: 22.03.2016</span>
e) Quantity	: 100 gm
f) Mode of Packing	: Packed in a poly pack (original packing) & packed in LDPE bag.
g) Date of Receipt	: 08.04.2016
h) Seal	: Intact
i) IO's Signature	: Signed
j) Date of Start	: 08.04.2016
k) Date of Completion	: 12.04.2016
l) Any other information	
	Date of Expiry : 21.03.2018

### 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-08A2516

Page 2 of 2  
Date: 12.04.2016

## PART C : TEST RESULTS

S.No.	TEST/CL.REF.	SPECIFIED REQUIREMENTS	RESULTS
1.	Description:	The material is in the form of off white homogeneous powder, free from extraneous impurities. It wets readily on mixing with water providing a suspension for suitable for spray.	
2.	Myclobutanol content (% by mass)	10, $\pm 5\%$ of the nominal value	10.13
3.	Sieving Requirement: Material passing through 75 micron IS sieve, (% by mass), Min.	99	99.74
4.	Suspensibility (% by mass), Min.	70	86.44
5.	Alkalinity (as NaOH) (% by mass), Max.	0.1	0.019
6.	Wettability, in seconds, Max.	120	31

**PART D : REMARKS:** The above submitted sample of Myclobutanol 10 % WP (Boon) Conforms to  
Party's Specification with respect to the above tests.

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Continuation Sheet of Report No. : **F-05A0416**

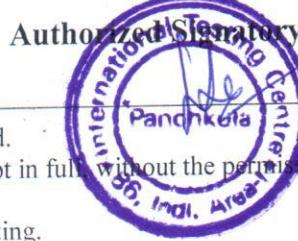
Dated: 08.04.2016

## 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	41.35
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	4.46
7.	Specific gravity	1.16 – 1.18	1.1664

**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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