



(2) Nos

# Idma Laboratories Limited

(A Government Approved Test House)

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

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18/5/17

## TEST REPORT

Ref. No. IL/D- 1229	Date 13.05.17	Lab No. 080517PP-NL-012	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Myclobutanil 10% W.P		
Work Order No.	NIL	Dated	05/05/2017
Customer's Description of Sample	Myclobutanil 10% W.P (GRAPPLE) ✓		
Quantity	100 gm		
Packing, Markings, Seal	Carton Box & Further Packed in paper envelope, Duly Sealed & Signed		
Mode of Receipt of Sample	Courier		
Date of Receipt of Sample	08/05/2017	Batch No.	FIL/GPE-080
Period of Analysis	09/05/2017 To 09/05/2017	Date of Mfg.	02/05/2017 ✓
Date of Reporting	10/05/2017	Date of Expiry	01/05/2019 ✓
Visual Observation	N/A		
Testing Protocol	As per product specifications		

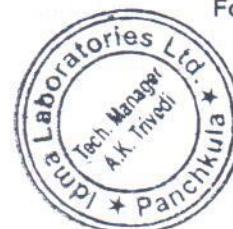
## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Discription	-	Off White; Homogeneous powder. No lumps were detected. It wets readily on mixing with water providing a suspension suitable for use as a spray.	-	-
2	Myclobutanil 10% W.P content ( % by mass)	%	09.88	±5	As per product specifications
3	Suspensibility % by mass		72.82	70 (min)	As per product specifications
4	Alkalinity ( as NaOH) % by mass	%	0.812	0.5 (min)	IS:6940-1982
5	Wettability	sec	46	120	IS:6940-1982

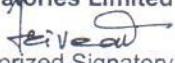
Opinion : The received sample of MYCLOBUTANIL 10% WP conforms to the product specifications w.r.t above tests.

\*\*End of Report\*\*

Sh. Ashish, H.P.  
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For Idma Laboratories Limited

  
Authorized Signatory

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## TEST REPORT

Ref. No. IL/D- 1230	Date 13.05.17	Lab No. 080517PP-NL-014	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Dodine 65% WP		
Work Order No.	NIL	Dated	05/05/2017
Customer's Description of Sample	Dodine 65% WP (SYLLIT)		
Quantity	100 gm		
Packing, Markings, Seal	Carton box & Further Packed in paper envelope, Duly Sealed & Signed		
Mode of Receipt of Sample	Courier		
Date of Receipt of Sample	08/05/2017	Batch No.	FIL/SLT-031
Period of Analysis	09/05/2017 To 09/05/2017	Date of Mfg.	02/05/2017 ✓
Date of Reporting	10/05/2017	Date of Expiry	01/05/2019 ✓
Visual Observation	N/A		
Testing Protocol	IS:13785-1993		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description	--	White; Homogeneous; free flowing powder. No extraneous matter is visible. It wets readily on mixing with water providing a suspension suitable for use as a 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:13785-1993
2	Dodine content	%m/m	64.66	+5-3 % of the nominal value (65)	IS:13785-1993
3	Sieving (Material Passing through 75 micron IS: Sieve	%m/m	99.62	Min 99.0	IS:6940-1982
4	Suspensibility	%m/m	72.44	Min 70.0	IS:6940-1982
5	Alkalinity (as NaOH)	%m/m	0.02	Max 0.1	IS:6940-1982
6	Wettability	seconds	70	Max 120	IS:6940-1982

Opinion : The received sample of DODINE 65% WP conforms to IS: 13785-1983 w.r.t. above tests.

\*\*End of Report\*\*

*D. Nehru, H.P.  
18/5/17  
S.M.O.*

For Idma Laboratories Limited

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Authorized Signatory



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## TEST REPORT

Ref. No. IL/D- 1220	Date 13.05.17	Lab No. 080517PP-NL-011	Page No. 1/2
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Fenazaquin10%EC		
Work Order No.	NIL	Dated	05/05/2017
Customer's Description of Sample	Fenazaquin10%EC (MAGISTER)		
Quantity	100 ml		
Packing, Markings, Seal	Sealed plastic Bottle & Further Packed in paper envelop, duly sealed & Signed		
Mode of Receipt of Sample	Courier		
Date of Receipt of Sample	08/05/2017	Batch No.	FIL/MJC-057 ✓
Period of Analysis	10/05/2017 To 11/05/2017	Date of Mfg.	02/05/2017 ✓
Date of Reporting	11/05/2017	Date of Expiry	01/05/2019 ✓
Visual Observation	N/A		
Testing Protocol	Product specification		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description  <i>Sh. Ashok 18/5/17 SP/10</i>		It is light brown; Homogeneous; clear sloution free from any foreign matter or sediments. When mixed with water, it provides an emulsion which is suitable for use as a spray.		
2	Cold test 10 degree C		No turbidity or separation of oily layer(at the top) or sediments(at the bottom) or both at the end of the tests.		
3	Emulsion stability (of 100 ml emulsion prepared with standard hard water)		Creaming-NIL; Sediments-NIL. Total		

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## TEST REPORT

Ref. No. IL/D- 1220		Date	13.05.17	Lab No.	080517PP-NL-011	Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method	
3			Separation-NIL.			
4	Fenazaquin Content	%	10.02			
5	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%	0.012			

Opinion : The received sample of Fenazaquin 10% EC conforms to the requirements of the product specifications.

\*\*End of Report\*\*

For Idma Laboratories Limited

*A. K. Trivedi*  
Authorized Signatory



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## TEST REPORT

Ref. No. IL/D-1217	Date	13.05.17	Lab No.	080517PP-NL-010	Page No. 1/2
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh				
Type of Sample	Fenazaquin 10%EC				
Work Order No.	NIL			Dated	05/05/2017
Customer's Description of Sample	Fenazaquin 10%EC (MAGISTER)				
Quantity	100 ml				
Packing, Markings, Seal	Sealed plastic Bottle & Further Packed in paper envelop, duly sealed & Signed				
Mode of Receipt of Sample	Courier				
Date of Receipt of Sample	08/05/2017			Batch No.	FI-210
Period of Analysis	10/05/2017 To 11/05/2017			Date of Mfg.	03/05/2017 ✓
Date of Reporting	11/05/2017			Date of Expiry	02/05/2019 ✓
Visual Observation	N/A				
Testing Protocol	Product specification				

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description  <i>Su. Ashw. H. B. H. B. 11/05/17 SIP</i>		It is light brown; Homogeneous; Clear solution free from any foreign matter or sediments etc. When mixed with water, it provide an emulsion suitable for use as a spray.		
2	Cold test 10 degree C		No turbidity or separation of creaming layer(at the top) or sediments(at the bottom) or both at the end of the tests.		
3	Emulsion stability (of 100 ml emulsion prepared with standard hard water)		Creaming-NIL; Sediments-NIL. Total		



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## TEST REPORT

Ref. No. IL/D- 1217	Date	13.05.17	Lab No.	080517PP-NL-010	Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method
3			Separation-NIL.		
4	Fenazaquin Content	%	09.94		
5	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%	0.016		

Opinion : The received sample of Fenazaquin 10% EC conforms to the requirements of the product Specifications.

\*\*End of Report\*\*



For Idma Laboratories Limited

*A.K. Trivedi*  
Authorized Signatory

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24-5-17

## TEST REPORT

Ref. No. IL/D-1421	Date 20-05-17	Lab No. 160517PP-NL-019	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Dodine 65% WP		
Work Order No.	NIL		
Customer's Description of Sample	Dodine 65% WP (Superstar 65 WP)		
Quantity	100 g		
Packing, Markings, Seal	Sample Packed in Polythene Pouch & Sealed in Paper envelope		
Mode of Receipt of Sample	By Hand		
Date of Receipt of Sample	16/05/2017	Batch No.	FIL/SSR-162 ✓
Period of Analysis	18/05/2017 To 18/05/2017	Date of Mfg.	05/05/2017 ✓
Date of Reporting	19/05/2017	Date of Expiry	04/05/2019 ✓
Visual Observation	N/A		
Testing Protocol	IS:13785-1993		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description	—	White; Homogeneous; free flowing powder. No extraneous matter detected. It wets readily on mixing with water providing a suspension suitable for use as a 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:13785-199 3
2	Dodine content	%m/m	64.72	+5-3 % of the nominal value (65)	IS:13785-199 3
3	Sieving (Material Passing through 75 micron IS: Sieve	%m/m	99.02	Min 99.0	IS:6940-1982
4	Suspensibility	%m/m	72.44	Min 70.0	IS:6940-1982
5	Alkalinity (as NaOH)	%m/m	0.08	Max 0.1	IS:6940-1982
6	Wettability	seconds	32	Max 120	IS:6940-1982

Opinion : The received sample of Dodine 65% WP conforms to IS: 13785-1993 with upto date ammendments w.r.t above tests.

\*\*End of Report\*\*

Sh. Ashok, H.F.O  
24-5-17  
P.M.  
d/o 24-05-17

For Idma Laboratories Limited

Authorized Signatory



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Certificate No. : T-0187

## TEST REPORT

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Ref. No. IL/D-1467	Date 23.05.17	Lab No. 200517L-PP-001	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Carbendazim 50% WP		
Work Order No.	NIL		
Customer's Description of Sample	Carbendazim 50% WP (Dhanustin)		
Quantity	100 gm		
Packing, Markings, Seal	Sample Packed in Aluminium Pouch & Sealed in Paper envelope		
Mode of Receipt of Sample	By Hand		
Date of Receipt of Sample	20/05/2017	Batch No.	KMQ-0003
Period of Analysis	20/05/2017 To 22/05/2017	Date of Mfg.	03/05/2017
Date of Reporting	22/05/2017	Date of Expiry	02/05/2019
Visual Observation	N/A		
Testing Protocol	IS:8446-1991 R-2012 Amdt.02		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description	--	White, Homogenous free flowing powder. it wets readily on mixing with water providing a suspension suitable for use as a spray.	The material shall be in the form of homogeneous powder. It shall wet readily on mixing with water providing a suspension suitable for spray.	IS:8446-1991
2	Carbendazim content	%m/m	49.72	+5% -3% of the nominal value (50)	IS:8446-1991
3	Sieving (Material passing through 75 micron IS Sieve	%m/m	99.48	Min 99.0	IS:6940-1982
4	Suspensibility	%m/m	63.34	Min 60.0	IS:6940-1982
5	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.024	Max 0.05	IS:6940-1982

Opinion : The received sample of Carbendazim 50% WP conforms to IS:8446-1991 with upto date amendments.

\*\*End of Report\*\*

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26/5/17

## TEST REPORT

Ref. No. IL/D- 1468	Date 23.05.17	Lab No. 200517L-PP-002	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Carbendazim 50% WP		
Work Order No.	NIL		
Customer's Description of Sample	Carbendazim 50% WP (Dhanustin)		
Quantity	100 gm		
Packing, Markings, Seal	Sample Packed in Aluminium Pouch & Sealed in Paper envelope		
Mode of Receipt of Sample	By Hand		
Date of Receipt of Sample	20/05/2017	Batch No.	KMQ-0004
Period of Analysis	20/05/2017 To 22/05/2017	Date of Mfg.	06/05/2017
Date of Reporting	22/05/2017	Date of Expiry	05/05/2019
Visual Observation	N/A		
Testing Protocol	IS:8446-1991 R-2012 Amdt.02		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description	--	White; Homogeneous; free flowing powder. It wets readily on mixing with water providing a suspension suitable for use as a spray.	The material shall be in the form of homogeneous powder. It shall wet readily on mixing with water providing a suspension suitable for spray.	IS:8446-1991
2	Carbendazim content	%m/m	49.66	+5% -3% of the nominal value (50)	IS:8446-1991
3	Sieving (Material passing through 75 micron IS Sieve	%m/m	99.36	Min 99.0	IS:6940-1982
4	Suspensibility	%m/m	62.82	Min 60.0	IS:6940-1982
5	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.016	Max 0.05	IS:6940-1982

Opinion : The received sample of Carbendazim 50% WP conforms to IS:8446-1991 with up to date amendments.

\*\*End of Report\*\*

For Idma Laboratories Limited

Authorized Signatory

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Certificate No. : T-0187

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## TEST REPORT

Ref. No. IL/D-1469	Date 23.05.17	Lab No. 200517L-PP-003	4269	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh			
Type of Sample	Carbendazim 50% WP			
Work Order No.	Nil		Dated	19/05/2017
Customer's Description of Sample	Carbendazim 50% WP (Dhanustin)			
Quantity	100 gm			
Packing, Markings, Seal	Sample Packed in Aluminium Pouch & Sealed in Paper envelope			
Mode of Receipt of Sample	By Hand			
Date of Receipt of Sample	20/05/2017	Batch No.	KMQ-0005	✓
Period of Analysis	20/05/2017 To 22/05/2017	Date of Mfg.	09/05/2017	
Date of Reporting	22/05/2017	Date of Expiry	08/05/2019	
Visual Observation	N/A			
Testing Protocol	IS:8446-1991 R-2012 Amdt.02			

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description	--	White; Homogeneous; free flowing powder. It wets readily on mixing with water providing a suspension suitable for use as a spray.	The material shall be in the form of homogeneous powder. It shall wet readily on mixing with water providing a suspension suitable for spray.	IS:8446-1991
2	Carbendazim content	%m/m	49.06	+5% -3% of the nominal value (50)	IS:8446-1991
3	Sieving (Material passing through 75 micron IS Sieve	%m/m	99.44	Min 99.0	IS:6940-1982
4	Suspensibility	%m/m	62.84	Min 60.0	IS:6940-1982
5	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.018	Max 0.05	IS:6940-1982

Opinion : The received sample of Carbendazim 50% WP conforms to IS:8446-1991 with up to date amendments.

\*\*End of Report\*\*



For Idma Laboratories Limited

Authorized Signatory  
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## TEST REPORT

Ref. No. IL/D- 1501	Date 23.05.17	Lab No. 200517L-PP-004	427	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh			
Type of Sample	Mancozeb 75% WP			
Work Order No.	NIL			
Customer's Description of Sample	Mancozeb 75% WP (Uthane M-45)			
Quantity	500 gm			
Packing, Markings, Seal	Sample Packed i Aluminium Pouch & Sealed in Cloth Bag			
Mode of Receipt of Sample	By Hand			
Date of Receipt of Sample	20/05/2017	Batch No.	E01SMZ0001	
Period of Analysis	20/05/2017 To 22/05/2017	Date of Mfg.	08/05/2017	
Date of Reporting	22/05/2017	Date of Expiry	07/05/2019	
Visual Observation	N/A			
Testing Protocol	IS:8708-2006			

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description	--	Yellow (Green tinge) ;Homogeneous powder. It wets readily on mixing with water providing a suspension suitable for use as a 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	%	99.28	min 99	IS:6940
3	Suspensibility	%	52.86	min 50	IS:6940
4	Wettability	seconds	38	max 120	IS:6940
5	Mancozeb Content	%	74.66	+5-3% of the nominal value (75)	IS:8707
6	Zinc Content of Mancozeb Content	%	2.56	min 2.5	IS:8707
7	Manganese content of Mancozeb	%	20.52	min 20	IS:8707

Opinion : The received sample of Mancozeb 75% WP conforms to IS:8708-2006 w.r.t the above tests.

\*\*End of Report\*\*

*Abul H. A.  
Rajput  
26/5/17  
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For Idma Laboratories Limited  
*Trivedi*

Authorized Signatory  
TM/II/III



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## TEST REPORT

Ref. No. IL/D- 1502	Date 23.05.17	Lab No. 200517L-PP-005	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Mancozeb 75% WP		
Work Order No.	NIL		
Customer's Description of Sample	Mancozeb 75% WP (Uthane M-45)		
Quantity	500 gm		
Packing, Markings, Seal	Sample Packed i Aluminium Pouch & Sealed in Cloth Bag		
Mode of Receipt of Sample	By Hand		
Date of Receipt of Sample	20/05/2017	Batch No.	E01SMZ0002 ✓
Period of Analysis	20/05/2017 To 22/05/2017	Date of Mfg.	08/05/2017 ✓
Date of Reporting	22/05/2017	Date of Expiry	07/05/2019 ✓
Visual Observation	N/A		
Testing Protocol	IS:8708-2006		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Discription	--	Yellow(Green tinge) ;Homogeneous powder. It wets readily on mixing with water providing a suspension suitable for use as a 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	%	99.18	min 99	IS:6940
3	Suspensibility	%	52.08	min 50	IS:6940
4	Wettability	seconds	44	max 120	IS:6940
5	Mancozeb Content	%	74.38	+5-3% of the nominal value (75)	IS:8707
6	Zinc Content of Mancozeb Content	%	2.58	min 2.5	IS:8707
7	Manganese content of Mancozeb	%	20.42	min 20	IS:8707

Opinion : The received sample of Mancozeb 75% WP conforms to IS:8708-2006 w.r.t. above tests.

\*\*End of Report\*\*



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## TEST REPORT

Ref. No. IL/D-1503	Date 23-05-17	Lab No. 200517L-PP-006	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Mancozeb 75% WP		
Work Order No.	NIL		Dated 17/05/2017
Customer's Description of Sample	Mancozeb 75% WP (Uthane M-45)		
Quantity	500 gm		
Packing, Markings, Seal	Sample Packed i Aluminium Pouch & Sealed in Cloth Bag		
Mode of Receipt of Sample	By Hand		
Date of Receipt of Sample	20/05/2017	Batch No.	E01SMZ0003 ✓
Period of Analysis	20/05/2017 To 22/05/2017	Date of Mfg.	08/05/2017
Date of Reporting	22/05/2017	Date of Expiry	07/05/2019
Visual Observation	N/A		
Testing Protocol	IS:8708-2006		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Discription	--	Yellow(Green tinge) ;Homogeneous powder. It wets readily on mixing with water providing a suspension suitable for use as a spray. Yellow(Gre	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	%	99.26	min 99	IS:6940
3	Suspensibility	%	53.12	min 50	IS:6940
4	Wettability	seconds	32	max 120	IS:6940
5	Mancozeb Content	%	74.82	+5-3% of the nominal value (75)	IS:8707
6	Zinc Content of Mancozeb Content	%	2.56	min 2.5	IS:8707
7	Manganese content of Mancozeb	%	20.16	min 20	IS:8707

Opinion : The received sample of Mancozeb 75% WP conforms to IS:8708-2006 w.r.t. above tests.

\*\*End of Report\*\*

For Idma Laboratories Limited

*Jas-Anz*

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## TEST REPORT

Ref. No. ILD- 1504	Date 23.05.17	Lab No. 200517L-PP-007	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Mancozeb 75% WP		
Work Order No.	NIL		
Customer's Description of Sample	Mancozeb 75% WP (Uthane M-45)		
Quantity	500 gm		
Packing, Markings, Seal	Sample Packed in Aluminium Pouch & Sealed in Cloth Bag		
Mode of Receipt of Sample	By Hand		
Date of Receipt of Sample	20/05/2017	Batch No.	E01SMZ0004 ✓
Period of Analysis	23/05/2017 To 23/05/2017	Date of Mfg.	09/05/2017
Date of Reporting	23/05/2017	Date of Expiry	08/05/2019
Visual Observation	N/A		
Testing Protocol	IS:8708-2006		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description	--	Yellow(Greenish Tinge), Homogeneous powder. It wets readily on mixing with water providing a suspension suitable for use as a 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	%	99.22	min 99	IS:6940
3	Suspensibility	%	52.88	min 50	IS:6940
4	Wettability	seconds	38	max 120	IS:6940
5	Mancozeb Content	%	74.52	+5-3% of the nominal value (75)	IS:8707
6	Zinc Content of Mancozeb Content	%	02.52	min 2.5	IS:8707
7	Manganese content of Mancozeb	%	20.26	min 20	IS:8707

Opinion : The received sample of Mancozeb 75% WP conforms to IS:8708-2006 w.r.t. above tests.

\*\*End of Report\*\*



For Idma Laboratories Limited

*Surveal*

Authorized Signatory  
TM/I/II/III

JAS-ANZ





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Certificate No. : T-0187

## TEST REPORT

Ref. No. IL/D-1505	Date 23/05/17	Lab No. 200517L-PP-008	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Mancozeb 75% WP		
Work Order No.	Nil	Dated	19/05/2017
Customer's Description of Sample	Mancozeb 75% WP (Uthane M-45)		
Quantity	500 gm		
Packing, Markings, Seal	Sample Packed in Aluminium Pouch & Sealed in Cloth Bag		
Mode of Receipt of Sample	By Hand		
Date of Receipt of Sample	20/05/2017	Batch No.	E01SMZ0005
Period of Analysis	23/05/2017 To 23/05/2017	Date of Mfg.	10/05/2017
Date of Reporting	23/05/2017	Date of Expiry	09/05/2019
Visual Observation	N/A		
Testing Protocol	IS:8708-2006		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Discription	--	Yellow(Greenish Tinge), Homogeneous powder. It wets readily on mixing with water providind a suspension suitable for use as a 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	%	99.1	min 99	IS:6940
3	Suspensibility	%	51.96	min 50	IS:6940
4	Wettability	seconds	41	max 120	IS:6940
5	Mancozeb Content	%	74.13	+5-3% of the nominal value (75)	IS:8707
6	Zinc Content of Mancozeb Content	%	02.55	min 2.5	IS:8707
7	Manganese content of Mancozeb	%	20.42	min 20	IS:8707

Opinion : The received sample of Mancozeb 75% WP conforms to IS:8708-2006 w.r.t. above tests.

\*\*End of Report\*\*

For Idma Laboratories Limited

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Certificate No. : T-0187

## TEST REPORT

Ref. No. IL/D-1506	Date 23-05-17	Lab No. 200517L-PP-009	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Mancozeb 75% WP		
Work Order No.	NIL		
Customer's Description of Sample	Mancozeb 75% WP (Uthane M-45)		
Quantity	500 gm		
Packing, Markings, Seal	Sample Packed in Aluminium Pouch & Sealed in Cloth Bag		
Mode of Receipt of Sample	By Hand		
Date of Receipt of Sample	20/05/2017	Batch No. E01SMZ0006	
Period of Analysis	23/05/2017 To 23/05/2017	Date of Mfg. 11/05/2017	
Date of Reporting	23/05/2017	Date of Expiry 10/05/2019	
Visual Observation	N/A		
Testing Protocol	IS:8708-2006		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Discription	--	Yellow(Greenish Tinge), Homogeneous powder. It wets readily with water providing a suspension suitable for use as a 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	%	99.28	min 99	IS:6940
3	Suspensibility	%	53.04	min 50	IS:6940
4	Wettability	seconds	38	max 120	IS:6940
5	Mancozeb Content	%	74.92	+5-3% of the nominal value (75)	IS:8707
6	Zinc Content of Mancozeb Content	%	02.52	min 2.5	IS:8707
7	Manganese content of Mancozeb	%	20.92	min 20	IS:8707

Opinion : The received sample of Mancozeb 75% WP conforms to IS:8708-2006 w.r.t. above tests.

\*\*End of Report\*\*



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Certificate No. : T-0187

## TEST REPORT

Ref. No. ILD- 1507	Date 23.05.17	Lab No. 200517L-PP-010	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Mancozeb 75% WP		
Work Order No.	NIL		
Customer's Description of Sample	Mancozeb 75% WP (Uthane M-45)	Dated	19/05/2017
Quantity	500 gm		
Packing, Markings, Seal	Sample Packed in Aluminium Pouch & Sealed in Cloth Bag		
Mode of Receipt of Sample	By Hand		
Date of Receipt of Sample	20/05/2017	Batch No.	E01SMZ0007
Period of Analysis	23/05/2017 To 23/05/2017	Date of Mfg.	12/05/2017
Date of Reporting	23/05/2017	Date of Expiry	11/05/2019
Visual Observation	N/A		
Testing Protocol	IS:8708-2006		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Discription	--	Yellow(Greenish Tinge) homogeneous powder. It wets readily with water providing a suspension suitable for use as a 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	%	99.12	min 99	IS:6940
3	Suspensibility	%	52.98	min 50	IS:6940
4	Wettability	seconds	41	max 120	IS:6940
5	Mancozeb Content	%	74.38	+5-3% of the nominal value (75)	IS:8707
6	Zinc Content of Mancozeb Content	%	02.62	min 2.5	IS:8707
7	Manganese content of Mancozeb	%	20.22	min 20	IS:8707

Opinion : The received sample of Mancozeb 75% WP conforms to IS:8708-2006 w.r.t. above tests.

\*\*End of Report\*\*



For Idma Laboratories Limited

*Devend*  
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## TEST REPORT

Ref. No. IL/D- 1498	Date 23.05.17	Lab No. 190517PP-NL-003	428	Page No. 1/2
Customer	Director of Horticulture Nav Bahar Shimla-2 Himachal Pradesh			
Type of Sample	Hexythiazox 5.45%E.C			
Work Order No.	NIL			
Customer's Description of Sample	Hexythiazox 5.45%E.C (MAIDEN)			
Quantity	100 ml			
Packing, Markings, Seal	Sample Packed in Plastic Bottle & Sealed in Paper envelope			
Mode of Receipt of Sample	Courier			
Date of Receipt of Sample	19/05/2017		Batch No.	JMX17LD018
Period of Analysis	20/05/2017 To 20/05/2017		Date of Mfg.	04/2017
Date of Reporting	20/05/2017		Date of Expiry	03/2019
Visual Observation	N/A			
Testing Protocol	Product Specification			

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description	—	Light yellowish clear homogeneous liquid. It forms an emulsion on mixing with water suitable for use as a 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 deg C (for 1 hrs)	deg C	No turbidity or separation of oily layer (at the top) or sediment (at the bottom) 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)	deg C	46	Above 24.5	IS:1448 (P-20)
4	Emulsion on stability 1 of 100ml emulsion prepared with std hard water kept for 1 hrs	ml	Creaming - NIL, sediments- NIL, Total	Any Separation including creaming and sediment shall	IS:6940-1982

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## TEST REPORT

Ref. No. ILD- 1498		Date 23.05.17	Lab No. 190517PP-NL-003	Page No. 2/2	
S.No.	Test Parameter	Units	Results	Specifications	Test Method
4	at 30+1-1 deg C		separation- NIL.	not exceed 2.0ml	
5	Hexythiazox Content	%m/m	5.428	+10-5% of the nominal value (5.45)	I.H.M
6	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.028	Max 0.5	IS:6940-1982

Opinion : The sample Hexythiazox 5.45% EC conforms to the products specifications.

\*\*End of Report\*\*

For Idma Laboratories Limited

*Seveal*  
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## TEST REPORT

Ref. No. IL/D-1499	Date 23-05-17	Lab No. 190517PP-NL-004	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Thiophanate Methyl 70% WP		
Work Order No.	NIL	Dated	18/05/2017
Customer's Description of Sample	Thiophanate Methyl 70% WP (ROKO)		
Quantity	100 gm		
Packing, Markings, Seal	Sample Packed in Polythene Pouch & Sealed in Paper Envelope		
Mode of Receipt of Sample	Courier		
Date of Receipt of Sample	19/05/2017	Batch No.	JR017PE035 ✓
Period of Analysis	20/05/2017 To 20/05/2017	Date of Mfg.	05/2017
Date of Reporting	20/05/2017	Date of Expiry	04/2019
Visual Observation	N/A		
Testing Protocol	IS:14552-1998		

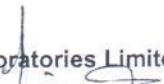
## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description	--	White coloured, free flowing, homogeneous powder. It does not have extraneous matter. It wets readily on mixing with water providing a suspension suitable for use as a 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	69.44	+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
4	Suspensibility	%m/m	53.6	Min 50.0	IS:6940-1982
5	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.036	Max 0.20	IS:6940-1982
6	Wettability	seconds	25	Max 120	IS:6940-1982

Opinion : The sample of Thiophanate Methyl 70% WP conforms to IS:14552-1998.

\*\*End of Report\*\*

For Idma Laboratories Limited

  
Authorized Signatory



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## TEST REPORT

Ref. No. IL/D-1532	Date 25.05.17	Lab No. 220517PP-NL-010	26/5/17	Page No. 1/1		
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh					
Type of Sample	Propineb 70% W.P					
Work Order No.	NIL					
Customer's Description of Sample	Propineb 70% W.P (ANTRACOL)					
Quantity	500 gm					
Packing, Markings, Seal	Sample Packed in Aluminium Pouch & Sealed in Cartoon Box					
Mode of Receipt of Sample	Courier					
Date of Receipt of Sample	22/05/2017	Batch No.		ANTSA7040 ✓		
Period of Analysis	24/05/2017 To 24/05/2017	Date of Mfg.		04/05/2017		
Date of Reporting	24/05/2017	Date of Expiry		03/05/2019		
Visual Observation	N/A					
Testing Protocol	Product Specification					

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description	--	Off white Homogeneous, free flowing powder. When mixed with water, it provides suspension suitable for use as a 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)	I.H.M
3	Sieving (material passing through 75 micron IS:sieve)	%m/m	99.5	Min 98	IS:6940-1982
4	Suspensibility	%m/m	80.12	Min 70	IS:6940-1982
5	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.024	Max 0.5	IS:6940-1982
6	Wettability	Second	12	Max 120	IS:6940-1982

Opinion : The received sample of Propineb 70% WP conforms to the product specifications w.r.t. above tests.

\*\*End of Report\*\*

*Dr. Ashok, HFC  
26/5/17  
SPC*



For Idma Laboratories Limited

*AK. Tareen*  
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## TEST REPORT

Ref. No. IL/D-1533	Date 25.05.17	Lab No. 220517PP-NL-011	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Propineb 70% W.P		
Work Order No.	NIL		
Customer's Description of Sample	Propineb 70% W.P (ANTRACOL)		
Quantity	500 gm		
Packing, Markings, Seal	Sample Packed in Aluminium Pouch & Sealed in Cartoon Box		
Mode of Receipt of Sample	Courier		
Date of Receipt of Sample	22/05/2017	Batch No.	ANTS A7041 ✓
Period of Analysis	23/05/2017 To 24/05/2017	Date of Mfg.	05/05/2017
Date of Reporting	24/05/2017	Date of Expiry	04/05/2019
Visual Observation	N/A		
Testing Protocol	Product Specification		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description	--	Off white Homogeneous, free flowing powder. When mixed with water, it provides suspension suitable for use as a 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	70.22	+5-3% of the Nominal value(70)	I.H.M
3	Sieving (material passing through 75 micron IS:sieve)	%m/m	99.46	Min 98	IS:6940-1982
4	Suspensibility	%m/m	80.16	Min 70	IS:6940-1982
5	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.018	Max 0.5	IS:6940-1982
6	Wettability	Second	11	Max 120	IS:6940-1982

Opinion : The received sample of Propineb 70% WP conforms to the product specifications w.r.t. above tests.  
\*\*End of Report\*\*

For Idma Laboratories Limited

*[Signature]*  
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## TEST REPORT

Ref. No. IL/D-1534	Date 25.05.17	Lab No. 220517PP-NL-012	Page No. 1/1
Customer	Director of Horticulture Nav Bahar Shimla-2 Himachal Pradesh		
Type of Sample	Propineb 70% W.P		
Work Order No.	NIL	Dated	20/05/2017
Customer's Description of Sample	Propineb 70% W.P (ANTRACOL)		
Quantity	500 gm		
Packing, Markings, Seal	Sample Packed in Aluminium Pouch & Sealed in Cartoon Box		
Mode of Receipt of Sample	Courier		
Date of Receipt of Sample	22/05/2017	Batch No.	ANTSA7042
Period of Analysis	23/05/2017 To 24/05/2017	Date of Mfg.	06/05/2017
Date of Reporting	24/05/2017	Date of Expiry	05/05/2019
Visual Observation	N/A		
Testing Protocol	Product Specification		

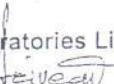
## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description	--	Off white Homogeneous, free flowing powder. When mixed with water, it provides suspension suitable for use as a 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	69.96	+5-3% of the Nominal value(70)	I.H.M
3	Sieving (material passing through 75 micron IS:sieve)	%m/m	99.6	Min 98	IS:6940-1982
4	Suspensibility	%m/m	81.10	Min 70	IS:6940-1982
5	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.026	Max 0.5	IS:6940-1982
6	Wettability	Second	12	Max 120	IS:6940-1982

Opinion : The received sample of Propineb 70% WP conforms to the product specifications w.r.t. above tests.

\*\*End of Report\*\*

For Idma Laboratories Limited

  
Authorized Signatory





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30/5/17

## TEST REPORT

Ref. No. ILD-1532	Date 25.05.17	Lab No. 220517PP-NL-010	Page No. 1/1
Customer	Director of Horticulture Nav Bhar Shimla-2 Himachal Pradesh		
Type of Sample	Propineb 70% W.P		
Work Order No.	NIL	Dated	20/05/2017
Customer's Description of Sample	Propineb 70% W.P (ANTRACOL)		
Quantity	500 gm		
Packing, Markings, Seal	Sample Packed in Aluminium Pouch & Sealed in Cartoon Box		
Mode of Receipt of Sample	Courier		
Date of Receipt of Sample	22/05/2017	Batch No.	ANTSA7040
Period of Analysis	24/05/2017 To 24/05/2017	Date of Mfg.	04/05/2017
Date of Reporting	24/05/2017	Date of Expiry	03/05/2019
Visual Observation	N/A		
Testing Protocol	Product Specification		

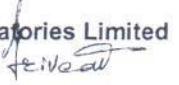
## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description	—	Off white Homogeneous, free flowing powder. When mixed with water, it provides suspension suitable for use as a 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)	I.H.M
3	Sieving (material passing through 75 micron IS:sieve)	%m/m	99.5	Min 98	IS:6940-1982
4	Suspensibility	%m/m	80.12	Min 70	IS:6940-1982
5	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.024	Max 0.5	IS:6940-1982
6	Wettability	Second	12	Max 120	IS:6940-1982

Opinion : The received sample of Propineb 70% WP conforms to the product specifications w.r.t. above tests.

\*\*End of Report\*\*

For Idma Laboratories Limited

  
Authorized Signatory



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494  
30/5/17  
HIMACHAL

## TEST REPORT

Ref. No. IL/D- 1533	Date 25-05-17	Lab No. 220517PP-NL-011	Page No. 1/1
Customer	Director of Horticulture Nav Bahar Shimla-2 Himachal Pradesh		
Type of Sample	Propineb 70% W.P		
Work Order No.	NIL		
Customer's Description of Sample	Propineb 70% W.P (ANTRACOL)		
Quantity	500 gm		
Packing, Markings, Seal	Sample Packed in Aluminium Pouch & Sealed in Cartoon Box		
Mode of Receipt of Sample	Courier		
Date of Receipt of Sample	22/05/2017	Batch No.	ANTSA7041
Period of Analysis	23/05/2017 To 24/05/2017	Date of Mfg.	05/05/2017
Date of Reporting	24/05/2017	Date of Expiry	04/05/2019
Visual Observation	N/A		
Testing Protocol	Product Specification		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description	--	Off white Homogeneous, free flowing powder. When mixed with water, it provides suspension suitable for use as a 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	70.22	+5-3% of the Nominal value(70)	I.H.M
3	Sieving (material passing through 75 micron IS:sieve)	%m/m	99.46	Min 98	IS:6940-1982
4	Suspensibility	%m/m	80.16	Min 70	IS:6940-1982
5	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.018	Max 0.5	IS:6940-1982
6	Wettability	Second	11	Max 120	IS:6940-1982

Opinion : The received sample of Propineb 70% WP conforms to the product specifications w.r.t. above tests.

\*\*End of Report\*\*

For Idma Laboratories Limited

*A.K. Trivedi*  
Authorized Signatory





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30/5/17

## TEST REPORT

Ref. No. IL/D/534	Date 25-05-17	Lab No. 220517PP-NL-012	Page No. 1/1			
Customer	Director of Horticulture Nav Bahar Shimla-2 Himachal Pradesh					
Type of Sample	Propineb 70% W.P					
Work Order No.	NIL					
Customer's Description of Sample	Propineb 70% W.P (ANTRACOL)					
Quantity	500 gm					
Packing, Markings, Seal	Sample Packed in Aluminium Pouch & Sealed in Cartoon Box					
Mode of Receipt of Sample	Courier					
Date of Receipt of Sample	22/05/2017	Batch No.	ANTSA7042			
Period of Analysis	23/05/2017 To 24/05/2017	Date of Mfg.	06/05/2017			
Date of Reporting	24/05/2017	Date of Expiry	05/05/2019			
Visual Observation	N/A					
Testing Protocol	Product Specification					

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description	--	Off white Homogeneous, free flowing powder. When mixed with water, it provides suspension suitable for use as a 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	69.96	+5-3% of the Nominal value(70)	I.H.M
3	Sieving (material passing through 75 micron IS:sieve)	%m/m	99.6	Min 98	IS:6940-1982
4	Suspensibility	%m/m	81.10	Min 70	IS:6940-1982
5	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	%m/m	0.026	Max 0.5	IS:6940-1982
6	Wettability	Second	12	Max 120	IS:6940-1982

Opinion : The received sample of Propineb 70% WP conforms to the product specifications w.r.t. above tests.

\*\*End of Report\*\*

For Idma Laboratories Limited

*Rehman*  
Authorized Signatory

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## TEST REPORT

Ref. No. IL/D-1546	Date 25.05.17	Lab No. 200517PP-NL-001	Page No. 1/1
Customer	Director of Horticulture Nav Bahar Shimla-2 Himachal Pradesh		
Type of Sample	Hexaconazole 5% EC		
Work Order No	NIL	Dated	19/05/2017
Customer's Description of Sample	Hexaconazole 5% EC (CONTAF)		
Quantity	100 ml		
Packing, Markings, Seal	Sample Packed in Aluminium Bottle & Sealed in Paper envelope		
Mode of Receipt of Sample	By Hand		
Date of Receipt of Sample	20/05/2017	Batch No.	AK02633
Period of Analysis	22/05/2017 To 23/05/2017	Date of Mfg.	09/05/2017
Date of Reporting	23/05/2017	Date of Expiry	08/05/2019
Visual Observation	N/A		
Testing Protocol	IS:14550-1998		

## RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	Description	-	Colourless; clear; stable; Homogeneous liquid free from sediments and suspended matter. It readily forms an emulsion on dilution with water which is suitable for use as a spray.	The material shall be a clear, stable homogeneous liquid. It shall be free from sediment and suspended matter. on dilution with water .it shall readily form an emulsion, suitable for use as spray.	IS:14550-1998
2	Cold test at 10 Deg.c (For 1 hours)	Deg.c	No turbidity or separation of oily layer(at the top) or sediments(at the bottom) or both at the end of the test.	No turbidity or sepration of solid or oily matter or both shall occur at the end of the test.	IS:6940-1982
3	Flash point (Abel)	Deg.c	42	Above 24.5	IS:1448(P-2)
4	Hexaconazole content	%m/m	04.96	+10-5% of the nominal value(5)	IS:14549-1998
5	Acidity (as h <sub>2</sub> so <sub>4</sub> )	%m/m	0.032	Max.0.5	IS:6940-1982

Opinion : The received sample of Hexaconazole 5% EC conforms to IS:4550-1998 w.r.t. above tests.

\*\*End of Report\*\*

40.05.17 HBD  
Hort  
30/5/17  
2m  
SPPS



For Idma Laboratories Limited

Authorised Signatory

JAS-ANZ