

Laboratory **DEV RESEARCH CENTRE (A Division of Sulphur Mills Limited),
Plot No. D-188, Shirvane MIDC, Nerul, Navi Mumbai, Maharashtra**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-7314 (in lieu of T-3725)**

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Last Amended on **28.05.2018**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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CHEMICAL TESTING

I.	PESTICIDES			
A.	Synthetic pesticides and their formulations			
a.	Fungicides			
1.	Hexaconazole technical	Active ingredient	Annex A of IS 14549: 1998 (RA 2003)	70 % to 100 %
		Moisture content	Clause No. 4.1 of IS 6940: 1982	0.01 % to 10 %
		Acidity/alkalinity	Clause No. 11.3.2 of IS 6940: 1982	0.01 % to 5 %
		Material insoluble in acetone	Clause No. 9.1 of IS 6940: 1982	0 to 5 %
2.	Hexaconazole EC	Active ingredient	IS 14550: 1998 (RA 2003)	1 % to 60 %
		Acidity/alkalinity	Clause No. 13.5 of IS 6940: 1982	0.01 % to 5 %
		Flash point	IS 1448[P : 20]: 1998 (RA 2004)	Ambient to 70°C
		Emulsion stability	Clause No. 13.3 of IS : 6940-1982	0 to 20ml
3.	Hexaconazole SC	Active ingredient	Annex E of IS 15692:2006 (RA 2012)	1 % to 60 %
		Acidity/alkalinity	Clause No. 13.5 of IS 6940: 1982	0.01 % to 5 %
		Pourability	Annex A of IS 15692:2006 (RA 2012)	0.1 % to 10 %
		Spontaneity of dispersion	Annex B of IS 15692:2006 (RA 2012)	5 % to 95 %
		Suspensibility	Annex C of IS 15692:2006 (RA 2012)	5 % to 95 %
		Wet sieve test	Clause No. 11.1 of IS 6940: 1982	0 to 5 %

**Battal Singh
Convenor**

**N. Venkateswaran
Program Director**

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		Persistent Foam	Annex D of IS 15692:2006 (RA 2012)	0 to 100 ml
4.	Mancozeb WG	Active ingredient	IS 8707:2013	10 % to 85 %
		Suspensibility	MT 184, CIPAC K, p. 142, 2003	20 % to 95 %
		Persistent Foam	MT 47.2, CIPAC F, p. 152, 1995	0 to 100 ml
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
		Wet Sieve test	MT 185, CIPAC K, p. 149, 2003	0 to 5 %
		Wettability	MT 53.3, CIPAC F, p. 164, 1995	1 sec to 600 sec
5.	Propiconazole technical	Active ingredient	DRC/SOP/PRCT/77, Issue No. 01, Issue Date 01.02.2016	70 % to 100 %
		Moisture content	Clause No. 4 of IS : 6940-1982	0.01 % to 10 %
		Acidity	Clause no. 11.3.2 of IS: 6940-1982	0.01 % to 5 %
6.	Propiconazole EC	Active ingredient	DRC/SOP/PRCEC/155, Issue No. 01, Issue Date 01.02.2016	1 % to 60 %
		pH range	MT 75.2, CIPAC F, p.206, 1995	1 to 14
		Acidity	Clause No. 13.5 of IS: 6940-1982	0.01 % to 5 %
		Emulsion stability	Clause No. 13.3 of IS : 6940-1982	0 to 20 ml
		Flash point	IS 1448[P : 20]: 1998 (RA 2004)	Ambient to 70°C
7.	Propiconazole CS	Active ingredient	DRC/SOP/PRCCS/126, Issue No. 01, Issue Date 01.02.2016	1 % to 60 %

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		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
		Wet Sieve test	MT 185, CIPAC K, p.149, 2003	0 to 5 %
		Suspensibility	MT 161, CIPAC F, p.394, 1995	20 % to 95 %
		Persistent Foam	MT 47.2, CIPAC F, p. 152, 1995	0 to 100 ml
		Spontaneity of dispersion	MT 160, CIPAC F, p. 391, 1995	20 % to 99 %
		Pourability	MT 148, CIPAC F, p.348, 1995	0.1 % to 10 %
8.	Sulphur Technical	Active ingredient	IS 3383:1982	70 % to 100 %
		Moisture content	Clause 4.1 of IS 6940: 1982	0.01 % to 10 %
9.	Sulphur WG	Active ingredient	IS 3383:1982	1 % to 99 %
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
		Wet Sieve test	MT 185, CIPAC K, p. 149, 2003	0 to 5 %
		Suspensibility	MT 184, CIPAC K, p. 142, 2003	20 % to 95 %
		Persistent Foam	MT 47.2, CIPAC F, p. 152, 1995	0 to 100 ml
		Wettability	MT 53.3, CIPAC F, p. 164, 1995	1 sec to 600 sec
		Degree of dispersion	MT 174, CIPAC F, p.435, 1995	20 % to 100 %
10.	Sulphur DP	Active ingredient	IS 3383:1982	1 % to 90 %
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
		Dry Sieve test	MT 59.1, CIPAC F, p. 177, 1995	0 to 10 %

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		Moisture content	MT 30.5, CIPAC J, p 120,2000	0.01 % to 10 %
11.	Sulphur SC	Active ingredient	IS 3383:1982	1 % to 90 %
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
		Wet Sieve test	MT 185, CIPAC K, p. 149, 2003	0 to 5 %
		Suspensibility	MT 161, CIPAC F, p.394, 1995	20 % to 99 %
		Persistent Foam	MT 47.2, CIPAC F, p. 152, 1995	0 to 100 ml
		Pourability	MT 148.1, CIPAC J, p 133,2000	0.1 % to 10 %
12.	Tebuconazole technical	Active ingredient	494/TC/M/3, CIPAC H, p.262, 1998	70 % to 100 %
		Water	Clause No. 4.1 of IS: 6940-1982	0.01 % to 10 %
		Acidity/alkalinity	Clause No. 11.3 of IS 6940: 1982	0.01 % to 5 %
13.	Tebuconazole WG	Active ingredient	494/WG/M/3, CIPAC H, p.266, 1998	2 % to 80 %
		Water	MT 30, CIPAC F, p.91, 1995	0.01 % to 10 %
		pH	MT 75, CIPAC F, p.205, 1995	1 to 14
		Wet sieve test	MT 167, CIPAC F, p.416, 1995	0 to 5 %
		Suspensibility	MT 168, CIPAC F, p.417, 1995	20 % to 95 %
		Persistent foam	MT 47, CIPAC F, p.152, 1995	0 to 40 ml
		Wettability	MT 53.3, CIPAC F, p.165, 1995	1 sec to 600 sec

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		Dustiness	MT 171, CIPAC F, p.425, 1995	0 to 1000 mg
14.	Tebuconazole Emulsion oil in water	Active ingredient	494/EW/M/3, CIPAC H, p.267, 1998	5 % to 60 %
		pH	MT 75, CIPAC F, p.205, 1995	1 to 14
		Wet sieve test	MT 167, CIPAC F, p.416, 1995	0 to 5 %
		Persistent foam	MT 47, CIPAC F, p.152, 1995	0 to 40 ml
		Pourability	MT 148, CIPAC F, p.348, 1995	0.1 % to 10 %
		Emulsion stability and re-emulsification	MT 36.1.1, CIPAC F, p.108, 1995	0 to 20 ml
		Flash point	MT 12.2, CIPAC F, p.37, 1995	Ambient to 70°C
15.	Tebuconazole EC	Active ingredient	494/TC/M/3, CIPAC H, p.262, 1998	5 % to 60 %
		Acidity/alkalinity	Clause No. 13.5 of IS 6940: 1982	0.01 % to 5 %
		Flash point	IS 1448[P:20]: 1998 (RA 2004)	Ambient to 70°C
		Emulsion stability	Clause No. 13.3 of IS : 6940-1982	0 to 20 ml
16.	Thiophanate methyl Technical	Active ingredient	262/TC/M/3 CIPAC D, Pg. 163	70 % to 100 %
		Active ingredient	IS 14551: 1998 Annex A-2	70 % to 100 %
		Moisture content	Clause No. 4.1 of IS 6940: 1982	0.01 % to 10 %
		Acidity as H ₂ SO ₄	Clause No. 11.3.2 of IS 6940: 1982	0.01 % to 5 %

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		Material insoluble in acetone	Clause No. 9 of IS 6940: 1982	0 to 5 %
17.	Thiophanate methyl WG	Active ingredient	262/WP/M/3 CIPAC D, Pg. 166	1 % to 90 %
		Active ingredient	IS 14551: 1998 Annex A-2	1 % to 90 %
		pH	MT 75.2, CIPAC F, p. 206, 1995	1 to 14
		Wet Sieve test	MT 59.3, CIPAC F, p.179, 1995	0 to 5 %
		Suspensibility	MT 184, CIPAC K, p. 142, 2003	20 % to 99 %
		Persistent Foam	MT 47, CIPAC F, p. 152, 1995	0 to 100ml
		Wettability	MT 53.3.1, CIPAC F, p. 164, 1995	1 sec to 600 sec
		Degree of dispersion	MT 174, CIPAC F, p.435, 1995	20 % to 100 %
18.	Thiophanate methyl SC	Active ingredient	262/SC/M/3 CIPAC D, Pg. 167	1 % to 90 %
		Active ingredient	IS 14551: 1998 Annex A-2	1 % to 90 %
		pH	MT 75, CIPAC F, p. 205, 1995	1 to 14
		Wet Sieve test	MT 59.3, CIPAC F, p.179, 1995	0 to 5 %
		Suspensibility	MT 161, CIPAC F, p.394, 1995	20 % to 99 %
		Persistent Foam	MT 47.2, CIPAC F, p. 152, 1995	0 to 100ml
		Pourability	MT 148, CIPAC F, p 348, 1995	0.1 % to 10 %
		Spontaneity of dispersion	MT 160, CIPAC F, p.391, 1995	20 % to 99 %

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b.	Herbicides			
1.	Clomazone technical	Active ingredient	Annex A of IS 15409:2003	70 % to 100 %
		Material insoluble in acetone	Clause No. 9.1 of IS 6940: 1982	0 to 5 %
		Acidity	Clause No. 11.3.2 of IS 6940: 1982	0.01 % to 5 %
2.	Clomazone CS	Active ingredient	Annex A of IS 15409:2003	10 % to 70 %
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
		Wet sieve test	MT 185, CIPAC K, p.149, 2003	0 to 5 %
		Suspensibility	MT 161, CIPAC F, p.394, 1995	20 % to 99 %
		Persistent Foam	MT 47.2, CIPAC F, p. 152, 1995	0 to 100ml
		Pourability	MT 148, CIPAC F, p. 348, 1995	0.1 % to 10 %
		Spontaneity of dispersion	MT 160, CIPAC F, p. 391, 1995	20 % to 99 %
3.	Dicamba Technical	Active ingredient	DRC/SOP/DCT/374, Issue No. 01, Issue Date 01.02.2016	70 % to 100 %
		Moisture content	MT 30.5, CIPAC J, p 120	0.01 % to 10 %
4.	Dicamba WG	Active ingredient	DRC/SOP/DCWG/376, Issue No. 01, Issue Date 01.02.2016	10 % to 90 %
		pH	MT 75, CIPAC F, p. 205, 1995	1 to 14
		Wet Sieve test	MT 185, CIPAC K, p. 149, 2003	0 to 5 %
		Suspensibility	MT 184, CIPAC K, p. 142, 2003	20 % to 99 %

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		Persistent Foam	MT 47.2, CIPAC F, p. 152, 1995	0 to 100 ml
		Wettability	MT 53.3, CIPAC F, p. 164, 1995	1 sec to 600 sec
		Degree of dispersion	MT 174, CIPAC F, p.435, 1995	20 % to 100 %
		Dustiness	MT 171, CIPAC F, p.425, 1995	0 to 1000 mg
4.	Dicamba SG	Active ingredient	DRC/SOP/DCSG/377, Issue No. 01, Issue Date 01.02.2016	10 % to 90 %
		pH	MT 75, CIPAC F, p. 205, 1995	1 to 14
		Degree of dissolution and solution stability	MT 179, CIPAC H, p. 307, 1998	0 to 10 %
		Moisture content	MT 30.5, CIPAC J, p 120,2000	0.01 % to 10 %
		Persistent Foam	MT 47.2, CIPAC F, p. 152, 1995	0 to 100 ml
		Dustiness	MT 171, CIPAC F, p.425, 1995	0 to 1000 mg
5.	Metribuzin technical	Active ingredient	DRC/SOP/MBT/66, Issue No. 01, Issue Date 01.02.2016	70 % to 100 %
		Water	Clause No. 4.1 of IS 6940: 1982	0.01 % to 10 %
		Material insoluble in acetone	Clause No. 9 of IS 6940: 1982	0 to 5 %
		Acidity/alkalinity	Clause No. 11.3 of IS 6940: 1982	0.01 % to 5 %
		Melting point	Clause No.6 of IS 6940: 1982	Ambient to 350°C

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6.	Metribuzin SC	Active ingredient	DRC/SOP/MBSC/245, Issue No. 01, Issue Date 01.02.2016	10 % to 60 %
		pH	MT 75,CIPAC 1A, Pg. 1589, 1985	1 to 14
		Pourability	MT 148 CIPAC 1C, Pg. 2282, 1985	0.1 % to 10 %
		Spontaneity of dispersion	MT 160,CIPAC 1C, Pg. 2291, 1985	20 % to 99 %
		Suspensibility	MT 161,CIPAC 1C, Pg. 2294, 1985	20 % to 99 %
		Wet Sieve test	MT 59.3,CIPAC F, Pg. 179, 1995	0 to 5 %
		Persistent foam	MT 47.2, CIPAC 1C, Pg. 2249, 1985	0 to 100 ml
7.	Metribuzin WG	Active ingredient	DRC/SOP/MBWG/67, Issue No. 01, Issue Date 01.02.2016	10 % to 80 %
		Water	MT 30.1, CIPAC F, Pg. 91, 1995	0.01 % to 10 %
		Wet sieve test	MT 167, CIPAC F, Pg. 416, 1995	0 to 5 %
		Suspensibility	MT 168, CIPAC F, Pg. 417, 1995	20 % to 99 %
		Persistent foam	MT 47, CIPAC F, Pg. 152, 1995	0 to 40 ml
		Wetting Period	MT 53.3.1 CIPAC F, Pg. 164, 1995	1 sec to 600 sec
		Dustiness	MT 171, CIPAC F, Pg. 425, 1995	0 to 1000 mg
8.	Pendimethalin tech	Active ingredient	DRC/SOP/PMT/73, Issue No. 01, Issue Date 01.02.2016	70 % to 100 %

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		Material insoluble in acetone	Clause No.9 of IS 6940: 1982	0 to 5 %
		Acidity/alkalinity	Clause No. 11.3 of IS 6940: 1982	0.01 % to 5 %
		Melting point	Clause No. 6 of IS 6940: 1982	Ambient to 350°C
9.	Pendimethalin EC	Active ingredient	DRC/SOP/PMEC/248, Issue No. 01, Issue Date 01.02.2016	5 % to 70 %
		Acidity/alkalinity	Clause No. 13.5.4 of IS 6940: 1982	0.01 % to 5 %
		Flash Point	IS 1448[P : 20]: 1998 (RA 2004)	Ambient to 70°C
		Emulsion stability	Clause No. 13.3 of IS : 6940:1982	0 to 20 ml
c.	Insecticides			
1.	Acetamiprid Technical	Active ingredient	649/TC/(M)/3 CIPAC L, Pg. 4, 2006	70 % to 100 %
		Water	Clause 4.1 of IS 6940: 1982	0.01 % to 10 %
2.	Acetamiprid SP	Active Ingredient	649/SP/(M)/3 CIPAC L, Pg. 11, 2006	2 % to 80 %
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
		Wettability	MT 53.3,CIPAC F, p 164, 1995	1 sec to 600 sec
		Persistent foam	MT 47.1, CIPAC F, p.152, 1995	0 to 40 ml
		Wet Sieve test	MT 185, CIPAC K, p. 149, 2003	0 to 5 %
3.	Acetamiprid SL	Active ingredient	649/SL/(M)/3 CIPAC L, Pg. 12, 2006	2 % to 50 %

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		Flash point	IS 1448[P : 20]: 1998 (RA 2004)	Ambient to 70°C
		Persistent foam	MT 47.2, CIPAC F, p.152,1995	0 to 100 ml
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
4.	Alpha cypermethrin Technical	Active ingredient	454/TC/M/3, CIPAC H, p.15, 1998	70 % to 100 %
		Alkalinity (as NaOH)	Clause No. 11.3 of IS 6940: 1982	0.01 % to 5 %
		Moisture content	Clause No. 4.1 of IS 6940: 1982	0.01 % to 10 %
5.	Alpha cypermethrin WP	Active ingredient	454/WP/M/3,CIPAC H, p18, 1998	2 % to 50 %
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
		Wet sieve test	MT 185, CIPAC K, p.149,2003	0 to 5 %
		Suspensibility	MT 184 CIPAC K, p.142, 2003	1 % to 95 %
		Wettability	MT 53.3.2, CIPAC F, p.164, 1995	1 sec to 600 sec
		Persistent foam	MT 47.2, CIPAC F, p.152, 1995	0 to 100 ml
6.	Alpha cypermethrin SC	Active ingredient	454/SC/M/3, CIPAC H, p.20, 1998	2 % to 50 %
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
		Pourability	MT 148, CIPAC F, p. 348, 1995	0.1 % to 10 %
		Spontaneity of dispersion	MT 160, CIPAC F, p. 391, 1995	20 % to 99 %

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		Suspensibility	MT 161 CIPAC F, p.394, 1995	1 % to 95 %
		Wet sieve test	MT 185, CIPAC K, p.149, 2003	0 to 5 %
		Persistent foam	MT 47.2, CIPAC F, p.152, 1995	0 to 100 ml
7.	Chlorpyriphos technical	Active ingredient	221.b/TC/M/3, CIPAC 1C, p.2028,1985	70 % to 100 %
		Acetone insolubles	Clause No. 9 of IS 6940 : 1982	0 to 5 %
		Water	Clause No. 4.1 of IS 6940 : 1982	0.01 % to 10 %
		Acidity	Clause No. 11.3.2 of IS 6940 : 1982	0.01 % to 5 %
8.	Chlorpyriphos EC	Active ingredient	221.b/EC/M/3, CIPAC 1C, p.2031,1985	10 % to 60 %
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
		Acidity	Clause No. 11.3 of IS 6940 : 1982	0.01 % to 5 %
		Emulsion stability and re-emulsification	Clause No. 13.3 of IS 6940: 1982	0 to 20 ml
		Flash point	IS 1448[P : 20]: 1998 (RA 2004)	Ambient to 70°C
9.	Chlorpyriphos CS	Active ingredient	221.b/TC/M/3, CIPAC 1C, p.2028,1985	2 % to 70 %
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
		Wet sieve test	MT 185, CIPAC K, p.149, 2003	0 to 5 %
		Suspensibility	MT 161, CIPAC F, p.394, 1995	20 % to 99 %

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		Persistent Foam	MT 47.2, CIPAC F, p. 152, 1995	0 to 100 ml
		Pourability	MT 148, CIPAC F, p. 348, 1995	0.1 % to 10 %
		Spontaneity of dispersion	MT 160, CIPAC F, p. 391, 1995	20 % to 99 %
10.	Chlorpyriphos WG	Active ingredient	221.b/WP/M/3, CIPAC 1C Pg. No. 2030, 1985	1 % to 80 %
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
		Wettability	MT 53.3, CIPAC F, p. 164, 1995	1 sec to 600 sec
		Wet Sieve test	MT 185, CIPAC K, p.149, 2003	0 to 5 %
		Degree of dispersion	MT 174, CIPAC F, p.435, 1995	20 % to 100 %
		Suspensibility	MT 184, CIPAC K, p.142, 2003	20 % to 95 %
		Persistent Foam	MT 47.2, CIPAC F, p. 152, 1995	0 to 100 ml
		Dustiness	MT 171, CIPAC F, p.425, 1995	0 to 1000 mg
11.	Cypermethrin technical	Active ingredient	332/TC/M/3.2, CIPAC 1C, p.2052, 1985	70 % to 100 %
		Water	Clause No. 4.1 of IS 6940: 1982	0.01 % to 10 %
		Acidity	Clause No. 11.3.2 of IS 6940: 1982	0.01 % to 5 %
		Flash point	MT 12, CIPAC F, p.31, 1995	Ambient to 70°C
12.	Cypermethrin EC	Active ingredient	332/EC/M/3.2 CIPAC 1C, p.2059, 1985	1 % to 60 %

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		Water	MT 30, CIPAC F, p.91, 1995	0.01 % to 10 %
		Acidity	Clause No. 11.3 of IS 6940: 1982	0.01 % to 5 %
		Emulsion stability and re-emulsification	Clause No. 13.3 of IS : 6940- 1982	0 to 20 ml
		Flash point	IS 1448[P:20]: 1998 (RA 2004)	Ambient to 70°C
13.	Deltamethrin technical	Active ingredient	333/TC/M2/3, CIPAC L, p.46, 2006	70 % to 100 %
		Melting Point	Clause No. 6 of IS 6940: 1982	Ambient to 350°C
14.	Deltamethrin SC	Active ingredient	333/SC/M/3, CIPAC L, p 51, 2006	1 % to 60 %
		pH	MT 75.3, CIPAC J, p 131, 2000	1 to 14
		Pourability	MT 148, CIPAC F, p 348, 1995	0.1 % to 10 %
		Spontaneity of dispersion	MT 160, CIPAC F, p 391, 1995	20 % to 99 %
		Suspensibility	MT 184, CIPAC K, p.142, 2003	20 % to 99 %
		Wet sieve test	MT 185, CIPAC K, p 149, 2003	0 to 5 %
		Persistent Foam	MT 47.2, CIPAC F, p 152, 1995	0 to 100 ml
15	Deltamethrin CS	Active ingredient	333/SC/M/3, CIPAC L, p 51, 2006	1 % to 60 %
		pH	MT 75.3, CIPAC J, p 131, 2000	1 to 14
		Pourability	MT 148, CIPAC F, p. 348, 1995	0.1 % to 10 %

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		Spontaneity of dispersion	MT 160, CIPAC F, p. 391, 1995	20 % to 99 %
		Suspensibility	MT 184, CIPAC K, p.142, 2003	20 % to 99 %
		Wet Sieve test	MT 185, CIPAC K, p.149, 2003	0 to 5 %
		Persistent Foam	MT 47.2, CIPAC F, p. 152, 1995	0 to 100 ml
16.	Deltamethrin EC	Active ingredient	333/EC/M2/3, CIPAC L, p 50, 2006	1 % to 50 %
		pH	MT 75.3, CIPAC J, p 131,2000	1 to 14
		Acidity (as H2SO4)	Clause No. 11.3 of IS : 6940-1982	0.01 % to 5 %
		Emulsion stability	Clause No. 13.3 of IS : 6940-1982	0 to 20 ml
		Flash point	IS 1448[P:20]: 1998 (RA 2004)	Ambient to 70°C
		Persistent foam	MT 47.2, CIPAC F, p 152,1995	0 to 100ml
17.	Deltamethrin WDG	Active ingredient	333/WG/M/3, CIPAC L, p 48,2006	1 % to 50 %
		Acidity (as H2SO4)	MT 31, CIPAC F, p.96, 1995	0.01 % to 5 %
		Wettability	MT 53.3, CIPAC F, p 164,1995	1 sec to 600 sec
		Wet sieve test	MT 185, CIPAC K, p 149,2003	0 to 5 %
		Degree of dispersion	MT 174, CIPAC F, p 435,1995	20 % to 100 %
		Suspensibility	MT 184, CIPAC K, p 142,2003	20 % to 99 %

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		Persistent foam	MT 47.2, CIPAC F, p 152,1995	0 to 100 ml
		Dustiness	MT 171, CIPAC F, p 425,1995	0 to 1000 mg
18.	Diflubenzuron Technical	Active ingredient	DRC/SOP/DBZT/347, Issue No. 01, Issue Date 01.02.2016	70 % to 100 %
		Melting point	Clause No.6 of IS 6940: 1982	Ambient to 350°C
19.	Diflubenzuron WG	Moisture content Active ingredient	MT 30.5, CIPAC J, p 120 DRC/SOP/DBZWG/348, Issue No. 01, Issue Date 01.02.2016	0.01 % to 10 % 1 % to 90 %
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
		Wet Sieve test	MT 59.3, CIPAC F, p.179, 1995	0 to 5 %
		Suspensibility	MT 184, CIPAC K, p. 142, 2003	20 % to 95 %
		Persistent Foam	MT 47.2, CIPAC F, p. 152, 1995	0 to 100 ml
		Wettability	MT 53.3, CIPAC F, p. 164, 1995	1 sec to 600 sec
		Degree of dispersion	MT 174, CIPAC F, p.435, 1995	20 % to 100 %
20.	Fipronil technical	Active ingredient	581/TC/M/3 CIPAC J, p 60,2000	70 % to 100 %
21.	Fipronil WDG	Active ingredient	581/WG/M/3 CIPAC N, p 62,2012	0.1 % to 90 %
		Water	MT 30.5, CIPAC J, p 120,2000	0.01 % to 10 %
		Wettability	MT 53.3, CIPAC F, p 164,1995	1 sec to 600 sec

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		Wet sieve test	MT 185, CIPAC K, p 149,2003	0 to 5 %
		Degree of dispersion	MT 174, CIPAC F, p 435,1995	20 % to 100 %
		Suspensibility	MT 184, CIPAC K, p 142,2003	20 % to 99 %
		Persistent foam	MT 47.2, CIPAC F, p 152,1995	0 to 100 ml
		Dustiness	MT 171, CIPAC F, p 425,1995	0 to 1000 mg
22.	Fipronil Gel	Active ingredient	581/TC/M/3 CIPAC J, p 60,2000	0.01 % to 5 %
		Density	MT 3.3.2, CIPAC F. p. 19, 1995	0.5g/cm ³ to 2g/cm ³
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
23.	Fipronil SC	Active ingredient	581/SC/M/3 CIPAC N, p 61,2012	1 % to 50 %
		pH	MT 75.3, CIPAC J, p 131,2000	1 to 14
		Pourability	MT 148, CIPAC F, p 348,1995	0.1 % to 10 %
		Spontaneity of dispersion	MT 160, CIPAC F, p 391,1995	20 % to 99 %
		Suspensibility	MT 184, CIPAC K, p 142,2003	20 % to 99 %
		Wet sieve test	MT 185, CIPAC K, p 149,2003	0 to 5 %
		Persistent foam	MT 47.2, CIPAC F, p 152,1995	0 to 100 ml
24.	Imidacloprid technical	Active ingredient	Annex A of IS 15443:2004 582/TC/M2/3 CIPAC K, Pg. 70,2003	70 % to 100 %

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		Moisture content	Clause No. 4.1 of IS: 6940-1982	0.01 % to 10 %
		Acidity/alkalinity	Clause No. 11.3 of IS: 6940-1982	0.01 % to 5 %
25.	Imidacloprid WG	Active ingredient	Annex A of IS 15443:2004 582/WG/M/3 CIPAC K, Pg. 72,2003	5 % to 80 %
		Wettability	MT 53.3, CIPAC F, p 164,1995	1 sec to 600 sec
		Wet sieve test	MT 185, CIPAC K, p 149,2003	0 to 5 %
		Degree of dispersion	MT 174, CIPAC F, p 435,1995	20 % to 100 %
		Suspensibility	MT 184, CIPAC K, p.142, 2003	20 % to 99 %
		Persistent Foam	MT 47.2, CIPAC F, p. 152, 1995	0 to 100 ml
		Dustiness	MT 171, CIPAC F, p 425,1995	0 to 1000 mg
26.	Imidacloprid SC	Active ingredient	Annex A of IS 15443:2004 582/SC/M2/3 CIPAC K, Pg. 74,2003	1 % to 60 %
		Pourability	MT 148.1, CIPAC J, p 133,2000	0.1 % to 10 %
		Spontaneity of dispersion	MT 160, CIPAC F, p 391,1995	20 % to 99 %
		Suspensibility	MT 184, CIPAC K, p 142,2003	20 % to 99 %
		Wet sieve test	MT 185, CIPAC K, p 149,2003	0 to 5 %
		Persistent foam	MT 47.2, CIPAC F, p 152,1995	0 to 100 ml

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Convenor

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27.	Imidacloprid suspension concentrate for seed treatment-FS	Active ingredient	Annex A of IS 15443:2004 582/FS/M/3 CIPAC K, Pg. 75,2003	1 % to 70 %
		pH	MT 75.3, CIPAC J, p 131,2000	1 to 14
		Pourability	MT 148.1, CIPAC J , p. 133,2000	0.1 % to 10 %
		Wet sieve test	MT 185, CIPAC K, p 149,2003	0 to 5 %
		Persistent foam	MT 47.2, CIPAC F, p 152,1995	0 to 100 ml
28.	Imidacloprid SL	Active ingredient	IS 15335: 2003 582/SL/M/3 CIPAC L, Pg. 89,2006	1 % to 50 %
		Flash point	IS 1448[P:20]: 1998 (RA 2004)	Ambient to 70°C
		Persistent foam	MT 47.2, CIPAC F, p 152,1995	0 to 100 ml
		Acidity	Clause No. 13.5.4 of IS 6940: 1982	0.01 % to 5 %
29.	Imidacloprid Gel	Active ingredient	Annex A of IS 15443:2004 582/TC/M2/3 CIPAC K, Pg. 70,2003	0.1 % to 10 %
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
		Density	MT 3.3.2, CIPAC F. p. 19, 1995	0.5 g/cm ³ to 2 g/cm ³
30.	Imidacloprid OD	Active ingredient	Annex A of IS 15443:2004 582/OD/M/3 CIPAC L, Pg. 89,2006	1 % to 60 %
		Pourability	MT 148.1, CIPAC J, p 133,2000	0.1 % to 10 %

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		Wet sieve test	MT 185, CIPAC K, p 149,2003	0 to 5 %
		Persistent Foam	MT 47.2, CIPAC F, p 152,1995	0 to 100 ml
31.	Lambda Cyhalothrin Technical	Active Ingredient	463/TC/M/3, CIPAC E, p.50, 1992	70 % to 100 %
		Acidity	Clause No. 11.3.2 of IS: 6940-1982	0.01 % to 5 %
		Moisture content	Clause No. 4.1 of IS: 6940-1982	0.01 % to 10 %
32.	Lambda Cyhalothrin Emulsifiable Concentration	Active Ingredient	463/EC/M/3, CIPAC E, p.56, 1992	1 % to 50 %
		pH	MT 75.3, CIPAC J, p.131, 2000	1 to 14
		Persistent Foam	MT 47.2, CIPAC F, p.152, 1995	0 to 100 ml
33.	Lambda Cyhalothrin Water Dispersible Granules	Active ingredient	463/CS/M/3, CIPAC K, p.86, 2003	1 % to 50 %
		pH	MT 75.3, CIPAC J, p.131, 2000	1 to 14
		Wettability	MT 53.3, CIPAC F, p.164, 1995	1 sec to 600 sec
		Wet sieve test	MT 185, CIPAC K, p.149, 2003	0 to 5 %
		Degree of dispersion	MT 174, CIPAC F, p.435, 1995	20 % to 100 %
		Suspensibility	MT 184, CIPAC K, p.142, 2003	20 % to 99 %
		Persistent Foam	MT 47.2, CIPAC F, p.152, 1995	0 to 100 ml
		Dustiness	MT 171, CIPAC F, p.425, 1995	0 to 1000 mg

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34.	Lambda Cyhalothrin Capsule Suspension Slow Release	Active Ingredient	463/CS/M/3, CIPAC K, p.86, 2003	1 % to 30 %
		Release of lambda-cyhalothrin	MT 190, CIPAC L, p. 140, 2006	0 to 100 %
		pH	MT 75.3, CIPAC J, p.131, 2000	1 to 14
		Wet sieve test	MT 185, CIPAC K, p.149, 2003	0 to 5 %
		Suspensibility	MT 184, CIPAC K, p.142, 2003	20 % to 99 %
		Persistent Foam	MT 47.2, CIPAC F, p.152, 1995	0 to 100 ml
		Pourability	MT 148.1, CIPAC J, p.133, 2000	0.1 % to 10 %
	Spontaneity of dispersion	MT 160, CIPAC F, p.391, 1995	20 % to 99 %	
35.	Lambda Cyhalothrin Capsule Suspension Rapid Release	Active Ingredient	463/CS/M/3, CIPAC K, p.86, 2003	1 % to 30 %
		pH	MT 75.3, CIPAC J, p.131, 2000	1 to 14
		Wet sieve test	MT 185, CIPAC K, p.149, 2003	0 to 5 %
		Suspensibility	MT 184, CIPAC K, p.142, 2003	20 % to 99 %
		Persistent Foam	MT 47.2, CIPAC F, p.152, 1995	0 to 100 ml
		Pourability	MT 148.1, CIPAC J, p.133, 2000	0.1 % to 10 %
			Spontaneity of dispersion	MT 160, CIPAC F, p.391, 1995

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36.	Thiamethoxam Technical	Active ingredient	IS 15983:2013 Annex. A-1	70 % to 100 %
		Moisture content	Clause No. 4.1 of IS 6940: 1982	0.01 % to 10 %
		pH	IS 15983:2013 Annex. B	1 to 14
		Material insoluble in acetone	Clause No. 9 of IS 6940: 1982	0 to 5 %
		Melting point	Clause No.6 of IS 6940: 1982	Ambient to 350°C
37.	Thiamethoxam WG	Active ingredient	IS 15983:2013 Annex. A-1	1 % to 90 %
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
		Wet Sieve test	MT 185, CIPAC K, p. 149, 2003	0 to 5 %
		Suspensibility	MT 184, CIPAC K, p. 142, 2003	20 % to 99 %
		Persistent Foam	MT 47.3, Draft method	0 to 100 ml
		Wettability	MT 53.3, CIPAC F, p. 164, 1995	1 sec to 600 sec
		Degree of dispersion	MT 174, CIPAC F, p.435, 1995	20 % to 100 %
		Dustiness	MT 171, CIPAC F, p.425, 1995	0 to 1000mg
38.	Thiamethoxam SG	Active ingredient	IS 15983:2013 Annex. A-1	1 % to 90 %
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
		Degree of dissolution and solution stability	MT 179, CIPAC H, p. 307, 1998	0 to 10 %
		Moisture content	MT 30.5, CIPAC J, p 120,2000	0.01 % to 10 %
		Persistent Foam	MT 47.3, Draft method	0 to 100 ml
		Dustiness	MT 171, CIPAC F, p.425, 1995	0 to 1000 mg

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39.	Chlorpyrifos + Cypermethrin EC	Active ingredient	DRC/SOP/CPPCMEC/108, Issue No. 01, Issue Date 01.02.2016	Chlorpyrifos: 10 % to 60 % Cypermethrin: 2 % to 10 %
		Acidity	Clause No. 11.3 of IS 6940: 1982	0.01 % to 5 %
		Emulsion stability	Clause No. 13.3 of IS : 6940-1982	0 to 20 ml
		Flash point	IS 1448[P : 20]: 1998 (RA 2004)	Ambient to 70°C
40.	Chlorpyrifos + Cypermethrin WG	Active ingredient	DRC/SOP/CPPCMWG/279, Issue No. 01, Issue Date 01.02.2016	Chlorpyrifos:10 % to 60 % Cypermethrin:2 % to 10 %
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14
		Wet Sieve test	MT 185, CIPAC K, p. 149, 2003	0 to 5 %
		Suspensibility	MT 184 CIPAC K, p. 142, 2003	20 % to 95 %
		Persistent Foam	MT 47.2 CIPAC F, p. 152, 1995	0 to 100 ml
		Wettability	MT 53.3,CIPAC F, p.164, 1995	1 sec to 600 sec
		Dustiness	MT 171, CIPAC F, p. 425, 1995	0 to 1000 mg
41.	Imidacloprid + Lambdacyhalothrin WG	Active ingredient	Imidacloprid: Annex A of IS 15443:2004 582/TC/M2/3 CIPAC K, Pg. 70,2003	Imidacloprid: 5 % to 50 %
			Lambda: 463/CS/M/3, CIPAC K, p.86, 2003	Lambda: 2 % to 20 %
		pH	MT 75.3, CIPAC J, p. 131, 2000	1 to 14

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		Wet Sieve test	MT 185, CIPAC K, p. 149, 2003	0 to 5 %
		Suspensibility	MT 184, CIPAC K, p. 142, 2003	20 % to 99 %
		Persistent Foam	MT 47.2, CIPAC F, p. 152, 1995	0 to 100 ml
		Wettability	MT 53.3, CIPAC F, p. 164, 1995	1 sec to 600 sec
		Dustiness	MT 171, CIPAC F, p. 425, 1995	0 to 1000 mg
42.	Lambda Cyhalothrin + Thiamethoxam ZC	Active Ingredient	Lambdacyhalothrin: 463/CS/M/3, CIPAC K, p.86, 2003	Lambdacyhalothrin: 1 % to 30 %
			Thiamethoxam: IS 15983:2013 Annex. A-1	Thiamethoxam: 1 % to 30 %
		pH	MT 75.3, CIPAC J, p.131, 2000	4 to 10
		Wet sieve	MT 185, CIPAC K, p.149, 2003	0.01 % to 5 %
		Suspensibility	MT 161, CIPAC F, p.394, 1995	30 % to 99 %
		Persistent Foam	MT 47.2, CIPAC F, p.152, 1995	1 ml to 70 ml
		Pourability	MT 148.1 CIPAC J, p.133, 2000	0.1 % to 10 %.
		Spontaneity of dispersion	MT 160, CIPAC F, p.391, 1995	30 % to 99 %