

Laboratory	Analytical Laboratory, United Phosphorus Limited R & D Centre, Plot C-12, Road No. 16, Wagle Industrial Estate, Thane (W), Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	19.05.2014
Certificate Number	T-1748	Valid Until	18.05.2016
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	PESTICIDES			
A	Herbicides			
1.	Clodinafop propargyl Technical	Active content	URCT/TM/01 Based on CIPAC: 683/TC/M (15/10/2010)	10 to 100%
		Moisture content	IS: 6940-1982 (RA 2002)	0.1 to 1.0%
		pH	CIPAC MT 75.3, J (2000)	1 to 14
		Acidity/alkalinity	IS: 6940-1982 (RA 2002)	0.01 to 5.0%
		Melting point	IS: 6940-1982 (RA 2002)	50 to 350 °C
2.	Glyphosate Technical	Active content	In- house Validated Method URCT/TM/05 (01/07/2009)	10 to 100%
		Moisture content	IS: 6940-1982 (RA 2002)	0.1 to 1.0%
		pH	CIPAC MT 75.3, J (2000)	1 to 14
3.	Pendimethalin Technical	Active content	IS:12685 (1989)	10 to 99.5%
		Moisture content	CIPAC MT 30.1	0.1 to 0.5%
		pH	CIPAC MT 75.3, J (2000)	1 to 14
		Acidity/alkalinity	IS: 6940-1982 (RA 2002)	0.01 to 5.0%
		Melting point	IS: 6940-1982 (RA 2002)	50 to 350 °C
4.	Metribuzin Technical	Active content	In-house Method URCT/TM/17	10 to 99.5%
		Moisture content	IS: 6940-1982 (RA 2002)	0.1 to 1.0%
		Melting point	IS: 6940-1982 (RA 2002)	50 to 350 °C

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B	FUNGICIDES			
1.	Tebuconazole Technical	Active content Moisture content pH Acidity/alkalinity Melting point	CIPAC:494, H (1998) IS: 6940-1982 (RA 2002) CIPAC MT 75.3, J (2000) IS: 6940-1982 (RA 2002) IS: 6940-1982 (RA 2002)	10 to 100% 0.1 to 1.0% 1 to 14 0.01 to 5.0% 50-350°C
2.	Azoxystrobin Technical	Active content Moisture content pH Acidity/alkalinity Melting point	In- Hose Validated Method URCT/TM/06 (01/07/2009) IS: 6940-1982 (RA 2002) CIPAC MT 75.3, J (2000) IS: 6940-1982 (RA 2002) IS: 6940-1982 (RA 2002)	10 to 100% 0.1 to 1.0% 1 to 14 0.01 to 5.0% 50 to 350 °C
3.	Mancozeb Technical	Active content Suspensibility Wettability Persistent foam Moisture content	CIPAC, 194, H (1998) CIPAC MT 15.1, F (1994) CIPAC MT 53, F (1994) CIPAC MT 47.1, F (1994) CIPAC MT 30.2, F (1994)	10 to 90% 10 to 95% Qualitative Qualitative 0.5 to 10%
4.	Ethylene thiourea (ETU) - An Impurity in Mancozeb Technical	% ETU content	URCT/TM/12 based on CIPAC MT 162, F (1994)	0.01 to 5.0%

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C	INSECTICIDES			
1.	Imidacloprid Technical	Active content Moisture content pH Acidity/alkalinity Melting point	CIPAC:582, H (1998) IS: 6940-1982 (RA 2002) CIPAC MT 75.3, J (2000) IS: 6940-1982 (RA 2002) IS: 6940-1982 (RA 2002)	10 to 100% 0.1 to 1.0% 1 to 14 0.01 to 5.0% 50 to 350 °C
2.	Novaluron Technical	Active content Moisture content pH Acidity/alkalinity Melting point	CIPAC:672, L (2006) IS: 6940-1982 (RA 2002) CIPAC MT 75.3, J (2000) IS: 6940-1982 (RA 2002) IS: 6940-1982 (RA 2002)	10 to 100% 0.1 to 1.0% 1 to 14 0.1 to 5.0% 50 to 350 °C
3.	Acephate Technical	Active content Moisture content pH Melting range Acidity/alkalinity	In- Hose Validated Method URCT/TM/10 (01/09/2011) IS: 6940-1982 (RA 2002) CIPAC MT 75.3, J (2000) IS: 6940-1982 (RA 2002) IS: 6940-1982 (RA 2002)	10 to 99.5% 0.1 to 1.0% 1 to 14 50 to 350°C 0.05 to 5.0%
4.	Cypermethrin Technical	Active content Moisture content Acidity	URCT/TM/14 based on CIPAC: 332/TC/M (11/10/2012) IS: 6940-1982 (RA 2002) IS: 6940-1982 (RA 2002)	10 to 99.5% 0.1 to 1.0% 0.01 to 5.0%
5.	Permethrin Technical	Active content Moisture content Acidity	URCT/TM/19 Based on CIPAC: 331 TC/M CIPAC MT 30.1, F (1994) IS: 6940-1982 (RA 2002)	1 to 99.5% 0.1 to 5% 0.01 to 5.0%

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D	HERBICIDE FORMULATIONS			
1.	Pendimethalin 30 EC	Active content Acidity Emulsion stability Cold test	IS:12685 (1989) IS: 6940-1982 (RA 2002) CIPAC MT 36.1, F (1994) CIPAC MT 39.1, F (1994)	10 to 50% 0.01 to 0.5% Qualitative Qualitative
2.	Glyphosate 4 1% SL	Active content Specific gravity pH Persistent foam	In-House Validated Method URCT/TM/09 (01/07/2010) CIPAC MT 3 CIPAC MT 75.3, J (2000) CIPAC MT 47.1, F (1994)	10 to 50% 1.15 to 1.19 4.5 to 6.8 Qualitative
3.	Clodinafop- propargyl 15% WP	Active content Suspensibility Wettability Acidity	In-House Validated Method URCT/TM/16 (05/11/2012) CIPAC MT 15.1, F (1994) CIPAC MT 53, F (1994) IS: 6940-1982 (RA 2002)	1 to 99.5% 1 to 99.5% Qualitative 0.01 to 5.0%
4.	Metribuzin 70 WG	Active content Suspensibility Wettability Moisture content Persistent foam	In- House Validated Method URCT/TM/18 CIPAC: 168, F(1994) & URCT/TM/18 CIPAC MT 53, F (1994) CIPAC MT 30.1, F (1994)) CIPAC MT 47, F (1994)	10 to 99.5% 10 to 99.5% Qualitative 0.1 to 5.0% Qualitative

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E	FUNGICIDE FORMULATION			
1.	Mancozeb 80 WP	Active content Suspensibility Wettability Persistent foam Moisture content	CIPAC, 194, H (1998) CIPAC MT 15.1, F (1994) CIPAC MT 53, F (1994) CIPAC MT 47.1, F (1994) CIPAC MT 30.2, F (1994)	10 to 90% 10 to 95% Qualitative Qualitative 0.5 to 10%
F	INSECTICIDE FORMULATIONS			
1.	Acephate 75 SP	Active content Acidity/alkalinity	In-House Validated Method URCT/TM/11 (24/08/2011) IS: 6940-1982 (RA 2002)	10 to 99.5% 0.05 to 5.0%
2.	Cypermethrin 10 % EC	Active content Acidity Emulsion stability Cold test	In-House Validated Method URCT/TM/15 (11/10/2012) IS: 6940-1982 (RA 2002) CIPAC MT 36.1, F (1994) CIPAC MT 39.1, F (1994)	10 to 99.5% 0.01 to 5.0% Qualitative Qualitative

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