

**Laboratory** Pesticide Formulation & Residue Analytical Centre, National Institute of Plant Health Management (NIPHM), Pesticide Management Division, Rajendranagar, Hyderabad, Telangana

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

**Certificate Number** TC-5338

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**Validity** 13.01.2019 to 12.01.2021

Last Amended on --

*"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"*

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.	PESTICIDE FORMULATIONS			
1.	Contaminants in Herbal Products/ Herbal Pesticides	Pesticide	In-house Validated method SOP/QP/PFRAC/103 - GCMS-MS & LCMS-MS based on AOAC 2007.01 (2012)	
		2,4-DDT		1 mg/kg to 1000 mg/kg
		4,4-DDD		1 mg/kg to 1000 mg/kg
		4,4-DDE		1 mg/kg to 1000 mg/kg
		4,4-DDT		1 mg/kg to 1000 mg/kg
		Acephate		1 mg/kg to 1000 mg/kg
		Acetamiprid		1 mg/kg to 1000 mg/kg
		Alachlor		1 mg/kg to 1000 mg/kg
		Aldrin		1 mg/kg to 1000 mg/kg
		Atrazine		1 mg/kg to 1000 mg/kg
		Benalaxyl		1 mg/kg to 1000 mg/kg
		Bendiocarb		1 mg/kg to 1000 mg/kg
		Bifenthrin		1 mg/kg to 1000 mg/kg
		Bitertenol		1 mg/kg to 1000 mg/kg
		Buprofezin		1 mg/kg to 1000 mg/kg
	Butachlor	1 mg/kg to 1000 mg/kg		
	Captafol	1 mg/kg to 1000 mg/kg		
	Captan	1 mg/kg to 1000 mg/kg		
	Carbaryl	1 mg/kg to 1000 mg/kg		
	Carbendazim	1 mg/kg to 1000 mg/kg		
	Carbofuran	1 mg/kg to 1000 mg/kg		
	Carboxin	1 mg/kg to 1000 mg/kg		
	Chlorfenvinphos	1 mg/kg to 1000 mg/kg		
	Chlorothalonil	1 mg/kg to 1000 mg/kg		
	Chlorpropham	1 mg/kg to 1000 mg/kg		
	Chlorpyrifos	1 mg/kg to 1000 mg/kg		

**Battal Singh**  
Convenor

**N. Venkateswaran**  
Program Manager

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		Chlorpyrifos methyl		1 mg/kg to 1000 mg/kg
		Coumatetralyl		1 mg/kg to 1000 mg/kg
		Cyfluthrin		1 mg/kg to 1000 mg/kg
		Cypermethrin		1 mg/kg to 1000 mg/kg
		Deltamethrin		1 mg/kg to 1000 mg/kg
		Diazinon		1 mg/kg to 1000 mg/kg
		Dichlorvos		1 mg/kg to 1000 mg/kg
		Dicofol		1 mg/kg to 1000 mg/kg
		Dieldrin		1 mg/kg to 1000 mg/kg
		Difenconazole		1 mg/kg to 1000 mg/kg
		Dimethoate		1 mg/kg to 1000 mg/kg
		Diuron		1 mg/kg to 1000 mg/kg
		Edifenphos		1 mg/kg to 1000 mg/kg
		Emmamectin benzoate		1 mg/kg to 1000 mg/kg
		Endosulfan beta		1 mg/kg to 1000 mg/kg
		Endosulfan sulphate		1 mg/kg to 1000 mg/kg
		Endosulfan-alpha		1 mg/kg to 1000 mg/kg
		Endrin		1 mg/kg to 1000 mg/kg
		Ethion		1 mg/kg to 1000 mg/kg
		Ethofenprox		1 mg/kg to 1000 mg/kg
		Fenitrothion		1 mg/kg to 1000 mg/kg
		Fenobucarb		1 mg/kg to 1000 mg/kg
		Fenoxaprop p ethyl		1 mg/kg to 1000 mg/kg
		Fenpropathrin		1 mg/kg to 1000 mg/kg
		Fenthion		1 mg/kg to 1000 mg/kg
		Fenvalerate		1 mg/kg to 1000 mg/kg
		HCH - Alpha		1 mg/kg to 1000 mg/kg
		HCH - Beta		1 mg/kg to 1000 mg/kg
		HCH - Delta		1 mg/kg to 1000 mg/kg
		Heptachlor		1 mg/kg to 1000 mg/kg
		Hexaconazole		1 mg/kg to 1000 mg/kg

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		Hexythiozox		1 mg/kg to 1000 mg/kg
		Imidacloprid		1 mg/kg to 1000 mg/kg
		Iprobenfos		1 mg/kg to 1000 mg/kg
		Isoproturon		1 mg/kg to 1000 mg/kg
		Lambda - Cyhalothrin		1 mg/kg to 1000 mg/kg
		Lindane		1 mg/kg to 1000 mg/kg
		Linuron		1 mg/kg to 1000 mg/kg
		Malathion		1 mg/kg to 1000 mg/kg
		Metalaxyl		1 mg/kg to 1000 mg/kg
		Methomyl		1 mg/kg to 1000 mg/kg
		Methoxy Fenozide		1 mg/kg to 1000 mg/kg
		Methyl Parathion		1 mg/kg to 1000 mg/kg
		Metolachlor		1 mg/kg to 1000 mg/kg
		Metribuzin		1 mg/kg to 1000 mg/kg
		Monocrotophos		1 mg/kg to 1000 mg/kg
		Myclobutanil		1 mg/kg to 1000 mg/kg
		Omethoate		1 mg/kg to 1000 mg/kg
		Paclobutrazol		1 mg/kg to 1000 mg/kg
		Parathion ethyl		1 mg/kg to 1000 mg/kg
		Penconazole		1 mg/kg to 1000 mg/kg
		Pendimethalin		1 mg/kg to 1000 mg/kg
		Permethrin		1 mg/kg to 1000 mg/kg
		Phenol, 4-bromo-2-chloro-		1 mg/kg to 1000 mg/kg
		Phorate		1 mg/kg to 1000 mg/kg
		Phosalone		1 mg/kg to 1000 mg/kg
		Phosmet		1 mg/kg to 1000 mg/kg
		Phosphamidon		1 mg/kg to 1000 mg/kg
		Pretilachlor		1 mg/kg to 1000 mg/kg
		Profenofos		1 mg/kg to 1000 mg/kg
		Propanil		1 mg/kg to 1000 mg/kg
		Propiconazole		1 mg/kg to 1000 mg/kg

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		Propoxur		1 mg/kg to 1000 mg/kg
		Quinalphos		1 mg/kg to 1000 mg/kg
		Simazine		1 mg/kg to 1000 mg/kg
		Spinosad		1 mg/kg to 1000 mg/kg
		Tau-Fluvalinate		1 mg/kg to 1000 mg/kg
		Tebuconazole		1 mg/kg to 1000 mg/kg
		Thiacloprid		1 mg/kg to 1000 mg/kg
		Thiamethoxam		1 mg/kg to 1000 mg/kg
		Thiobencarb		1 mg/kg to 1000 mg/kg
		Thiodicarb		1 mg/kg to 1000 mg/kg
		Thiophanate methyl		1 mg/kg to 1000 mg/kg
		Transfluthrin		1 mg/kg to 1000 mg/kg
		Triademefon		1 mg/kg to 1000 mg/kg
		Triademenol		1 mg/kg to 1000 mg/kg
		Triallate		1 mg/kg to 1000 mg/kg
		Triazophos		1 mg/kg to 1000 mg/kg
		Tricyclazole		1 mg/kg to 1000 mg/kg
		Trifluralin		1 mg/kg to 1000 mg/kg
		<b>Pesticide</b>	In-house Validated method	
		Acetamiprid	SOP/QP/PFRAC/103 -	0.05mg/kg to 10 mg/kg
		Imidacloprid	based on AOAC 2007.01	0.05mg/kg to 10 mg/kg
		Thiamethoxam	(2012) followed by	0.05mg/kg to 10 mg/kg
		Emamectin Benzoate	appropriate BIS Standard	0.05mg/kg to 10 mg/kg
		Abamectin	Specification.(s) and/or	0.05mg/kg to 10 mg/kg
		Deltamethrin	CIR approved method	0.05mg/kg to 10 mg/kg
		Buprofezin		0.05mg/kg to 10 mg/kg
<b>II.</b>	<b>WATER</b>			
<b>1.</b>	<b>Drinking Water, Surface Water &amp;</b>	<b>Pesticide Residues</b>	SOP/ PFRAC/104	
		o,p -DDD	Validated method based on	0.1 µg/L to 10 µg/L

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	<b>Ground Water</b>	p,p - DDD	AOAC , 990.06-(1993)	0.1 µg/L to 10 µg/L
		o,p – DDE		0.1 µg/L to 10 µg/L
		p,p – DDE		0.1 µg/L to 10 µg/L
		o,p – DDT		0.1 µg/L to 10 µg/L
		p,p - DDT		0.1 µg/L to 10 µg/L
		Alpha HCH		0.1 µg/L to 10 µg/L
		Beta HCH		0.1 µg/L to 10 µg/L
		Delta HCH		0.1 µg/L to 10 µg/L
		Gama-HCH (Lindane)		0.1 µg/L to 10 µg/L
		Alpha Endosulfan		0.1 µg/L to 10 µg/L
		Beta Endosulfan		0.1 µg/L to 10 µg/L
		Endosulfan Sulfate		0.1 µg/L to 10 µg/L
		Monocrotophos		0.1 µg/L to 10 µg/L
		Ethion		0.1 µg/L to 10 µg/L
		Chlorpyrifos		0.1 µg/L to 10 µg/L
		Phorate		0.1 µg/L to 10 µg/L
		Butachlor		0.1 µg/L to 10 µg/L
		Isoproturon		0.1 µg/L to 10 µg/L
		Alachlor		0.1 µg/L to 10 µg/L
		Atrazine		0.1 µg/L to 10 µg/L
		Methyl Parathion		0.1 µg/L to 10 µg/L
		Malathion		0.1 µg/L to 10 µg/L
		Malaoxon		0.1 µg/L to 10 µg/L
		Aldrin		0.1 µg/L to 10 µg/L
	Dieldrin		0.1 µg/L to 10 µg/L	
	Dicofol		0.1 µg/L to 10 µg/L	
	Heptachlor		0.1 µg/L to 10 µg/L	
	Pendimethalin		0.1 µg/L to 10 µg/L	
	Fluchloralin		0.1 µg/L to 10 µg/L	
	Dimethoate		0.1 µg/L to 10 µg/L	
	Phosphomidon		0.1 µg/L to 10 µg/L	

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		Quinalphos		0.1 µg/L to 10 µg/L
		Profenofos		0.1 µg/L to 10 µg/L
		Alphcypermethrin		0.1 µg/L to 10 µg/L
		Deltamethrin		0.1 µg/L to 10 µg/L
		Fenpropathrin		0.1 µg/L to 10 µg/L
		Fenvalerate		0.1 µg/L to 10 µg/L
		Lambdacyhalothrin		0.1 µg/L to 10 µg/L
		Beta cyfluthrin		0.1 µg/L to 10 µg/L
<b>III.</b>	<b>RESIDUES IN FOOD PRODUCTS</b>			
<b>1.</b>	<b>Fruits &amp; Vegetables</b>	<b>Pesticide Residues</b>	In-house Validated method SOP/QP/PFRAC/102 - GCMS-MS & LCMS-MS based on AOAC 2007.01 (2012) Date of Issue 01/07/2015 (Rev. No. 01)	
		2,4-DDT		0.01 mg/kg to 50 mg/kg
		4,4-DDD		0.01 mg/kg to 50 mg/kg
		4,4-DDE		0.01 mg/kg to 50 mg/kg
		4,4-DDT		0.01 mg/kg to 50 mg/kg
		Acephate		0.01 mg/kg to 50 mg/kg
		Acetamiprid		0.01 mg/kg to 50 mg/kg
		Alachlor		0.01 mg/kg to 50 mg/kg
		Aldrin		0.01 mg/kg to 50 mg/kg
		Atrazine		0.01 mg/kg to 50 mg/kg
		Benalaxyl		0.01 mg/kg to 50 mg/kg
		Bendiocarb		0.01 mg/kg to 50 mg/kg
		Bifenthrin		0.01 mg/kg to 50 mg/kg
		Bitertenol		0.01 mg/kg to 50 mg/kg
		Buprofezin		0.01 mg/kg to 50 mg/kg
		Butachlor		0.01 mg/kg to 50 mg/kg
	Captafol	0.01 mg/kg to 50 mg/kg		
	Captan	0.01 mg/kg to 50 mg/kg		
	Carbaryl	0.01 mg/kg to 50 mg/kg		
	Carbendazim	0.01 mg/kg to 50 mg/kg		

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		Carbofuran		0.01 mg/kg to 50 mg/kg
		Carboxin		0.01 mg/kg to 50 mg/kg
		Chlorfenvinphos		0.01 mg/kg to 50 mg/kg
		Chlorothalonil		0.01 mg/kg to 50 mg/kg
		Chlorpropham		0.01 mg/kg to 50 mg/kg
		Chlorpyrifos		0.01 mg/kg to 50 mg/kg
		Chlorpyrifos methyl		0.01 mg/kg to 50 mg/kg
		Coumatetralyl		0.01 mg/kg to 50 mg/kg
		Cyfluthrin		0.01 mg/kg to 50 mg/kg
		Cypermethrin		0.01 mg/kg to 50 mg/kg
		Deltamethrin		0.01 mg/kg to 50 mg/kg
		Diazinon		0.01 mg/kg to 50 mg/kg
		Dichlorvos		0.01 mg/kg to 50 mg/kg
		Dicofol		0.01 mg/kg to 50 mg/kg
		Dieldrin		0.01 mg/kg to 50 mg/kg
		Difenconazole		0.01 mg/kg to 50 mg/kg
		Dimethoate		0.01 mg/kg to 50 mg/kg
		Diuron		0.01 mg/kg to 50 mg/kg
		Edifenphos		0.01 mg/kg to 50 mg/kg
		Emmamectin benzoate		0.01 mg/kg to 50 mg/kg
		Endosulfan beta		0.01 mg/kg to 50 mg/kg
		Endosulfan sulphate		0.01 mg/kg to 50 mg/kg
		Endosulfan-alpha		0.01 mg/kg to 50 mg/kg
		Endrin		0.01 mg/kg to 50 mg/kg
		Ethion		0.01 mg/kg to 50 mg/kg
		Ethofenprox		0.01 mg/kg to 50 mg/kg
		Fenitrothion		0.01 mg/kg to 50 mg/kg
		Fenobucarb		0.01 mg/kg to 50 mg/kg
		Fenoxaprop p ethyl		0.01 mg/kg to 50 mg/kg
		Fenpropathrin		0.01 mg/kg to 50 mg/kg
		Fenthion		0.01 mg/kg to 50 mg/kg

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		Fenvalerate		0.01 mg/kg to 50 mg/kg
		HCH - Alpha		0.01 mg/kg to 50 mg/kg
		HCH - Beta		0.01 mg/kg to 50 mg/kg
		HCH - Delta		0.01 mg/kg to 50 mg/kg
		Heptachlor		0.01 mg/kg to 50 mg/kg
		Hexaconazole		0.01 mg/kg to 50 mg/kg
		Hexythiozox		0.01 mg/kg to 50 mg/kg
		Imidacloprid		0.01 mg/kg to 50 mg/kg
		Iprobenfos		0.01 mg/kg to 50 mg/kg
		Isoproturon		0.01 mg/kg to 50 mg/kg
		Lambda - Cyhalothrin		0.01 mg/kg to 50 mg/kg
		Lindane		0.01 mg/kg to 50 mg/kg
		Linuron		0.01 mg/kg to 50 mg/kg
		Malathion		0.01 mg/kg to 50 mg/kg
		Metalaxyl		0.01 mg/kg to 50 mg/kg
		Methomyl		0.01 mg/kg to 50 mg/kg
		Methoxy Fenozide		0.01 mg/kg to 50 mg/kg
		Methyl Parathion		0.01 mg/kg to 50 mg/kg
		Metolachlor		0.01 mg/kg to 50 mg/kg
		Metribuzin		0.01 mg/kg to 50 mg/kg
		Monocrotophos		0.01 mg/kg to 50 mg/kg
		Myclobutanil		0.01 mg/kg to 50 mg/kg
		Omethoate		0.01 mg/kg to 50 mg/kg
		Paclobutrazol		0.01 mg/kg to 50 mg/kg
		Parathion ethyl		0.01 mg/kg to 50 mg/kg
		Penconazole		0.01 mg/kg to 50 mg/kg
		Pendimethalin		0.01 mg/kg to 50 mg/kg
		Permethrin		0.01 mg/kg to 50 mg/kg
		Phenol, 4-bromo-2-chloro-		0.01 mg/kg to 50 mg/kg
		Phorate		0.01 mg/kg to 50 mg/kg
		Phosalone		0.01 mg/kg to 50 mg/kg



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		Phosmet		0.01 mg/kg to 50 mg/kg
		Phosphamidon		0.01 mg/kg to 50 mg/kg
		Pretilachlor		0.01 mg/kg to 50 mg/kg
		Profenofos		0.01 mg/kg to 50 mg/kg
		Propanil		0.01 mg/kg to 50 mg/kg
		Propiconazole		0.01 mg/kg to 50 mg/kg
		Propoxur		0.01 mg/kg to 50 mg/kg
		Quinalphos		0.01 mg/kg to 50 mg/kg
		Simazine		0.01 mg/kg to 50 mg/kg
		Spinosad		0.01 mg/kg to 50 mg/kg
		Tau-Fluvalinate		0.01 mg/kg to 50 mg/kg
		Tebuconazole		0.01 mg/kg to 50 mg/kg
		Thiacloprid		0.01 mg/kg to 50 mg/kg
		Thiamethoxam		0.01 mg/kg to 50 mg/kg
		Thiobencarb		0.01 mg/kg to 50 mg/kg
		Thiodicarb		0.01 mg/kg to 50 mg/kg
		Thiophanate methyl		0.01 mg/kg to 50 mg/kg
		Transfluthrin		0.01 mg/kg to 50 mg/kg
		Triademefon		0.01 mg/kg to 50 mg/kg
		Triademenol		0.01 mg/kg to 50 mg/kg
		Triallate		0.01 mg/kg to 50 mg/kg
		Triazophos		0.01 mg/kg to 50 mg/kg
		Tricyclazole		0.01 mg/kg to 50 mg/kg
		Trifluralin		0.01 mg/kg to 50 mg/kg
<b>2.</b>	<b>Cereals &amp; Pulses</b>	Acephate	In-house Validated method SOP/QP/PFRAC/102 - GCMS-MS & LCMS-MS based on AOAC 2007.01 (2012) Date of Issue : 01/07/2015 Rev.No. 01	0.01 mg/kg to 50 mg/kg
		Acetamiprid		0.01 mg/kg to 50 mg/kg
		Alachlor		0.01 mg/kg to 50 mg/kg
		Aldrin		0.01 mg/kg to 50 mg/kg
		Alpha Cypermethrin		0.01 mg/kg to 50 mg/kg
		Alpha HCH		0.01 mg/kg to 50 mg/kg
		Anilofos		0.01 mg/kg to 50 mg/kg

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		Atrazine		0.01 mg/kg to 50 mg/kg
		Azoxystrobin		0.01 mg/kg to 50 mg/kg
		Benalaxyl		0.01 mg/kg to 50 mg/kg
		Benalaxyl-M		0.01 mg/kg to 50 mg/kg
		Bendiocarb		0.01 mg/kg to 50 mg/kg
		Bensulfuron methyl		0.01 mg/kg to 50 mg/kg
		Beta Cyfluthrin		0.01 mg/kg to 50 mg/kg
		Beta HCH		0.01 mg/kg to 50 mg/kg
		Bifenazate		0.01 mg/kg to 50 mg/kg
		Bifenthrin		0.01 mg/kg to 50 mg/kg
		Bitertenol		0.01 mg/kg to 50 mg/kg
		Buprofezin		0.01 mg/kg to 50 mg/kg
		Butachlor		0.01 mg/kg to 50 mg/kg
		Carbaryl		0.01 mg/kg to 50 mg/kg
		Carbendazim		0.01 mg/kg to 50 mg/kg
		Carbofuran		0.01 mg/kg to 50 mg/kg
		Carbofuran-3-hydroxy		0.01 mg/kg to 50 mg/kg
		Carboxin		0.01 mg/kg to 50 mg/kg
		Chlorantraniliprole		0.01 mg/kg to 50 mg/kg
		Chlorfenvinphos		0.01 mg/kg to 50 mg/kg
		Chlorothalonil		0.01 mg/kg to 50 mg/kg
		Chlorpropham		0.01 mg/kg to 50 mg/kg
		Chlorpyrifos		0.01 mg/kg to 50 mg/kg
		Chlorpyrifos Methyl		0.01 mg/kg to 50 mg/kg
		Chlothianidin		0.01 mg/kg to 50 mg/kg
		Clodinafop-Propagyl Ester		0.01 mg/kg to 50 mg/kg
		Clomazone		0.01 mg/kg to 50 mg/kg
		Coumatetralyl		0.01 mg/kg to 50 mg/kg
		Cyfluthrin		0.01 mg/kg to 50 mg/kg
		Cymoxanil		0.01 mg/kg to 50 mg/kg
		Delta HCH		0.01 mg/kg to 50 mg/kg

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Deltamethrin		0.01 mg/kg to 50 mg/kg
		Demethon-S-methyl sulfone		0.01 mg/kg to 50 mg/kg
		Diazinon		0.01 mg/kg to 50 mg/kg
		Dichlorvos		0.01 mg/kg to 50 mg/kg
		Dicofol		0.01 mg/kg to 50 mg/kg
		Diclofop-Methyl		0.01 mg/kg to 50 mg/kg
		Difenconazole		0.01 mg/kg to 50 mg/kg
		Difenthiuron		0.01 mg/kg to 50 mg/kg
		Dimethoate		0.01 mg/kg to 50 mg/kg
		Diuron		0.01 mg/kg to 50 mg/kg
		Edifenphos		0.01 mg/kg to 50 mg/kg
		Endosulfan		0.01 mg/kg to 50 mg/kg
		Endosulfan Sulphate		0.01 mg/kg to 50 mg/kg
		Endrin		0.01 mg/kg to 50 mg/kg
		Esfenvalerate		0.01 mg/kg to 50 mg/kg
		Ethion		0.01 mg/kg to 50 mg/kg
		Ethofenprox		0.01 mg/kg to 50 mg/kg
		Fenamidone		0.01 mg/kg to 50 mg/kg
		Fenarimol		0.01 mg/kg to 50 mg/kg
		Fenitrothion		0.01 mg/kg to 50 mg/kg
		Fenobucarb		0.01 mg/kg to 50 mg/kg
		Fenoxaprop-p-Ethyl		0.01 mg/kg to 50 mg/kg
		Fenpropathrin		0.01 mg/kg to 50 mg/kg
		Fenpyroximate		0.01 mg/kg to 50 mg/kg
		Fenthion		0.01 mg/kg to 50 mg/kg
		Fenvalerate		0.01 mg/kg to 50 mg/kg
		Fipronil		0.01 mg/kg to 50 mg/kg
		Fipronil Sulfone		0.01 mg/kg to 50 mg/kg
		Flubendiamide		0.01 mg/kg to 50 mg/kg
		Fluchloralin		0.01 mg/kg to 50 mg/kg

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Flufenacet		0.01 mg/kg to 50 mg/kg
		Flufenoxuron		0.01 mg/kg to 50 mg/kg
		Flusilazole		0.01 mg/kg to 50 mg/kg
		Heptachlor		0.01 mg/kg to 50 mg/kg
		Hexaconazole		0.01 mg/kg to 50 mg/kg
		Hexazinone		0.01 mg/kg to 50 mg/kg
		Hexythiazox		0.01 mg/kg to 50 mg/kg
		Imidacloprid		0.01 mg/kg to 50 mg/kg
		Indoxacarb		0.01 mg/kg to 50 mg/kg
		Iprobenfos		0.01 mg/kg to 50 mg/kg
		Iprovalicarb		0.01 mg/kg to 50 mg/kg
		Kresoxim Methyl		0.01 mg/kg to 50 mg/kg
		Lambda Cyhalothrin		0.01 mg/kg to 50 mg/kg
		Lindane/ Gamma-HCH		0.01 mg/kg to 50 mg/kg
		Linuron		0.01 mg/kg to 50 mg/kg
		Lufenuron		0.01 mg/kg to 50 mg/kg
		Malathion		0.01 mg/kg to 50 mg/kg
		Mandipropamid		0.01 mg/kg to 50 mg/kg
		Mesosulfuron-Methyl		0.01 mg/kg to 50 mg/kg
		Metalaxyl		0.01 mg/kg to 50 mg/kg
		Methyl Parathion		0.01 mg/kg to 50 mg/kg
		Metolachlor		0.01 mg/kg to 50 mg/kg
		Monocrotophos		0.01 mg/kg to 50 mg/kg
		Myclobutanil		0.01 mg/kg to 50 mg/kg
		Novaluron		0.01 mg/kg to 50 mg/kg
		Oxydemeton-Methyl		0.01 mg/kg to 50 mg/kg
		4,4 - DDD		0.01 mg/kg to 50 mg/kg
		4,4-DDE		0.01 mg/kg to 50 mg/kg
		2,4-DDT		0.01 mg/kg to 50 mg/kg
		4,4- DDT		0.01 mg/kg to 50 mg/kg
		Paclobutrazol		0.01 mg/kg to 50 mg/kg

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Parathion Ethyl		0.01 mg/kg to 50 mg/kg
		Penconazole		0.01 mg/kg to 50 mg/kg
		Pencycuron		0.01 mg/kg to 50 mg/kg
		Pendimethalin		0.01 mg/kg to 50 mg/kg
		Phenthoate		0.01 mg/kg to 50 mg/kg
		Phorate		0.01 mg/kg to 50 mg/kg
		Phosalone		0.01 mg/kg to 50 mg/kg
		Phosphamidon		0.01 mg/kg to 50 mg/kg
		Pirimiphos methyl		0.01 mg/kg to 50 mg/kg
		Pretilachor		0.01 mg/kg to 50 mg/kg
		Procymidone		0.01 mg/kg to 50 mg/kg
		Profenofos		0.01 mg/kg to 50 mg/kg
		Propanil		0.01 mg/kg to 50 mg/kg
		Propiconazole		0.01 mg/kg to 50 mg/kg
		Propoxur		0.01 mg/kg to 50 mg/kg
		Pyrachlostrobin		0.01 mg/kg to 50 mg/kg
		Pyriproxyfen		0.01 mg/kg to 50 mg/kg
		Quinalphos		0.01 mg/kg to 50 mg/kg
		Quizalfop-Ethyl		0.01 mg/kg to 50 mg/kg
		Simazine		0.01 mg/kg to 50 mg/kg
		Spinosad A & B		0.01 mg/kg to 50 mg/kg
		Spiromesifen		0.01 mg/kg to 50 mg/kg
		Tau-Fluvalinate		0.01 mg/kg to 50 mg/kg
		Tebuconazole		0.01 mg/kg to 50 mg/kg
		Thiacloprid		0.01 mg/kg to 50 mg/kg
		Thiamethoxam		0.01 mg/kg to 50 mg/kg
		Thiobencarb		0.01 mg/kg to 50 mg/kg
		Thiodicarb		0.01 mg/kg to 50 mg/kg
		Thiomethoxam		0.01 mg/kg to 50 mg/kg
		Thiophanate methyl		0.01 mg/kg to 50 mg/kg
		Transfluthrin		0.01 mg/kg to 50 mg/kg

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Triadimefon		0.01 mg/kg to 50 mg/kg
		Triadimenol		0.01 mg/kg to 50 mg/kg
		Triallate		0.01 mg/kg to 50 mg/kg
		Triazophos		0.01 mg/kg to 50 mg/kg
		Trichlorfon		0.01 mg/kg to 50 mg/kg
		Tricyclazole		0.01 mg/kg to 50 mg/kg
		Trifloxistrobin		0.01 mg/kg to 50 mg/kg
		Trifluralin		0.01 mg/kg to 50 mg/kg
<b>3.</b>	<b>Spices &amp; Condiments</b>	Acephate	In-house Validated method SOP/QP/PFRAC/108 – GCMS-MS & LCMS-MS based on AOAC 2007.01 (2012) Date of Issue: 1/07/2015 Rev.No. 02	0.01 mg/kg to 50 mg/kg
		Acetamiprid		0.01 mg/kg to 50 mg/kg
		Alachlor		0.01 mg/kg to 50 mg/kg
		Aldrin		0.01 mg/kg to 50 mg/kg
		alpha HCH		0.01 mg/kg to 50 mg/kg
		Anilofos		0.01 mg/kg to 50 mg/kg
		Atrazine		0.01 mg/kg to 50 mg/kg
		Azoxystrobin		0.01 mg/kg to 50 mg/kg
		Benalaxyl		0.01 mg/kg to 50 mg/kg
		Benalaxyl-M		0.01 mg/kg to 50 mg/kg
		Bendiocarb		0.01 mg/kg to 50 mg/kg
		Bensulfuron methyl		0.01 mg/kg to 50 mg/kg
		Beta Cyfluthrin		0.01 mg/kg to 50 mg/kg
		Beta HCH		0.01 mg/kg to 50 mg/kg
		Bifenazate		0.01 mg/kg to 50 mg/kg
	Bifenthrin	0.01 mg/kg to 50 mg/kg		
	Bitertanol	0.01 mg/kg to 50 mg/kg		
	Buprofezin	0.01 mg/kg to 50 mg/kg		
	Butachlor	0.01 mg/kg to 50 mg/kg		
	Carbaryl	0.01 mg/kg to 50 mg/kg		
	Carbendazim	0.01 mg/kg to 50 mg/kg		
	Carbofuran	0.01 mg/kg to 50 mg/kg		
	Carbofuran-3-hydroxy	0.01 mg/kg to 50 mg/kg		

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Carboxin		0.01 mg/kg to 50 mg/kg
		Chlorantraniliprole		0.01 mg/kg to 50 mg/kg
		Chlorfenvinphos		0.01 mg/kg to 50 mg/kg
		Chlorothalonil		0.01 mg/kg to 50 mg/kg
		chlorpropham		0.01 mg/kg to 50 mg/kg
		Chlorpyrifos		0.01 mg/kg to 50 mg/kg
		Chlorpyrifos methyl		0.01 mg/kg to 50 mg/kg
		Clothianidin		0.01 mg/kg to 50 mg/kg
		Clodinafop-Propagyl ester		0.01 mg/kg to 50 mg/kg
		Clomazone		0.01 mg/kg to 50 mg/kg
		Coumatetralyl		0.01 mg/kg to 50 mg/kg
		Cyfluthrin		0.01 mg/kg to 50 mg/kg
		Cymoxanil		0.01 mg/kg to 50 mg/kg
		Cypermethrin		0.01 mg/kg to 50 mg/kg
		Delta HCH		0.01 mg/kg to 50 mg/kg
		Deltamethrin		0.01 mg/kg to 50 mg/kg
		Demethon-S-methyl		0.01 mg/kg to 50 mg/kg
		Diazinon		0.01 mg/kg to 50 mg/kg
		Dichlorvos		0.01 mg/kg to 50 mg/kg
		Dicofol		0.01 mg/kg to 50 mg/kg
		Diclofop-methyl		0.01 mg/kg to 50 mg/kg
		Difenconazole		0.01 mg/kg to 50 mg/kg
		Difenthiuron		0.01 mg/kg to 50 mg/kg
		Dimethoate		0.01 mg/kg to 50 mg/kg
		Diuron		0.01 mg/kg to 50 mg/kg
		Edifenphos		0.01 mg/kg to 50 mg/kg
		Endosulfan alpha & beta		0.01 mg/kg to 50 mg/kg
		Endosulfan Sulphate		0.01 mg/kg to 50 mg/kg
		Endrin		0.01 mg/kg to 50 mg/kg
		Esfenvalerate		0.01 mg/kg to 50 mg/kg
		Ethion		0.01 mg/kg to 50 mg/kg

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Etofenprox		0.01 mg/kg to 50 mg/kg
		Fenamidone		0.01 mg/kg to 50 mg/kg
		Fenarimol		0.01 mg/kg to 50 mg/kg
		Fenitrothion		0.01 mg/kg to 50 mg/kg
		Fenobucarb		0.01 mg/kg to 50 mg/kg
		Fenoxaprop-p-ethyl		0.01 mg/kg to 50 mg/kg
		Fenpropathrin		0.01 mg/kg to 50 mg/kg
		Fenpyroximate		0.01 mg/kg to 50 mg/kg
		Fenthion		0.01 mg/kg to 50 mg/kg
		Fenvalerate		0.01 mg/kg to 50 mg/kg
		Fipronil		0.01 mg/kg to 50 mg/kg
		Fipronil Sulfone		0.01 mg/kg to 50 mg/kg
		Flubendiamide		0.01 mg/kg to 50 mg/kg
		Fluchloralin		0.01 mg/kg to 50 mg/kg
		Flufenacet		0.01 mg/kg to 50 mg/kg
		Flufenoxuron		0.01 mg/kg to 50 mg/kg
		Flusilazole		0.01 mg/kg to 50 mg/kg
		Heptachlor		0.01 mg/kg to 50 mg/kg
		Hexaconazole		0.01 mg/kg to 50 mg/kg
		Hexazinone		0.01 mg/kg to 50 mg/kg
		Hexythiazox		0.01 mg/kg to 50 mg/kg
		Imidacloprid		0.01 mg/kg to 50 mg/kg
		Indoxacarb		0.01 mg/kg to 50 mg/kg
		Iprobenfos		0.01 mg/kg to 50 mg/kg
		Iprovalicarb		0.01 mg/kg to 50 mg/kg
		Kresoxim methyl		0.01 mg/kg to 50 mg/kg
		Lambda cyhalothrin		0.01 mg/kg to 50 mg/kg
		Lindane/Gamma-HCH		0.01 mg/kg to 50 mg/kg
		Linuron		0.01 mg/kg to 50 mg/kg
		Lufenuron		0.01 mg/kg to 50 mg/kg
		Malathion		0.01 mg/kg to 50 mg/kg



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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Mandipropamid		0.01 mg/kg to 50 mg/kg
		Mesosulfuron-Methyl		0.01 mg/kg to 50 mg/kg
		Metalaxyl		0.01 mg/kg to 50 mg/kg
		Methyl Parathion		0.01 mg/kg to 50 mg/kg
		Metolachlor		0.01 mg/kg to 50 mg/kg
		Monocrotophos		0.01 mg/kg to 50 mg/kg
		Myclobutanil		0.01 mg/kg to 50 mg/kg
		Novaluron		0.01 mg/kg to 50 mg/kg
		Oxydemeton-Methyl		0.01 mg/kg to 50 mg/kg
		p,p - DDD		0.01 mg/kg to 50 mg/kg
		p,p - DDE		0.01 mg/kg to 50 mg/kg
		o,p - DDT		0.01 mg/kg to 50 mg/kg
		p,p - DDT		0.01 mg/kg to 50 mg/kg
		Paclbutrazol		0.01 mg/kg to 50 mg/kg
		Parathion Ethyl		0.01 mg/kg to 50 mg/kg
		Penconazole		0.01 mg/kg to 50 mg/kg
		Pencycuron		0.01 mg/kg to 50 mg/kg
		Pendimethalin		0.01 mg/kg to 50 mg/kg
		Phenthoate		0.01 mg/kg to 50 mg/kg
		Phorate		0.01 mg/kg to 50 mg/kg
		Phosalone		0.01 mg/kg to 50 mg/kg
		Phosphamidon		0.01 mg/kg to 50 mg/kg
		Pirimiphos methyl		0.01 mg/kg to 50 mg/kg
		Pretilachor		0.01 mg/kg to 50 mg/kg
		Procymidone		0.01 mg/kg to 50 mg/kg
		Profenofos		0.01 mg/kg to 50 mg/kg
		Propanil		0.01 mg/kg to 50 mg/kg
		Propiconazole		0.01 mg/kg to 50 mg/kg
		Propoxur		0.01 mg/kg to 50 mg/kg
		Pyrachlostrobin		0.01 mg/kg to 50 mg/kg
		Pyriproxyfen		0.01 mg/kg to 50 mg/kg

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Quinalphos		0.01 mg/kg to 50 mg/kg
		Quizalofop-Ethyl		0.01 mg/kg to 50 mg/kg
		Simazine		0.01 mg/kg to 50 mg/kg
		Spinosad A & B		0.01 mg/kg to 50 mg/kg
		Spiromesifen		0.01 mg/kg to 50 mg/kg
		Tau-Fluvalinate		0.01 mg/kg to 50 mg/kg
		Tebuconazole		0.01 mg/kg to 50 mg/kg
		Thiacloprid		0.01 mg/kg to 50 mg/kg
		Thiamethoxam		0.01 mg/kg to 50 mg/kg
		Thiobencarb		0.01 mg/kg to 50 mg/kg
		Thiodicarb		0.01 mg/kg to 50 mg/kg
		Thiomethoxam		0.01 mg/kg to 50 mg/kg
		Thiophanate methyl		0.01 mg/kg to 50 mg/kg
		Transfluthrin		0.01 mg/kg to 50 mg/kg
		Triadimefon		0.01 mg/kg to 50 mg/kg
		Triadimenol		0.01 mg/kg to 50 mg/kg
		Triallate		0.01 mg/kg to 50 mg/kg
		Triazophos		0.01 mg/kg to 50 mg/kg
		Trichlorfon		0.01 mg/kg to 50 mg/kg
		Tricyclazole		0.01 mg/kg to 50 mg/kg
		Trifloxistrobin		0.01 mg/kg to 50 mg/kg
		Trifluralin		0.01 mg/kg to 50 mg/kg
<b>IV.</b>	<b>SYNTHETIC PESTICIDE AND THEIR FORMULATION</b>			
<b>1.</b>	<b>Endosulfan Tech</b>	Active Ingredient	Appendix A of IS 4344:1978 (RA 2007)	2 % to 99.5 %
<b>2.</b>	<b>Endosulfan EC</b>	Active Ingredient	Appendix A of IS 4344:1978 (RA 2007)	2 % to 50 %
<b>3.</b>	<b>Monocrotophos Tech</b>	Active Ingredient	Appendix B of IS 8025:1990 (RA 2007)	2 % to 99.5 %

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
4.	Monocrotophos SL	Active Ingredient	Appendix B of IS 8025:1990 (RA 2007)	2 % to 50 %
5.	Phorate Tech	Active Ingredient	Appendix A of IS 7976:1976 (RA 2007)	2 % to 99.5 %
6.	Phorate Encapsulated Granules	Active Ingredient	Appendix A of IS 7976:1976 (RA 2007)	2 % to 20 %
7.	Cypermethrin Tech	Active Ingredient	Appendix A of IS 12015:1987 (RA 2007)	2 % to 99.5%
8.	Cypermethrin EC	Active Ingredient	Appendix A of IS 12015:1987 (RA 2007)	2 % to 50 %
9.	Fenvalerate Tech	Active Ingredient	Appendix A of IS 12003:1987 (RA 2007)	2 % to 99.5 %
10.	Fenvalerate EC	Active Ingredient	Appendix A of IS 12003:1987 (RA 2007)	2 % to 30 %
11.	Quinalphos Tech	Active Ingredient	Appendix A of IS 8072:1984 (RA 2007)	2 % to 99.5 %
12.	Quinalphos AF	Active Ingredient	Appendix A of IS 8072:1984 (RA 2007)	2 % to 50 %
13.	Quinalphos EC	Active Ingredient	Appendix A of IS 8072:1984 (RA 2007)	2 % to 50 %
14.	Profenofos Tech	Active Ingredient	Annex A of IS 15238:2002 (RA 2009)	2 % to 99.5 %
15.	Profenofos EC	Active Ingredient	Annex A of IS 15238:2002 (RA 2009)	2 % to 70 %
16.	Deltamethrin Tech	Active Ingredient	Appendix A of IS 12005:1987 (RA 2007)	2 % to 99.5 %
17.	Deltamethrin WP	Active Ingredient	Appendix A of IS 12005:1987 (RA 2007)	2 % to 20 %
18.	Deltamethrin EC	Active Ingredient	Appendix A of IS 12005:1987 (RA 2007)	2 % to 20 %

Battal Singh  
Convenor

N. Venkateswaran  
Program Manager

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
19.	Imidacloprid Tech	Active Ingredient	Annex A of IS 15443:2004 (RA 2009)	2 % to 99.5 %
20.	Imidacloprid SL	Active Ingredient	Annex A of IS 15443:2004 (RA 2009)	2 % to 40 %
21.	Imidacloprid WS	Active Ingredient	Annex A of IS 15443:2004 (RA 2009)	2 % to 80 %
22.	Acetamiprid Tech	Active Ingredient	15981-2013 (October, 2013)	2 % to 99.5 %
23.	Acetamiprid SP	Active Ingredient	15981-2013 (October, 2013)	2 % to 40 %
24.	Carbendazim Tech	Active Ingredient	Annex B of IS 8445:1991 (RA 2007)	2 % to 99.5 %
25.	Carbendazim WP	Active Ingredient	Annex B of IS 8445:1991 (RA 2007)	2 % to 70 %
26.	Chlorpyrifos Tech	Active Ingredient	Annex A of IS 8963:2006 (RA 2010)	2 % to 99.5 %
27.	Chlorpyrifos EC	Active Ingredient	Annex A of IS 8963:2006 (RA 2010)	2 % to 60 %
28.	Hexaconazole Tech	Active Ingredient	Annex A of IS 14549:1998 (RA 2009)	2 % to 99.5 %
29.	Hexaconazole EC	Active Ingredient	Annex A of IS 14549:1998 (RA 2009)	2 % to 40 %
30.	Hexaconazole SC	Active Ingredient	Annex A of IS 14549:1998 (RA 2009)	2 % to 40 %
31.	Ethion Tech	Active Ingredient	Appendix A of IS 10369:1982 (RA 2009)	2 % to 99.5 %
32.	Ethion EC	Active Ingredient	Appendix A of IS 10369:1982 (RA 2009)	2 % to 70 %
33.	Cypermethrin+ Chlorpyrifos EC	Cypermethrin Content	Annex A of IS 15235:2002	2 % to 20 %
		Chlorpyrifos Content	Annex A of IS 15235:2002	2 % to 60 %

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
34.	Lambda Cyhalothrin Tech	Active Ingredient	Annex A of IS 14509:1997 (RA 2007)	2 % to 99.5 %
35.	Lambda Cyhalothrin EC; WP	Active Ingredient	Annex A of IS 14509:1997 (RA 2007)	2 % to 20 %
36.	Alpha-Cypermethrin Tech	Active Ingredient	Annex A of IS 15616:2006 (RA 2010)	2 % to 99.5 %
37.	Alpha-Cypermethrin EC	Active Ingredient	Annex A of IS 15616:2006 (RA 2010)	2 % to 25 %
38.	Lindane Tech	Active Ingredient	Appendix A of IS 882:1984 (RA 1998)	2 % to 99.5 %
39.	Lindane EC	Active Ingredient	Appendix A of IS 882:1984 (RA 1998)	2 % to 40 %
40.	Lindane WP	Active Ingredient	Appendix A of IS 882:1984 (RA 1998)	2 % to 40 %
41.	Lindane Dust	Active Ingredient	Appendix A of IS 882:1984 (RA 1998)	2 % to 70 %
42.	Copper Oxy Chloride Tech	Active Ingredients	Appendix A of IS 1506:1977 (RA 2007)	2 % to 80 %
43.	Copper Oxy Chloride WP	Active Ingredient	Appendix A of IS 1506:1977 (RA 2007)	2 % to 60 %
44.	Carbofuran Tech	Active Ingredient	IS 11019:1984 (RA 2004)	2 % to 99.5 %
45.	Carbofuran Encapsulated Granules	Active Ingredient	IS 9360:1980 (RA 2007)	1 % to 20 %
46.	Sulphur DP	Active Ingredient	IS 6444:1979 (RA 2002)	2 % to 90 %
47.	Sulphur WP	Active Ingredient	IS 6444:1979 (RA 2002)	2 % to 90 %
48.	Sulphur Tech	Active Ingredient	IS 6444:1979 (RA 2002)	2 % to 99.5 %
49.	2,4 - D Sodium Salt Tech	Active Ingredient	IS 1488:1989 (RA 2009)	2 % to 99.5 %

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
50.	Cartap Hydrochloride Tech	Active Ingredient	IS 14159:1994 (RA 2009)	2 % to 99.5 %
51.	Cartap Hydrochloride Granules	Active Ingredient	IS 14159:1994 (RA 2009)	2 % to 20 %
52.	Cartap Hydrochloride SP	Active Ingredient	IS 14159:1994 (RA 2009)	2 % to 60 %
53.	Glyphosate Tech	Active Ingredient	IS 12502:1988 (RA 2009)	2 % to 99.5 %
54.	Glyphosate SL	Active Ingredient	IS 12502:1988 (RA 2009)	2 % to 60 %
55.	Dichlorvos Tech	Active Ingredient	IS 4929:1978 (RA 2007)	2 % to 99.5 %
56.	Dichlorvos EC	Active Ingredient	IS 5277:1978 (RA 2007)	2 % to 90 %
57.	Propiconazole Tech	Active Ingredient	IS 15241:2002 (RA 2009)	2 % to 99.5 %
58.	Propiconazole EC	Active Ingredient	IS 15241:2002 (RA 2009)	2 % to 50 %
59.	Tebuconazole Tech	Active Ingredient	IS 15165:2002 (RA 2009)	2 % to 99.5 %
60.	Tebuconazole DS	Active Ingredient	IS 15159:2002 (RA 2009)	2 % to 20 %
61.	Tricyclazole Tech	Active Ingredient	SOP/PFRAC/253 Laboratory Validated Method using HPLC Date of Issue: 01/09/18 Rev.No. 00	2 % to 99.5 %
62.	Tricyclazole WP	Active Ingredient	SOP/PFRAC/253 Laboratory Validated Method using GC-FID Date of Issue: 27/01/2014 Rev.No. 01	2 % to 90 %
63.	Pretilachlor Tech	Active Ingredient	IS 15158:2002 (RA 2009)	2 % to 99.5 %
64.	Pretilachlor EC	Active Ingredient	IS 15158:2002 (RA 2009)	2 % to 60 %

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65.	Isoprothiolane Tech	Active Ingredient	IS 15163:2002 (RA 2009)	2 % to 99.5 %
66.	Isoprothiolane EC	Active Ingredient	IS 15163:2002 (RA 2009)	2 % to 60 %
67.	Thiophanate Methyl Tech	Active Ingredient	IS 14551:1998 (RA 2009)	2 % to 99.5 %
68.	Thiophanate Methyl WP	Active Ingredient	IS 14551:1998 (RA 2009)	2 % to 90 %
69.	Fipronil Tech	Active Ingredient	SOP/PFRAC/244 Laboratory Validated Method using HPLC Date of Issue: 01/01/2014 Rev.No. 00	2 % to 99.5 %
70.	Fipronil SC	Active Ingredient	16145:2013 (December, 2013)	2 % to 20 %
71.	Fipronil GR	Active Ingredient	16145:2013 (December, 2013)	0.05 % to 10 %
72.	Emmamectin Benzoate Tech	Active Ingredient	SOP/PFRAC/245 Laboratory Validated Method using HPLC Date of Issue: 01/08/2014 Rev.No. 01	2 % to 99.5 %
73.	Emmamectin Benzoate SG	Active Ingredient	SOP/PFRAC/245 Laboratory Validated Method using HPLC Date of Issue: 01/08/2014 Rev.No. 01	2 % to 20 %
74.	Emmamectin Benzoate EC	Active Ingredient	SOP/PFRAC/245 Laboratory Validated Method using HPLC Date of Issue: 01/08/2014 Rev.No. 01	2 % to 20 %

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75.	Atrazine Tech	Active Ingredient	IS 12932:1990 (RA 2007)	2 % to 99.5 %
76.	Atrazine WP	Active Ingredient	IS 12932:1990 (RA 2007)	2 % to 60 %
77.	Thiamethoxam Tech	Active Ingredient	IS 15983:2013	2 % to 99.5 %
78.	Thiamethoxam WG	Active Ingredient	IS 15983:2013	2 % to 60 %
79.	General Tests of Pesticides	Acidity or alkalinity	Clause.11.3 of IS 6940:1982 (RA 2007)	0.01 % to 5.0 %
		Emulsion Stability	Clause13.3 of IS 6940:1982 (RA 2007)	Qualitative
		Cold Test,	Clause.13.1 of IS 6940:1982 (RA 2007)	Qualitative
		Suspensibility	Clause.11.2 of IS 6940:1982 (RA 2007)	10 % to 95 %
		Material insoluble in acetone	Clause.9 of IS 6940:1982 (RA 2007)	0.1 % to 10 %
		Attrition Test	Clause.14.11 of IS 6940:1982 (RA 2007)	0.1 % to 20 %
		Water run-off	Annex B of IS 9359:1995 (RA 2001)	0.1 % to 20 %
		Sieve Test	Clause.11.1 & 12.1 of IS 6940:1982 (RA 2007)	0.1 % to 100 %
		Flash Point	IS 1448 (Part 20): 1960	20 °C to 30 °C

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