

Laboratory	Pesticide Residue Analysis Laboratory, Regional Plant Quarantine Station, Haji Bunder Road, Sewari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	13.01.2015
Certificate Number	T-1876	Valid Until	12.01.2017
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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.	FOODS & AGRICULTURAL PRODUCTS			
1.	Pesticides residues in food			
a.	Pesticide residue Analysis in Vegetables	Organochlorine		
		α - HCH	RPQSM-PRL-SOP-6	10 μ g/kg to 1000 μ g/kg
		β - HCH	Issue No.: 04	10 μ g/kg to 1000 μ g/kg
		γ - HCH	Issue Date: 05.03.2014	10 μ g/kg to 1000 μ g/kg
		Lindane	(Analysis method adopted from	10 μ g/kg to 1000 μ g/kg
		Dicofol	CDFA- 2008 & AOAC -2007.01)	10 μ g/kg to 1000 μ g/kg
		α -Endosulfan		10 μ g/kg to 1000 μ g/kg
		β -Endosulfan		10 μ g/kg to 1000 μ g/kg
		Endosulfan sulfate		10 μ g/kg to 1000 μ g/kg
		pp- DDD		10 μ g/kg to 1000 μ g/kg
		pp- DDT		10 μ g/kg to 1000 μ g/kg
		PP-DDE		10 μ g/kg to 1000 μ g/kg
		Organophosphate		
		Chlorpyrifos	RPQSM-PRL-SOP-6	10 μ g/kg to 1000 μ g/kg
		Acephate	Issue No.: 04	50 μ g/kg to 5000 μ g/kg
		Dichlorvos	Issue Date: 05.03.2014	50 μ g/kg to 5000 μ g/kg
		Dimethoate	(Analysis method adopted from	50 μ g/kg to 5000 μ g/kg
		Ethion	CDFA- 2008 & AOAC -2007.01)	50 μ g/kg to 5000 μ g/kg
		Methamidaphos		50 μ g/kg to 5000 μ g/kg
		Malathion		50 μ g/kg to 5000 μ g/kg
		Methyl parathion		50 μ g/kg to 5000 μ g/kg
		Monocrotophos		50 μ g/kg to 5000 μ g/kg
		Phosphamidon		50 μ g/kg to 5000 μ g/kg
		Quinalphos		50 μ g/kg to 5000 μ g/kg
		Traizophos		50 μ g/kg to 5000 μ g/kg
		Phorate		50 μ g/kg to 5000 μ g/kg
		Profenofos		50 μ g/kg to 1000 μ g/kg

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	Pesticide residue Analysis in Vegetables	O-methoate	RPQSM-PRL-SOP-6	50 µg/kg to 1000 µg/kg
		Diazinon	Issue No.: 04	50 µg/kg to 1000 µg/kg
		Chlorfenvinphos	Issue Date: 05.03.2014	50 µg/kg to 1000 µg/kg
		Iprobenfos	(Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Trichlorfon		50 µg/kg to 1000 µg/kg
		Synthetic Pyrethroids		
		Fenvalerate	RPQSM-PRL-SOP-6	10 µg/kg to 1000 µg/kg
		A-Cypermethrin	Issue No.: 04	10 µg/kg to 1000 µg/kg
		Deltamethrin	Issue Date: 05.03.2014	10 µg/kg to 1000 µg/kg
		Fenpropathrin	(Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	10 µg/kg to 1000 µg/kg
		Bifenthrin		10 µg/kg to 1000 µg/kg
		L-Cyhalothrin		10 µg/kg to 1000 µg/kg
		Fluvalinate		10 µg/kg to 1000 µg/kg
		Carbamates		
		Carbofuran	RPQSM-PRL-SOP-6	10 µg/kg to 1000 µg/kg
		Carbaryl	Issue No.: 04	10 µg/kg to 1000 µg/kg
		3-Hydroxy carbofuran	Issue Date: 05.03.2014	10 µg/kg to 1000 µg/kg
		Methomyl	(Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	10 µg/kg to 1000 µg/kg
		Thiodicarb		10 µg/kg to 1000 µg/kg
		Imidacloprid		10 µg/kg to 1000 µg/kg
		Iprovalicard		50 µg/kg to 1000 µg/kg
		Herbicides		
		Dinitroaniline Herbicides		
		Pendimethalin	RPQSM-PRL-SOP-6	50 µg/kg to 1000 µg/kg
			Issue No.: 04	
			Issue Date: 05.03.2014	
			(Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	

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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
	Pesticide residue Analysis in Vegetables	Chloroacetanilide Herbicides		
		Butachlor	RPQSM-PRL-SOP-6	50 µg/kg to 1000 µg/kg
		Alachlor	Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Chlorotraizine Herbicides		
		Simazine	RPQSM-PRL-SOP-6	50 µg/kg to 1000 µg/kg
		Atrazine	Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Phenyl Urea Herbicides		
		Linuron	RPQSM-PRL-SOP-6	50 µg/kg to 1000 µg/kg
			Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	
		Fungicides		
		Conazole Fungicides		
		Hexaconazole	RPQSM-PRL-SOP-6	50 µg/kg to 1000 µg/kg
	Triadimefon	Issue No.: 04	50 µg/kg to 1000 µg/kg	
	Triflumizole	Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg	
	Anilinopyrimidine Fungicides			
	Cyprodinil	RPQSM-PRL-SOP-6	50 µg/kg to 1000 µg/kg	
		Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)		

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	Pesticide residue Analysis in Vegetables	Unclassified Fungicides		
		Tricyclozole	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Acylamino acid Fungicides		
		Metalaxyl	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Insecticides & β-Nicotinoid Insecticides		
		Thaimethoxam	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Acetamiprid	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Thaicloprid	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Avermectin Insecticides		
		Enamectin Benzoate	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
	Pyrethroid Ether Insecticides			
	Etofenprox	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg	

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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
	Pesticide residue Analysis in Vegetables	Spinosyn Insecticides Spinosad	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Thiazolidine Acaricide Hexythiazox	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Sulphite Ester Acaricide Propargite	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Tetrazine Acaricide Clofentezine	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Thiazolidine IGR Buprofezin	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg

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	Pesticide residue Analysis in Vegetables	Moulting Homone Agonists		
		Tebufenozide	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Growth Retardant		
		Paclobutrazol	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
b.	Pesticide residue Analysis in Cereals (Rice & Wheat)	Organochlorine		
		α- HCH	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	10 µg/kg to 1000 µg/kg
		β - HCH		10 µg/kg to 1000 µg/kg
		γ - HCH		10 µg/kg to 1000 µg/kg
		Lindane		10 µg/kg to 1000 µg/kg
		Dicofol		10 µg/kg to 1000 µg/kg
		α -Endosulfan		10 µg/kg to 1000 µg/kg
		β -Endosulfan		10 µg/kg to 1000 µg/kg
		Endosulfan sulfate		10 µg/kg to 1000 µg/kg
		pp- DDD		10 µg/kg to 1000 µg/kg
		pp- DDT		10 µg/kg to 1000 µg/kg
	PP-DDE		10 µg/kg to 1000 µg/kg	

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	Pesticide residue Analysis in Cereals (Rice & Wheat)	Organophosphate		
		Acephate	RPQSM-PRL-SOP-6	25 µg/kg to 2500 µg/kg
		Chlorpyrifos	Issue No.: 04	25 µg/kg to 2500 µg/kg
		Dimethoate	Issue Date: 05.03.2014	25 µg/kg to 2500 µg/kg
		Malathion	(Analysis method adopted from	25 µg/kg to 2500 µg/kg
		Methyl parathion	CDFA- 2008 & AOAC -2007.01)	25 µg/kg to 2500 µg/kg
		Monocrotophos		25 µg/kg to 2500 µg/kg
		Phosphamidon		25 µg/kg to 2500 µg/kg
		Quinalphos		25 µg/kg to 2500 µg/kg
		Phorate		25 µg/kg to 2500 µg/kg
		Fenitrothion		25 µg/kg to 2500 µg/kg
		Profenofos		50 µg/kg to 1000 µg/kg
		O-methoate		50 µg/kg to 1000 µg/kg
		Diazinon		50 µg/kg to 1000 µg/kg
		Chlorfenvinphos		50 µg/kg to 1000 µg/kg
		Iprobenfos		50 µg/kg to 1000 µg/kg
		Trichlorfon		50 µg/kg to 1000 µg/kg
		Synthetic Pyrethroids		
		Fenvalerate	RPQSM-PRL-SOP-6	50 µg/kg to 5000 µg/kg
		A-Cypermethrin	Issue No.: 04	50 µg/kg to 5000 µg/kg
		Deltamethrin	Issue Date: 05.03.2014	50 µg/kg to 5000 µg/kg
		Fenpropathrin	(Analysis method adopted from	50 µg/kg to 5000 µg/kg
		Bifenthrin	CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 5000 µg/kg
		L-Cyhalothrin		50 µg/kg to 5000 µg/kg
		Fluvalinate		50 µg/kg to 5000 µg/kg

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	Pesticide residue Analysis in Cereals (Rice & Wheat)	Carbamates		
		Carbofuran	RPQSM-PRL-SOP-6	50 µg/kg to 5000 µg/kg
		Carbaryl	Issue No.: 04	50 µg/kg to 5000 µg/kg
		3-Hydroxy carbofuran	Issue Date: 05.03.2014	50 µg/kg to 5000 µg/kg
		Iprovalicarb	(Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Herbicides		
		Dinitroaniline Herbicides		
		Pendimethalin	RPQSM-PRL-SOP-6	50 µg/kg to 1000 µg/kg
			Issue No.: 04	
			Issue Date: 05.03.2014	
			(Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	
		Chloroacetanilide Herbicides		
		Butachlor	RPQSM-PRL-SOP-6	50 µg/kg to 1000 µg/kg
		Alachlor	Issue No.: 04	50 µg/kg to 1000 µg/kg
			Issue Date: 05.03.2014	
			(Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	
		Chlorotrazine Herbicides		
		Simazine	RPQSM-PRL-SOP-6	50 µg/kg to 1000 µg/kg
		Atrazine	Issue No.: 04	50 µg/kg to 1000 µg/kg
			Issue Date: 05.03.2014	
			(Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	
		Phenyl Urea Herbicides		
		Linuron	RPQSM-PRL-SOP-6	50 µg/kg to 1000 µg/kg
			Issue No.: 04	
			Issue Date: 05.03.2014	
			(Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	

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	Pesticide residue Analysis in Cereals (Rice & Wheat)	Fungicides		
		Conazole Fungicides		
		Hexaconazole	RPQSM-PRL-SOP-6 Issue No.: 04	50 µg/kg to 1000 µg/kg
		Triadimefon	Issue Date: 05.03.2014	50 µg/kg to 1000 µg/kg
		Triflumizole	(Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Anilinopyrimidine Fungicides		
		Cyprodinil	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Unclassified Fungicides		
		Tricyclozole	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Acylamino acid Fungicides		
		Metalaxyl	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg

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	Pesticide residue Analysis in Cereals (Rice & Wheat)	Insecticides & Acaricides		
		β-Nicotinoid Insecticides		
		Thaimethoxam	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Acetamiprid	Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Thaicloprid	(Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Avermectin Insecticides		
		Enamectin Benzoate	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Pyrethroid ether Insecticides		
		Etofenprox	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Spinosyn Insecticides		
		Spinosad	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Thiazolidine Acaricide		
		Hexythiazox	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg

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	Pesticide residue Analysis in Cereals (Rice & Wheat)	Sulphite Ester Acaricide Propargite	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Tetrazine Acaricide Clofentezine	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Thiazolidine IGR Buprofezin	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg
		Moulting Homone Agonists Tebufenozide Methoxyfenozide	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg 50 µg/kg to 1000 µg/kg
		Growth Retardant Paclobutrazol	RPQSM-PRL-SOP-6 Issue No.: 04 Issue Date: 05.03.2014 (Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 µg/kg to 1000 µg/kg

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c.	Pesticide residue Analysis in Fruits	Organochlorine			
		α - HCH	RPQSM-PRL-SOP-6	10 μ g/kg to 1000 μ g/kg	
		β - HCH	Issue No.: 04	10 μ g/kg to 1000 μ g/kg	
		γ - HCH	Issue Date: 05.03.2014	10 μ g/kg to 1000 μ g/kg	
		Lindane	(Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	10 μ g/kg to 1000 μ g/kg	
		Dicofol		10 μ g/kg to 1000 μ g/kg	
		α -Endosulfan		10 μ g/kg to 1000 μ g/kg	
		β -Endosulfan		10 μ g/kg to 1000 μ g/kg	
		Endosulfan sulfate		10 μ g/kg to 1000 μ g/kg	
		pp- DDD		10 μ g/kg to 1000 μ g/kg	
		pp- DDT		10 μ g/kg to 1000 μ g/kg	
		PP-DDE		10 μ g/kg to 1000 μ g/kg	
		Organophosphate			
		Chlorpyrifos	RPQSM-PRL-SOP-6	10 μ g/kg to 1000 μ g/kg	
		Acephate	Issue No.: 04	50 μ g/kg to 5000 μ g/kg	
		Dichlorvos	Issue Date: 05.03.2014	50 μ g/kg to 5000 μ g/kg	
		Dimethoate	(Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	50 μ g/kg to 5000 μ g/kg	
		Ethion		50 μ g/kg to 5000 μ g/kg	
		Methamidaphos		50 μ g/kg to 5000 μ g/kg	
		Malathion		50 μ g/kg to 5000 μ g/kg	
		Methyl parathion		50 μ g/kg to 5000 μ g/kg	
		Monocrotophos		50 μ g/kg to 5000 μ g/kg	
		Phosphamidon		50 μ g/kg to 5000 μ g/kg	
		Quinalphos		50 μ g/kg to 5000 μ g/kg	
		Traizophos		50 μ g/kg to 5000 μ g/kg	
		Phorate		50 μ g/kg to 5000 μ g/kg	

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	Pesticide residue Analysis in Fruits	Synthetic Pyrethroids		
		Fenvalerate	RPQSM-PRL-SOP-6	10 µg/kg to 1000 µg/kg
		A-Cypermethrin	Issue No.: 04	10 µg/kg to 1000 µg/kg
		Deltamethrin	Issue Date: 05.03.2014	10 µg/kg to 1000 µg/kg
		Fenpropathrin	(Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	10 µg/kg to 1000 µg/kg
		Bifenthrin		10 µg/kg to 1000 µg/kg
		L-Cyhalothrin		10 µg/kg to 1000 µg/kg
		Fluvalinate		10 µg/kg to 1000 µg/kg
		Carbamates		
		Carbofuran	RPQSM-PRL-SOP-6	10 µg/kg to 1000 µg/kg
		Carbaryl	Issue No.: 04	10 µg/kg to 1000 µg/kg
		3-Hydroxy carbofuran	Issue Date: 05.03.2014	10 µg/kg to 1000 µg/kg
		Methomyl	(Analysis method adopted from CDFA- 2008 & AOAC -2007.01)	10 µg/kg to 1000 µg/kg
		Thiodicarb		10 µg/kg to 1000 µg/kg
		Imidacloprid		10 µg/kg to 1000 µg/kg

-X-X-X-X-X-X-X-X-X-X-X-X-