

Laboratory Pesticide Residues Analysis Laboratory, Regional Plant Quarantine Station (RPQS), Directorate of Plant Protection, Quarantine & Storage, Department of Agriculture Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, G.S.T Road, Meenambakkam, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7476 (in lieu of T-4060)

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Validity 25.07.2018 to 24.07.2020

Last Amended on --

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.	RESIDUES IN FOOD PRODUCTS				
1.	Pesticide Residues Analysis on Vegetables	Pesticide Residues			
		Organochlorine (OC) Pesticides			
		Alpha HCH	RPQSC-PRL-SOP-03 (Issue No. 3 Issue date: 06.12.2013 Rev. 02 Revision Dated 28.12.2017)	0.01 mg/kg to 10 mg/kg	
		Beta HCH		0.01 mg/kg to 10 mg/kg	
		Lindane		0.01 mg/kg to 10 mg/kg	
		Delta HCH		0.01 mg/kg to 10 mg/kg	
		Endosulfan alpha		0.01 mg/kg to 10 mg/kg	
		p,p'-DDE		0.01 mg/kg to 10 mg/kg	
		Endosulfan beta		0.01 mg/kg to 10 mg/kg	
		p,p'-DDD		0.01 mg/kg to 10 mg/kg	
		Endosulfan Sulphate		0.01 mg/kg to 10 mg/kg	
		p,p'-DDT		0.01 mg/kg to 10 mg/kg	
		Synthetic Pyrethroids (SP) Pesticides			
		Fenpropathrin		RPQSC-PRL-SOP-03 (Issue No. 3 Issue date: 06.12.2013 Rev. 02 Revision Dated 28.12.2017)	0.05 mg/kg to 10 mg/kg
		Beta Cyfluthrin			0.05 mg/kg to 10 mg/kg
		Alpha Cypermethrin	0.05 mg/kg to 10 mg/kg		
		Fenvalerate	0.05 mg/kg to 10 mg/kg		
		Fluvalinate	0.05 mg/kg to 10 mg/kg		
		Deltamethrin	0.05 mg/kg to 10 mg/kg		
		Bifenthrin	0.1 mg/kg to 10 mg/kg		
		Lambda Cyhalothrin	0.1 mg/kg to 10 mg/kg		
		Organophosphorus (OP) Pesticides			
		Phorate	RPQSC-PRL-SOP-03 (Issue No. 3 Issue date: 06.12.2013 Rev. 02 Revision Dated 28.12.2017)	0.05 mg/kg to 25 mg/kg	
	Dimethoate	0.05 mg/kg to 25 mg/kg			
	Phosphomidon	0.05 mg/kg to 25 mg/kg			
	Malaoxon	0.05 mg/kg to 25 mg/kg			
	Parathion Methyl	0.05 mg/kg to 25 mg/kg			

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		Fenithrothion	RPQSC-PRL-SOP-03 (Issue No. 3 Issue date: 06.12.2013 Rev. 02 Revision Dated 28.12.2017)	0.05 mg/kg to 25 mg/kg	
		Malathion		0.05 mg/kg to 25 mg/kg	
		Parathion Ethyl		0.05 mg/kg to 25 mg/kg	
		Quinalphos		0.05 mg/kg to 25 mg/kg	
		Profenophos		0.05 mg/kg to 25 mg/kg	
		Ethion		0.05 mg/kg to 25 mg/kg	
		Triazophos		0.05 mg/kg to 25 mg/kg	
		Phosalone		0.05 mg/kg to 25 mg/kg	
		Chlorpyrifos Methyl		0.01 mg/kg to 10 mg/kg	
		Chlorpyrifos Ethyl		0.01 mg/kg to 10 mg/kg	
2.	Pesticide Residues Analysis on Fruits	Pesticide Residues			
		Organochlorine (OC) Pesticides			
		Alpha HCH		RPQSC-PRL-SOP-03 (Issue No. 3 Issue date: 06.12.2013 Rev. 02 Revision Dated 28.12.2017)	0.01 mg/kg to 10 mg/kg
		Beta HCH			0.01 mg/kg to 10 mg/kg
		Lindane	0.01 mg/kg to 10 mg/kg		
		Delta HCH	0.01 mg/kg to 10 mg/kg		
		Endosulfan alpha	0.01 mg/kg to 10 mg/kg		
		p,p'-DDE	0.01 mg/kg to 10 mg/kg		
		Endosulfan beta	0.01 mg/kg to 10 mg/kg		
		p,p'-DDD	0.01 mg/kg to 10 mg/kg		
		Endosulfan Sulphate	0.01 mg/kg to 10 mg/kg		
		p,p'-DDT	0.01 mg/kg to 10 mg/kg		
		Synthetic Pyrethroids (SP) Pesticides			
		Bifenthrin	RPQSC-PRL-SOP-03 (Issue No. 3 Issue date: 06.12.2013 Rev. 02 Revision Dated 28.12.2017)	0.1 mg/kg to 10 mg/kg	
		Fenpropathrin		0.1 mg/kg to 10 mg/kg	
		Lambda Cyhalothrin		0.1 mg/kg to 10 mg/kg	
		Beta Cyfluthrin		0.1 mg/kg to 10 mg/kg	
		Alpha Cypermethrin		0.1 mg/kg to 10 mg/kg	
		Fenvalerate		0.1 mg/kg to 10 mg/kg	
		Fluvalinate		0.1 mg/kg to 10 mg/kg	
		Deltamethrin		0.1 mg/kg to 10 mg/kg	

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		Organophosphorus (OP) Pesticides		
		Phorate	RPQSC-PRL-SOP-03 (Issue No. 3 Issue date: 06.12.2013 Rev. 02 Revision Dated 28.12.2017)	0.05 mg/kg to 25 mg/kg
		Dimethoate		0.05 mg/kg to 25 mg/kg
		Phosphomidon		0.05 mg/kg to 25 mg/kg
		Malaoxon		0.05 mg/kg to 25 mg/kg
		Parathion Methyl		0.05 mg/kg to 25 mg/kg
		Fenithrothion		0.05 mg/kg to 25 mg/kg
		Malathion		0.05 mg/kg to 25 mg/kg
		Parathion Ethyl		0.05 mg/kg to 25 mg/kg
		Quinalphos		0.05 mg/kg to 25 mg/kg
		Profenophos		0.05 mg/kg to 25 mg/kg
		Ethion		0.05 mg/kg to 25 mg/kg
		Triazophos		0.05 mg/kg to 25 mg/kg
		Phosalone		0.05 mg/kg to 25 mg/kg
		Chlorpyrifos Methyl		0.01 mg/kg to 10 mg/kg
		Chlorpyrifos Ethyl	0.01 mg/kg to 10 mg/kg	
3.	Pesticide Residues Analysis on Pulses	Pesticide Residues		
		Organochlorine (OC) Pesticides		
		Alpha HCH	RPQSC-PRL-SOP-03 (Issue No. 3 Issue date: 06.12.2013 Rev. 02 Revision Dated 28.12.2017)	0.01 mg/kg to 10 mg/kg
		Beta HCH		0.01 mg/kg to 10 mg/kg
		Lindane		0.01 mg/kg to 10 mg/kg
		Delta HCH		0.01 mg/kg to 10 mg/kg
		Endosulfan alpha		0.01 mg/kg to 10 mg/kg
		p,p'-DDE		0.01 mg/kg to 10 mg/kg
		Endosulfan beta		0.01 mg/kg to 10 mg/kg
		p,p'-DDD		0.01 mg/kg to 10 mg/kg
		Endosulfan Sulphate		0.01 mg/kg to 10 mg/kg
		p,p'-DDT		0.01 mg/kg to 10 mg/kg
		Synthetic Pyrethroids (SP) Pesticides		
		Bifenthrin	RPQSC-PRL-SOP-03 (Issue No. 3	0.05 mg/kg to 10 mg/kg
		Fenpropathrin		0.05 mg/kg to 10 mg/kg

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		Lambda Cyhalothrin	Issue date: 06.12.2013 Rev. 02 Revision Dated 28.12.2017)	0.05 mg/kg to 10 mg/kg
		Beta Cyfluthrin		0.05 mg/kg to 10 mg/kg
		Alpha Cypermethrin		0.05 mg/kg to 10 mg/kg
		Fenvalerate		0.05 mg/kg to 10 mg/kg
		Fluvalinate		0.05 mg/kg to 10 mg/kg
		Organophosphorus (OP) Pesticides		
		Phorate	RPQSC-PRL-SOP-03 (Issue No. 3 Issue date: 06.12.2013 Rev. 02 Revision Dated 28.12.2017)	0.05 mg/kg to 25 mg/kg
		Dimethoate		0.05 mg/kg to 25 mg/kg
		Phosphomidon		0.05 mg/kg to 25 mg/kg
		Parathion Methyl		0.05 mg/kg to 25 mg/kg
		Fenithrothion		0.05 mg/kg to 25 mg/kg
		Malathion		0.05 mg/kg to 25 mg/kg
		Parathion Ethyl		0.05 mg/kg to 25 mg/kg
		Quinalphos		0.05 mg/kg to 25 mg/kg
		Profenophos		0.05 mg/kg to 25 mg/kg
		Ethion		0.05 mg/kg to 25 mg/kg
		Triazophos		0.05 mg/kg to 25 mg/kg
		Phosalone		0.05 mg/kg to 25 mg/kg
		Chlorpyrifos Methyl		0.025 mg/kg to 10 mg/kg
		Chlorpyrifos Ethyl	0.025 mg/kg to 10 mg/kg	