

Laboratory Pesticide Residue Laboratory, Anand Agricultural University, ICAR
Unit-9, Anand, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7581 (in lieu of T-2214)

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Validity 30.06.2018 to 29.06.2020

Last Amended on 12.07.2018

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.	RESIDUES IN WATER				
1.	Ground water & Packaged Drinking Water	Pesticide residue analysis	SOP No:-PRL/Analytical Method-05, Issue No: 1, Date: 02/05/2016	0.5 µg/L to 500 µg/L	
		<u>Organochlorine Group</u>			
		α-HCH			
		β-HCH			
		γ-HCH/ Lindane			
		δ-HCH			
		Aldrin			
		α-Endosulfan			
		β-Endosulfan			
		Endosulfan sulfate			
		P,P'-DDE			
		P,P'-DDD			
		<u>Organophosphorous Group</u>			
		Chlorpyrifos			
		Malathion			
		Parathion-methyl			
		Quinalphos			
		Profenophos			
		Ethion			
		Phosalone			
		<u>Synthetic Pyrethroids</u>			
		Deltamethrin			
		Fenvalerate			
		λ- Cyhalothrin			
		α- Cypermethrin			
		β-Cyfluthrin			
					0.5 µg/L to 500 µg/L

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Convenor

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Program Manager

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		Fenpropathrin	SOP No:-PRL/Analytical Method-05, Issue No: 1, Date: 02/05/2016	0.5 µg/L to 500 µg/L	
		Herbicides			
		Butachlor			
		Alachlor			
		Pendimethalin			
		Trifluralin			
		Fluchloralin			
II.	RESIDUES IN FOOD PRODUCTS				
1.	Fruits (Apple, Banana, Grapes, Citrus fruits, Pomegranate, Mango, Guava)	Organochlorine Group	SOP No- PRL/Analytical Method-01, Issue No: 1, Date: 15/04/2017	0.01 mg/kg to 5 mg/kg	
		α-HCH			
		β-HCH			
		γ-HCH/ Lindane			
		δ-HCH			
		Aldrin			
		α-Endosulfan			
		β-Endosulfan			
		Endosulfan sulfate			
		P,P'-DDE			
		P,P'-DDD			
		Organophosphorous Group			0.05 mg/kg to 5 mg/kg
		Chlorpyrifos			
		Malathion			
		Parathion-methyl			
		Quinalphos			
		Profenophos			
		Ethion		0.1 mg/kg to 5 mg/kg	
		Phosalone			
		Synthetic Pyrethroids			
Deltamethrin					
Fenvalerate					
λ- Cyhalothrin					

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		α - Cypermethrin		
		β -Cyfluthrin		
		Fenpropathrin		
2.	Vegetables (Brinjal, Cabbage, Capsicum, Cauliflower, Tomato, Okra)	Organochlorine Group	SOP No:-PRL/Analytical Method-01, Issue No: 1, Date: 15/04/2017	0.01 mg/kg to 5 mg/kg
		α -HCH		
		β -HCH		
		γ -HCH/ Lindane		
		δ -HCH		
		Aldrin		
		α -Endosulfan		
		β -Endosulfan		
		Endosulfan sulfate		
		P,P'-DDE		
		P,P'-DDD		
		Organophosphorous Group		0.05 mg/kg to 5 mg/kg
		Chlorpyrifos		
		Malathion		
		Parathion-methyl		
		Quinalphos		
		Profenophos		
		Ethion		
		Phosalone		
		Synthetic Pyrethroids		0.1 mg/kg to 5 mg/kg
		Deltamethrin		
		Fenvalerate		
		λ - Cyhalothrin		
		α - Cypermethrin		
		β -Cyfluthrin		
		Fenpropathrin		

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3.	Cereals (Wheat, Rice)	Organochlorine Group	SOP No:-PRL/Analytical Method-08, Issue No: 1, Date: 01/03/2016	0.01 mg/kg to 5 mg/kg
		α-HCH		
		β-HCH		
		γ-HCH/ Lindane		
		δ-HCH		
		Aldrin		
		α-Endosulfan		
		β-Endosulfan		
		Endosulfan sulfate		
		P,P'-DDE		
		P,P'-DDD		
		Organophosphorous Group		0.025 mg/kg to 5 mg/kg
		Chlorpyrifos		
		Malathion		
		Parathion-methyl		
		Quinalphos		
		Profenophos		
		Ethion		
		Phosalone		
		Synthetic Pyrethroids		
Deltamethrin				
Fenvalerate				
λ- Cyhalothrin				
α- Cypermethrin				
β-Cyfluthrin				
Fenpropathrin				
4.	Pulses (Green gram, Chick pea)	Organochlorine Group	SOP No:-PRL/Analytical Method-09, Issue No: 1, Date: 01/03/2016	0.01 mg/kg to 5 mg/kg
		α-HCH		
		β-HCH		
		γ-HCH/ Lindane		
		δ-HCH		
Aldrin				

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		α-Endosulfan		
		β-Endosulfan		
		Endosulfan sulfate		
		P,P'-DDE		
		P,P'-DDD		
		Organophosphorous Group		0.025 mg/kg to 5 mg/kg
		Chlorpyrifos		
		Malathion		
		Parathion-methyl		
		Quinalphos		
		Profenophos		
		Ethion		
		Phosalone		
		Synthetic Pyrethroids		0.05 mg/kg to 5 mg/kg
		Deltamethrin		
		Fenvalerate		
		λ- Cyhalothrin		
		α- Cypermethrin		
		β-Cyfluthrin		
		Fenpropathrin		
5.	Whole Milk (≤4.5 % Fat)	Organochlorine Group	SOP No:-PRL/Analytical Method-10, Issue No: 1, Date: 01/03/2016	0.01 mg/kg to 5 mg/kg
		α-HCH		
		β-HCH		
		γ-HCH/ Lindane		
		δ-HCH		
		Aldrin		
		α-Endosulfan		
		β-Endosulfan		
		Endosulfan sulfate		
		P,P'-DDE		
		P,P'-DDD		