

Laboratory Pesticide Residues Laboratory, (S K N Agriculture University, Jobner)
Division of Entomology, Rajasthan Agricultural Research Institute
(RARI), Durgapura, Jaipur, Rajasthan

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing

Issue Date 23.02.2015

Certificate Number T-3311

Valid Until 22.02.2017

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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. WATER				
1.	Ground Water	β -HCH	AOAC (19 th Edition) Official Method: 970.52 Chapter 10 Page 1 to 10	0.1 μ g/kg to 1.0 μ g/kg
		γ -HCH/ Lindane	AOAC (19 th Edition) Official Method: 970.52 Chapter 10 Page 1 to 10	0.1 μ g/kg to 1.0 μ g/kg
		δ -HCH	AOAC (19 th Edition) Official Method: 970.52 Chapter 10 Page 1 to 10	0.1 μ g/kg to 1.0 μ g/kg
		Aldrin	AOAC (19 th Edition) Official Method: 970.52 Chapter 10 Page 1 to 10	0.1 μ g/kg to 1.0 μ g/kg
		Endosulfan-II	AOAC (19 th Edition) Official Method: 970.52 Chapter 10 Page 1 to 10	0.1 μ g/kg to 1.0 μ g/kg
		Endosulfan Sulfate	AOAC (19 th Edition) Official Method: 970.52 Chapter 10 Page 1 to 10	0.1 μ g/kg to 1.0 μ g/kg
		O,P'-DDT	AOAC (19 th Edition) Official Method: 970.52 Chapter 10 Page 1 to 10	0.1 μ g/kg to 1.0 μ g/kg
		P,P-DDT	AOAC (19 th Edition) Official Method: 970.52 Chapter 10 Page 1 to 10	0.1 μ g/kg to 1.0 μ g/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
	Ground Water	Chlorpyrifos	AOAC (19 th Edition) Official Method: 970.52 Chapter 10 Page 1 to 10	0.1 µg/kg to 1.0 µg/kg
II. FOOD & AGRICULTURAL PRODUCTS				
I.	VEGETABLES (High Moisture, Low Fat)	β -HCH	AOAC Official Method: 2007.01 Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate (QuEChERS)	0.01 mg/kg to 1.0 mg/kg
		γ -HCH/ Lindane	AOAC Official Method: 2007.01 Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate (QuEChERS)	0.01 mg/kg to 1.0 mg/kg
		δ -HCH	AOAC Official Method: 2007.01 Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate (QuEChERS)	0.01 mg/kg to 1.0 mg/kg
		Aldrin	AOAC Official Method: 2007.01 Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate (QuEChERS)	0.01 mg/kg to 1.0 mg/kg

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	VEGETABLES (High Moisture, Low Fat)	Endosulfan-II	AOAC Official Method: 2007.01 Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate (QuEChERS)	0.01 mg/kg to 1.0 mg/kg
		Endosulfan Sulfate	AOAC Official Method: 2007.01 Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate (QuEChERS)	0.01 mg/kg to 1.0 mg/kg
		O,P'-DDT	AOAC Official Method: 2007.01 Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate (QuEChERS)	0.01 mg/kg to 1.0 mg/kg
		P,P-DDT	AOAC Official Method: 2007.01 Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate (QuEChERS)	0.01 mg/kg to 1.0 mg/kg
		Chlorpyrifos	AOAC Official Method: 2007.01 Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate (QuEChERS)	0.05 mg/kg to 1.0 mg/kg

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2.	Cereals	β -HCH	(California Department of Food and Agriculture Multiresidue Screen Method) In house Method: PRL/SOP/03 issue date Oct. 01, 2013	0.01 mg/kg to 1.0 mg/kg
		γ -HCH/ Lindane	(California Department of Food and Agriculture Multiresidue Screen Method) In house Method: PRL/SOP/03 issue date Oct. 01, 2013	0.01 mg/kg to 1.0 mg/kg
		δ -HCH	(California Department of Food and Agriculture Multiresidue Screen Method) In house Method: PRL/SOP/03 issue date Oct. 01, 2013	0.01 mg/kg to 1.0 mg/kg
		Aldrin	(California Department of Food and Agriculture Multiresidue Screen Method) In house Method: PRL/SOP/03 issue date Oct. 01, 2013	0.01 mg/kg to 1.0 mg/kg
		Endosulfan-II	(California Department of Food and Agriculture Multiresidue Screen Method) In house Method: PRL/SOP/03 issue date Oct. 01, 2013	0.01 mg/kg to 1.0 mg/kg
		Endosulfan Sulfate	(California Department of Food and Agriculture Multiresidue Screen Method) In house Method: PRL/SOP/03 issue date Oct. 01, 2013	0.01 mg/kg to 1.0 mg/kg

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	Cereals	O,P'-DDT	(California Department of Food and Agriculture Multiresidue Screen Method) In house Method: PRL/SOP/03 issue date Oct. 01, 2013	0.01 mg/kg to 1.0 mg/kg
		P,P-DDT	(California Department of Food and Agriculture Multiresidue Screen Method) In house Method: PRL/SOP/03 issue date Oct. 01, 2013	0.01 mg/kg to 1.0 mg/kg
		Chlorpyrifos	(California Department of Food and Agriculture Multiresidue Screen Method) In house Method: PRL/SOP/03 issue date Oct. 01, 2013	0.05 mg/kg to 1.0 mg/kg
3.	Pulses (Fat < 2%)	β -HCH	(California Department of Food and Agriculture Multiresidue Screen Method) In house Method: PRL/SOP/04 issue date Oct. 01, 2013	0.01 mg/kg to 1.0 mg/kg
		γ -HCH/ Lindane	(California Department of Food and Agriculture Multiresidue Screen Method) In house Method: PRL/SOP/04 issue date Oct. 01, 2013	0.01 mg/kg to 1.0 mg/kg

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	Pulses (Fat < 2%)	δ -HCH	(California Department of Food and Agriculture Multiresidue Screen Method) In house Method: PRL/SOP/04 issue date Oct. 01, 2013	0.01 mg/kg to 1.0 mg/kg
		Aldrin	(California Department of Food and Agriculture Multiresidue Screen Method) In house Method: PRL/SOP/04 issue date Oct. 01, 2013	0.01 mg/kg to 1.0 mg/kg
		Endosulfan-II	(California Department of Food and Agriculture Multiresidue Screen Method) In house Method: PRL/SOP/04 issue date Oct. 01, 2013	0.01 mg/kg to 1.0 mg/kg
		Endosulfan Sulfate	(California Department of Food and Agriculture Multiresidue Screen Method) In house Method: PRL/SOP/04 issue date Oct. 01, 2013	0.01 mg/kg to 1.0 mg/kg
		O,P'-DDT	(California Department of Food and Agriculture Multiresidue Screen Method) In house Method: PRL/SOP/04 issue date Oct. 01, 2013	0.01 mg/kg to 1.0 mg/kg
		P,P-DDT	(California Department of Food and Agriculture Multiresidue Screen Method) In house Method: PRL/SOP/04 issue date Oct. 01, 2013	0.01 mg/kg to 1.0 mg/kg

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	Pulses (Fat < 2%)	Chlorpyrifos	(California Department of Food and Agriculture Multiresidue Screen Method) In house Method: PRL/SOP/04 issue date Oct. 01, 2013	0.05 mg/kg to 1.0 mg/kg

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