

<b>Laboratory</b>	<b>Pesticide Toxicology Laboratory, Department of Agricultural Entomology, Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>21.12.2015</b>
<b>Certificate Number</b>	<b>T-2103</b>	<b>Valid Until</b>	<b>20.12.2017</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>I. FOOD AND AGRICULTURAL PRODUCTS</b>				
<b>1.</b>	<b>Vegetables (Brinjal, Cabbage, Cauliflower, Okra and Tomato)</b>	<u><b>Organochlorines:</b></u> $\alpha$ -HCH $\gamma$ -HCH $\delta$ -HCH Endosulfan- $\alpha$ Endosulfan- $\beta$ Endosulfan sulfate pp'-DDE pp'-DDD pp'-DDT	Validated in-house test Method, PTL-TM-01. Issue. 03, Issue dated. 29.10.2013	0.01 mg/kg to 1 mg/kg
		<u><b>Organophosphates:</b></u> Chlorpyrifos Dimethoate Ethion Malathion Parathion-methyl Phorate Quinalphos Profenophos Triazofos	Validated in-house test Method, PTL-TM-02. Issue. 03, Issue dated. 29.10.2013	0.05 mg/kg to 1 mg/kg
		<u><b>Synthetic pyrethroids:</b></u> $\alpha$ -Cypermethrin Bifenthrin Deltamethrin Fenvalerate $\lambda$ -Cyhalothrin Fluvalinate	Validated in-house test Method, PTL-TM-01. Issue. 03, Issue dated. 29.10.2013	0.1 mg/kg to 1 mg/kg

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2.	<b>Fruits (Apple, Banana, Grapes, Orange and Pomegranate)</b>	<p><b><u>Organochlorines:</u></b>  <math>\alpha</math>-HCH  <math>\gamma</math>-HCH  <math>\delta</math>-HCH            Endosulfan-<math>\alpha</math>            Endosulfan-<math>\beta</math>            Endosulfan sulfate            pp'-DDE            pp'-DDD            pp'-DDT</p> <p><b><u>Organophosphates:</u></b>            Chlorpyrifos            Dimethoate            Ethion            Malathion            Parathion-methyl            Phorate            Quinalphos            Profenophos            Triazofos</p> <p><b><u>Synthetic pyrethroids:</u></b>  <math>\alpha</math>- Cypermethrin Bifenthrin            Deltamethrin Fenvalerate  <math>\lambda</math>- Cyhalothrin            Fluvalinate</p>	<p>Validated in-house test Method, PTL-TM-01. Issue. 03, Issue dated. 29.10.2013</p> <p>Validated in-house test Method, PTL-TM-02. Issue. 03, Issue dated. 29.10.2013</p> <p>Validated in-house test Method, PTL-TM-01. Issue. 03, Issue dated. 29.10.2013</p>	<p>0.01 mg/kg to 1 mg/kg</p> <p>0.05 mg/kg to 1 mg/kg</p> <p>0.1 mg/kg to 1 mg/kg</p>

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3.	<b>Fish (Marine Fish)</b>	<u><b>Organochlorines:</b></u> $\alpha$ -HCH $\gamma$ -HCH $\delta$ -HCH Endosulfan- $\alpha$ Endosulfan- $\beta$ Endosulfan sulfate pp'-DDE pp'-DDD pp'-DDT	Validated in-house test Method, PTL-TM-01. Issue. 03, Issue dated. 29.10.2013	0.01 mg/kg to 1 mg/kg
4.	<b>Spices (Cardamom)</b>	<u><b>Organochlorines:</b></u> $\alpha$ -HCH $\gamma$ -HCH $\delta$ HCH Endosulfan- $\alpha$ Endosulfan- $\beta$ Endosulfan sulfate pp'-DDE pp'-DDT  <u><b>Organophosphates:</b></u> Chlorpyrifos Ethion Malathion Parathion-methyl Quinalphos Profenphos Triazophos	Validated in-house test Method, PTL-TM-01. Issue. 03, Issue dated. 29.10.2013	0.1 mg/kg to 1 mg/kg
			Validated in-house test Method, PTL-TM-02. Issue. 03, Issue dated. 29.10.2013	0.1 mg/kg to 1 mg/kg

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	Spices (Cardamom)	<b><u>Synthetic pyrethroids:</u></b> Cypermethrin Deltamethrin Fenvalerate	Validated in-house test Method, PTL-TM-01. Issue. 03, Issue dated. 29.10.2013	0.1 mg/kg to 1 mg/kg
5.	Black Tea	<b><u>Organochlorines:</u></b> Endosulfan- $\alpha$ Endosulfan- $\beta$ Endosulfan sulfate	Validated in-house test Method, PTL-TM-01. Issue. 03, Issue dated. 29.10.2013	0.1 mg/kg to 1 mg/kg
		<b><u>Organophosphates:</u></b> Chlorpyrifos Ethion Quinalphos	Validated in-house test Method, PTL-TM-02. Issue. 03, Issue dated. 29.10.2013	0.1 mg/kg to 1 mg/kg

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