

Laboratory **Export Testing Laboratory (ETL), Bidhan Chandra Krishi  
Viswavidyalaya, Mohanpur, Dist.-Nadia, West Bengal**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-6908 (in lieu of T-1644)** Page 1 of 8

Validity **09.11.2017 to 08.11.2019** Last Amended on 07.02.2018

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.	<b>RESIDUES IN FOOD PRODUCTS</b>			
1.	<b>Fruit and Fruit Juice</b>	<b>Pesticides</b>	SOP No. ETM – 03, Rev No. 02 Date: 08.01.2018 (Based on AOAC 2007.01 chapter 10.1.04,21" edition)	0.01 mg/kg to 1.0 mg/kg
		Alachlor		
		Atrazine		
		Benalaxyl		
		Benthiocarb		
		Bifenthrin		
		Buprofezin		
		Butachlor		
		Carbaryl		
		3 Keto carbofuran		
		Chlorpyrifos		
		Cyhalofop butyl		
		o,p-DDD		
		o,p-DDE		
		o,p-DDT		
		p,p-DDD		
		p,p-DDE		
		Diazinone		
		Dicofol		
		Dieldrin		
	Ethion			
	Etrimphos			
	Fenamidone			
	Fenarimol			
	Fenazaquin			
	Fenitrothion			
	Fenvalerate			

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Flusilazole	SOP No. ETM – 03, Rev No. 02 Date: 08.01.2018 (Based on AOAC 2007.01 chapter 10.1.04,21" edition)	0.01 mg/kg to 1.0 mg/kg
		Haloxypop methyl		
		α-HCH		
		β-HCH		
		α-Cypermethrin		
		α-Endosulfan		
		β -Endosulfan		
		δ-HCH		
		γ-HCH		
		λ-Cyhalothrin		
		Endosulfan sulphate		
		Malathion		
		Metalaxyl		
		Methyl Parathion		
		MCPA methyl		
		Paclobutrazole		
		Parathion		
		Penconazole		
		Phosalone		
		Pretilachlor		
		Quinalphos		
		Tetradifon		
		Triadimefon		
		Permethrin		
		Acetamiprid		
		Tricyclazole		
		Propoxure		
		Carbofuran		
		Isoproturon		
		Isoprothiolane		
		Triazophos		
		Iprobenphos		
		Tetraconazole		
		Tebuconazole		

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Coumaphos	SOP No. ETM – 03, Rev No. 02 Date: 08.01.2018 (Based on AOAC 2007.01 chapter 10.1.04,21" edition)	0.01 mg/kg to 1.0 mg/kg
		Profenophos		
		Hexaconazole		
		Difenoconazole		
		Spinosyn-A		
		Spinosyn-D		
		Spinosyn-J		
		Spinosyn-L		
		Thiacloprid		
		Carbendazim		
		Dimethoate		
<b>2.</b>	<b>Vegetables</b>	<b>Pesticides</b>	SOP No. ETM – 02, Rev No. 02, Date: 08.01.2018 (Based on AOAC 2007.01 chapter 10.1.04,21" edition)	0.01 mg/kg to 1.0 mg/kg
		Alachlor		
		Atrazine		
		Benalaxyl		
		Benthiocarb		
		Bifenthrin		
		Buprofezin		
		Butachlor		
		Carbaryl		
		3 Keto carbofuran		
		Chlorpyrifos		
		Cyhalofop butyl		
		o,p-DDD		
		o,p-DDE		
		o,p-DDT		
		p,p-DDD		
		p,p-DDE		
		Diazinone		
		Dicofol		
		Dieldrin		
		Ethion		
		Etrimphos		
		Fenamidone		

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Fenarimol	SOP No. ETM – 02, Rev No. 02, Date: 08.01.2018 (Based on AOAC 2007.01 chapter 10.1.04,21" edition)	0.01 mg/kg to 1.0 mg/kg
		Fenazaquin		
		Fenitrothion		
		Fenvalerate		
		Flusilazole		
		Haloxypop methyl		
		α-HCH		
		β-HCH		
		α-Cypermethrin		
		α-Endosulfan		
		β -Endosulfan		
		δ-HCH		
		γ-HCH		
		λ-Cyhalothrin		
		Endosulfan sulphate		
		Malathion		
		Metalaxyl		
		Methyl Parathion		
		MCPA methyl		
		Paclobutrazole		
		Parathion		
		Penconazole		
		Phosalone		
		Pretilachlor		
		Quinalphos		
		Tetradifon		
		Triadimefon		
		Permethrin		
		Acetamiprid		
		Tricyclazole		
		Propoxure		
		Carbofuran		
		Isoproturon		
		Isoprothiolane		

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		Triazophos	SOP No. ETM – 02, Rev No. 02, Date: 08.01.2018 (Based on AOAC 2007.01 chapter 10.1.04,21” edition)	0.01 mg/kg to 1.0 mg/kg
		Iprobenphos		
		Tetraconazole		
		Tebuconazole		
		Coumaphos		
		Profenophos		
		Hexaconazole		
		Difenoconazole		
		Spinosyn-A		
		Spinosyn-D		
		Spinosyn-J		
		Spinosyn-L		
		Thiacloprid		
		Carbendazim		
		Dimethoate		
<b>3.</b>	<b>Cereals</b>	<b>Pesticides</b>	SOP No. ETM – 01, Rev No. 02, Date: 08.01.2018 (Based on AOAC 2007.01 chapter 10.1.04,21” edition)	0.01 mg/kg to 1.0 mg/kg
		Alachlor		
		Atrazine		
		Benalaxyl		
		Benthiocarb		
		Bifenthrin		
		Buprofezin		
		Butachlor		
		Carbaryl		
		3 Keto carbofuran		
		Chlorpyrifos		
		Cyhalofop butyl		
		o,p-DDD		
		o,p-DDE		
		o,p-DDT		
		p,p-DDD		
		p,p-DDE		
		Dicofol		
		Dieldrin		

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		Ethion	SOP No. ETM – 01, Rev No. 02, Date: 08.01.2018 (Based on AOAC 2007.01 chapter 10.1.04,21" edition)	0.01 mg/kg to 1.0 mg/kg
		Etrimphos		
		Fenamidone		
		Fenarimol		
		Fenazaquin		
		Fenitrothion		
		Fenvalerate		
		Flusilazole		
		Haloxyfop methyl		
		α-HCH		
		β-HCH		
		α-Cypermethrin		
		α-Endosulfan		
		β -Endosulfan		
		δ-HCH		
		γ-HCH		
		λ-Cyhalothrin		
		Endosulfan sulphate		
		Malathion		
		Metalaxyl		
		Methyl Parathion		
		MCPA methyl		
		Paclobutrazole		
		Parathion		
		Penconazole		
		Phosalone		
		Pretilachlor		
		Quinalphos		
		Tetradifon		
		Triadimefon		
		Permethrin		
		Acetamiprid		
		Tricyclazole		
		Propoxure		

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		Carbofuran	SOP No. ETM – 01, Rev No. 02, Date: 08.01.2018 (Based on AOAC 2007.01 chapter 10.1.04,21 <sup>st</sup> edition)	0.01 mg/kg to 1.0 mg/kg
		Isoproturon		
		Isoprothiolane		
		Triazophos		
		Iprobenphos		
		Tetraconazole		
		Tebuconazole		
		Coumaphos		
		Profenophos		
		Hexaconazole		
		Difenoconazole		
		Spinosyn-A		
		Spinosyn-D		
		Spinosyn-J		
		Spinosyn-L		
		Thiacloprid		
		Carbendazim		
		Dimethoate		
		<b>Trace Metal Elements</b>		
		Cadmium	SOP No. ETM – 05 Based on APHA 2012 Rev No. 02 Date: 21.12.2017	0.1 mg/kg to 1.0 mg/kg
		Chromium		0.2 mg/kg to 1.0 mg/kg
		Copper		0.1 mg/kg to 1.0 mg/kg
		Iron		0.2 mg/kg to 1.0 mg/kg
		Manganese		0.1 mg/kg to 1.0 mg/kg
		Nickel		0.1 mg/kg to 1.0 mg/kg
<b>II.</b>	<b>RESIDUES IN WATER</b>			
<b>1.</b>	<b>Ground and Surface water</b>	<b>Trace Metal Elements</b>	SOP No. ETM – 08 & 08(A) Based on APHA 2012 Rev No. 02 Date: 21.12.2017 Based on APHA 2012	
		Arsenic		0.005 mg/L to 1.0 mg/L
		Cadmium		0.002 mg/L to 1.0 mg/L
		Chromium		0.03 mg/L to 1.0 mg/L
		Copper		0.02 mg/L to 1.0 mg/L
		Iron		0.1 mg/L to 1.0 mg/L

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		Lead	SOP No. ETM – 08 & 08(A)	0.01 mg/L to 2.5 mg/L
		Manganese	Based on APHA 2012	0.05 mg/L to 1.0 mg/L
		Nickel	Rev No. 02	0.01 mg/L to 1.0 mg/L
		Zinc	Date: 21.12.2017 Based on APHA 2012	0.2 mg/L to 2.5 mg/L