

Laboratory Centre for Food Testing, Bharati Vidyapeeth Deemed University (BVDU), 5th Floor, Centre for Advanced Research in Pharmaceutical Sciences Building, Erandwane, Paud Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6962 (in lieu of T-2656)

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Validity 03.12.2017 to 02.12.2019

Last Amended on 05.03.2018

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 FOOD PRODUCTS			
1.	Fruits/ Vegetables & Processed Fruits/ Vegetables Grape Pomegranate Mango Juice & Pulp Okra	Aldrin Dieldrin cis-Chlordane trans-Chlordane Chlorothalonil p,p'-DDT o,p'-DDT p,p'-DDE o,p'-DDE o,p'-TDE (DDD) p,p'-TDE (DDD) Dicofol alpha - Endosulphan beta - Endosulphan Endosulphan Sulphate Endrin alpha-HCH beta-HCH delta-HCH gamma-HCH Heptachlor Heptachlor epoxide 4-bromo-2-chlorophenol Chlorfenvinphos-I Chlorfenvinphos-II Chlorpyriphos Chlorpyriphos-methyl	CFT/SOP/01 (Based on Journal of Chromatography A, 1173 (2007) 98-109) Issue No. :01 Issue Date : 21/10/2014	0.01 mg/kg to 1 mg/kg

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Convenor

Alok Jain
Program Director

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		Diazinon		
		Dichlorvos		
		Edifenphos		
		Ethion		
		Etrimphos	CFT/SOP/01	0.01 mg/kg to 1 mg/kg
		Fenitrothion	(Based on	
		Malathion	Journal of Chromatography	
		Malaoxon	A, 1173 (2007) 98-109	
		Parathion ethyl	Issue No. 01	
		Parathion methyl	Issue Date : 21/10/2014	
		Paraoxon methyl		
		Phorate		
		Phorate-sulfone		
		Phosalone		
		Phosphamidon		
		Pirimiphos-methyl		
		Propetamphos		
		Allethrin		
		Bioallethrin		
		Bifenthrin		
		Cyfluthrin (including other mixtures of constituent isomers sum of isomers)		
		Cypermethrin (including other mixtures of constituent isomers sum of isomers)		0.025 mg/kg to 10 mg/kg
		Deltamethrin		0.025 mg/kg to 10 mg/kg
		Ethofenprox (Etofenprox)		0.025 mg/kg to 10 mg/kg
		Fenpropathrin		0.01 mg/kg to 10 mg/kg
		Fenvalerate &		

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		Esfenvalerate (sum of RR & SS isomers)		
		Fenvalerate & Esfenvalerate (sum of RS & SR isomers)		
		Lambda-cyhalothrin		
		cis-Permethrin		
		trans-permethrin		
		tau- Fluvalinate I		
		tau- Fluvalinate II		
		Transfluthrin	CFT/SOP/01	0.01 mg/kg to 10 mg/kg
		Bendiocarb	(Based on	
		Captafol	Journal of Chromatography	
		Captan	A, 1173 (2007) 98-109	
		Isoproturon	Issue No. 01	
		Oxyfluorfen	Issue Date : 21/10/2014	
		Pendimethalin		
		Trifluralin		
		Alachlor		
		Butachlor		
		Metolachlor (with S-Metolachlor)		
		Chlorfenpyr		
		4,4 Dichloro Benzopheneone		
		Isoprothiolane		
		Acephate		
		Dimethoate (Including Omethoate)		
		Omethoate		
		Fenthion		
		Fenthion-sulfone		
		Fenthion-sulfoxide		

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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
		Glyphosate		
		Glufosinate- ammonium		
		MPP		
		NAG		
		Iprobenphos		
		Methamidophos		
		Monocrotophos		
		Demeton-S-methylsulfone		
		Demeton-S-methylsulfoxide		
		Phenthoate		
		Profenophos		
		Quinalphos		
		Temephos		
		Thiometon		
		Triazophos	CFT/SOP/01	0.01 mg/kg to 10 mg/kg
		Atrazine	(Based on Journal of Chromatography A, 1173	
		Flufenzine	(2007) 98-109)	
		Simazine	Issue No. :01	
		Benalaxyl	Issue Date : 21/10/2014	
		Metalaxyl		
		Metalaxyl M		
		Oxycarboxin		
		Propanil		
		Benfuracarb		
		Benomyl		
		Carbaryl		
		Carbofuran		
		Carbosulfan		
		Dazomet (Methyl isothiocyanate)		

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		Fenobucarb		
		Indoxacarb (sum of R and S isomers)		
		Iprovalicarb		
		Methomyl		
		Thiodicarb		
		Propoxur		
		Thiobencarb (Benthiocarb)		
		Fenarimol		
		Bitertanol		
		Difenoconazole		
		Flusilazole		
		Hexaconazole		
		Myclobutanil		
		Paclbutrazol		
		Penconazole		
		Propiconazole-I		
		Propiconazole-II		
		Tebuconazole		
		Thiocyclam		
		Tetraconazole	CFT/SOP/01	0.01 mg/kg to 10 mg/kg
		Triadimefon	(Based on Journal of Chromatography A, 1173	
		Triadimenol	(2007) 98-109)	
		Fenamidone	Issue No. 01	
		Iprodione	Issue Date : 21/10/2014	
		Famoxadone		
		Carbendazim		
		Thiophanate-methyl		
		Acetamiprid		
		Imidacloprid		
		Thiacloprid		

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		Thiamethoxam		
		Clothianidin		
		Dinocap		
		Cymoxanil		
		Dimethomorph		
		Tridemorph		
		Difenthiuron		
		Diuron		
		Iodosulfuron-methyl		
		Linuron		
		Lufenuron		
		Pencycuron		
		Flufenoxuron		
		Azoxystrobin		
		Kresoxim methyl		
		Pyraclostrobin		
		Trifloxystrobin		
		Fipronil (sum of fipronil+sulfone metabolite)		0.025 mg/kg to 10 mg/kg
		Fipronil sulfone		0.01 mg/kg to 10 mg/kg
		Chlorantraniliprole	CFT/SOP/01	0.01 mg/kg to 10 mg/kg
		Fenpyroximate	(Based on Journal of Chromatography A, 1173	
		Carboxin	(2007) 98-109)	
		Flufenacet (sum of all compounds containing the N fluorophenyl-Nisopropyl moiety expressed as flufenacet equivalent)	Issue No. :01 Issue Date : 21/10/2014	0.01 mg/kg to 10 mg/kg
		Novaluron		0.01 mg/kg to 10 mg/kg
		1-Naphthylacetic acid (alfa)		

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		2,4-D (sum of 2,4-D and its esters expressed as 2,4-D)		
		6-Benzyl adenine		
		Abamectin (sum of avermectin B1a, avermectin B1b and delta-8,9 isomer of avermectin B1a)		
		Azadirachtin		
		Bifenazate		
		Buprofezin		
		Cartap hydrochloride		
		Chlormequat Chloride (CCC)		
		Diflubenzuron		
		Homobrassinolide		
		Diquat		
		Dithianon		
		Dodine		
		Emamectin Benzoate		
		Ethephon		
		Etoxazole		
		Fenazaquin		
		Flubendiamide		
		Fluopicolide		
		Forchlorfenuron (CPPU)		
		Fosetyl-Al		
		Gibberellic acid		
		Hexythiazox		
		Hydrogen cyanamide	CFT/SOP/01	0.01 mg/kg to 10 mg/kg
		Mandipropamid	(Based on	

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		Mepiquat Chloride	Journal of Chromatography A, 1173 (2007) 98-109 Issue No. :01 Issue Date : 21/10/2014	
		Metribuzin		
		Milbemectin		
		Nereistoxin		
		Oxadiazon		
		Paraquat		
		Propargite		
		Pyriproxyfen		
		Spinosad A		
		Spinosad D		
		Spiromesifen		
		Trichlorfon		
		Tricyclazole		
		Uracil		
		Spirotetramat		
		Flonicamid		
		TNFG		
		TNFA		
		Dinotefuran		
		3,4- dichloroaniline		
		Ametoctradin		
		Cyantraniliprole		
		Propamocarb		
		4-CPA		
		Cyazofamid		
		Dithiocarbamates	CFT /SOP/ 02 (Based on Journal of Chromatography A, 984 (2003) 81-88) Issue No. :01 Issue Date : 20/10/2012	0.01 mg/kg to 10 mg/kg
		Cadmium	CFT /SOP/ 07	0.01 mg/kg to 1 mg/kg
		Copper	[Based on	0.01 mg/kg to 5 mg/kg

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		Lead	APHA 3125, APHA 3030, (1998)] Issue No. 01 Issue Date: 20/10/2012	0.01 mg/kg to 1 mg/kg
		Sulphur	CFT /SOP/ 06 (Based on Journal of Chromatography, 117 (1976) 71-79) Issue No. 01 Issue Date: 21/10/2014	0.05 mg/kg to 125 mg/kg
II.	RESIDUES IN WATER			
1.	Drinking Water (Second Revision) & Packaged Drinking Water and Packaged Natural Mineral Water and Soft Drinks	2,4 DDT	CFT /SOP/ 08 (Based on AOAC 990.06 20 th Edition 2016) Issue No. 01 Issue Date : 20/10/2012	0.01 µg/L to 100 µg/L
		4,4 DDT		
		2,4 DDD		
		4,4 DDD		
		2,4 DDE		
		4,4 DDE		
		γ HCH (Lindane)		
		α HCH		
		β HCH		
		δ HCH		
		α Endosufan		
		β Endosufan		
		Endosulfan sulphate		
		Monocrotophos		
	Ethion			
	Chloropyrifos			
	Phorate			
	Phorate Sulfoxide			
	Phorate Sulphone			
	2, 4 - D			

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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
		Butachlor		
		Isoproturon		
		Alachlor		
		Atrazine		
		Methyl Parathion		
		Methyl Paraxon		
		Malathion		
		Malaxon		
		Aldrin		
		Dieldrin		
		Iron (as Fe)	CFT/SOP/09	10 µg/L to 100 µg/L
		Calcium (as Ca)	[Based on	
		Copper (as Cu)	APHA 3125,	
		Manganese (as Mn)	APHA 3030, (1998)]	
		Mercury (as Hg)	Issue No. :01	1 µg/L to 100 µg/L
		Cadmium (Cd)	Issue Date : 20/10/2012	10 µg/L to 100 µg/L
		Selenium (as Se)		10 µg/L to 100 µg/L
		Arsenic (as As)		10 µg/L to 100 µg/L
		Lead (as Pb)		10 µg/L to 100 µg/L
		Zinc (as Zn)		10 µg/L to 100 µg/L
		Antimony (as Sb)		10 µg/L to 100 µg/L
		Chromium (as Cr)		10 µg/L to 100 µg/L
		Aluminium (as Al)		10 µg/L to 100 µg/L
		Boron (as B)		10 µg/L to 100 µg/L
		Barium (as Ba)		10 µg/L to 100 µg/L
		Silver (as Ag)		10 µg/L to 100 µg/L
		Magnesium (as Mg)		
		Sodium (as Na)		
		Nickel (as Ni)		
3.	Oil & Fats	Saturated fats	CFT/SOP/ 10, CFT/SOP/ 11	
	Soya Oil &	Palmetic Acid	(Based on AOAC,996.06	0.1 % to 80 %
	Soya Seed	Heptadecanoic Acid	20 th Edition 2016)	0.1 % to 80 %

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		Stearic Acid	Issue No. :01	0.1 % to 80 %
		Arachidic Acid	Issue Date : 20/10/2012	0.1 % to 80 %
		Heneicosanoic Acid		0.1 % to 80 %
		Lignoceric Acid		0.1 % to 80 %
		Monounsaturated fats		0.1 % to 80 %
		Palmitoleic Acid		0.1 % to 80 %
		Oleic Acid		0.1 % to 80 %
		Polyunsaturated fats		0.1 % to 80 %
		Linoleic Acid		0.1 % to 80 %
		Alpha- Linolenic Acid		0.1 % to 80 %
		Cis-11 Eicosanoic acid		0.1 % to 80 %
		Cis-11, 14- Eicosadienoic Acid		0.1 % to 80 %
		Arachidonic Acid		0.1 % to 80 %
		Cis-5, 8, 11, 14, 17 – Eicosapentaenoic Acid		0.1 % to 80 %
		Trans Fats		0.1 % to 80 %
		Elaidic Acid		0.1 % to 80 %
4.	Alcoholic & Non Alcoholic Beverages	Aldrin	CFT/SOP/29	0.01 mg/L to 10 mg/L
		Dieldrin	(Based on Journal of Chromatography A, 1216	
		cis-Chlordane	(2009) 2307-2319)	
		trans-Chlrodane	Issue No. :01	
		Chlorothalonil	Issue Date : 04/05/2015	
		p,p'-DDT		
		o,p'-DDT		
		p,p'-DDE		
		o,p'-DDE		
		o,p'-TDE (DDD)		
		p,p'-TDE (DDD)		
		Dicofol		
		alpha - Endosulphan		
		beta - Endosulphan		

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		Endosulphan Sulphate		
		Endrin		
		alpha-HCH		
		beta-HCH		
		delta-HCH		
		gamma-HCH		
		Heptachlor		
		Heptachlor epoxide		
		4-bromo-2-chlorophenol		
		Chlorfenvinphos-I		
		Chlorfenvinphos-II		
		Chlorpyrifos		
		Chlorpyrifos-methyl		
		Diazinon		
		Dichlorvos		
		Edifenphos		
		Ethion		
		Etrimphos		
		Fenitrothion		
		Malathion		
		Malaoxon		
		Parathion ethyl		
		Parathion methyl		
		Paraoxon methyl		
		Phorate		
		Phorate-sulfone		
		Phosalone		
		Phosphamidon		
		Pirimiphos-methyl		
		Propetamphos		
		Allethrin		

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		Bioallethrin		
		Bifenthrin		
		Cyfluthrin (including other mixtures of constituent isomers sum of isomers)		0.025 mg/L to 10 mg/L
		Cypermethrin (including other mixtures of constituent isomers sum of isomers)		
		Deltamethrin		0.025 mg/L to 10 mg/L
		Ethofenprox (Etofenprox)		0.01 mg/L to 10 mg/L
		Fenpropathrin		
		Fenvalerate & Esfenvalerate (sum of RR & SS isomers)		
		Fenvalerate & Esfenvalerate (sum of RS & SR isomers)		
		Lambda-cyhalothrin		
		cis-Permethrin		
		trans-permethrin		
		tau- Fluvalinate I		
		tau- Fluvalinate II		
		Transfluthrin		
		Bendiocarb		
		Captafol		
		Captan		
		Isoproturon		
		Oxyfluorfen		
		Pendimethalin		
		Trifluralin		

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		Alachlor		
		Butachlor		
		Metolachlor (with S-Metolachlor)		
		Chlorfenpyr		
		Isoprothiolane		
		Acephate		
		Dimethoate (Including Omethoate)		
		Omethoate		
		Fenthion		
		Fenthion-sulfoxide		
		Iprobenphos		
		Methamidophos		
		Monocrotophos		
		Demeton-S-methylsulfone		0.01 mg/L to 10 mg/L
		Demeton-S-methylsulfoxide		
		Phenthoate		
		Profenophos		
		Quinalphos		
		Temephos		
		Thiometon		
		Triazophos		
		Atrazine		
		Flufenzine		
		Simazine		
		Benalaxyl		
		Metalaxyl		
		Metalaxyl M		
		Oxycarboxin		

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		Propanil		
		Benfuracarb		
		Benomyl		
		Carbaryl		
		Carbofuran		
		Carbosulfan		
		Dazomet (Methyl isothiocyanate)		
		Fenobucarb		
		Indoxacarb (sum of R and S isomers)		
		Iprovalicarb		
		Methomyl		
		Propoxur		
		Thiobencarb (Benthiocarb)		
		Fenarimol		
		Bitertanol		
		Difenoconazole		
		Flusilazole		
		Hexaconazole		
		Myclobutanil		
		Pacllobutrazol		
		Penconazole		
		Propiconazole		
		Tebuconazole		
		Triadimefon		
		Triadimenol		
		Fenamidone		
		Iprodione		0.025 mg/L to 10 mg/L
		Famoxadone		0.01 mg/L to 10 mg/L
		Carbendazim		

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		Thiophanate-methyl		
		Acetamiprid		
		Imidacloprid		
		Thiacloprid		
		Thiamethoxam		
		Clothianidin		0.01 mg/L to 10 mg/L
		Cymoxanil		
		Dimethomorph		
		Tridemorph		
		Difenthiuron		
		Diuron		
		Linuron	CFT/SOP/29	
		Lufenuron	(Based on	
		Pencycuron	Journal of Chromatography	
		Flufenoxuron	A, 1216 (2009) 2307-2319)	
		Azoxystrobin	Issue No. :01	
		Kresoxim methyl	Issue Date : 04/05/2015	
		Pyraclostrobin		
		Trifloxystrobin		
		Fipronil (sum of fipronil+sulfone metabolite)		0.05 mg/L to 10 mg/L
		Fipronil sulfone		0.05 mg/L to 10 mg/L
		Chlorantraniliprole	CFT/SOP/29	0.01 mg/L to 10 mg/L
		Fenpyroximate	(Based on Journal of	
		Carboxin	Chromatography A, 1216	
		Flufenacet (sum of all compounds containing the N fluorophenyl-Nisopropyl moiety expressed as flufenacet equivalent)	(2009) 2307-2319)	
			Issue No. :01	
			Issue Date : 04/05/2015	
		Novaluron		

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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
		Abamectin (sum of avermectin B1a, avermectin B1b and delta-8,9 isomer of avermectin B1a)		
		Azadirachtin		
		Bifenazate		
		Buprofezin		
		Cartap hydrochloride		
		Diflubenzuron		
		Dithianon		
		Dodine		
		Emamectin Benzoate		
		Fenazaquin		
		Flubendiamide		
		Hexythiazox		
		Mandipropamid		
		Mepiquat Chloride		
		Metribuzin		
		Oxadiazon		
		Propargite		
		Pyriproxyfen		
		Spinosad A		
		Spinosad D		
		Spiromesifen		
		Trichlorfon		
		Tricyclazole		
		Spirotetramat		
		Flonicamid		
		Dinotefuran		
		Cyazofamid		
		Cadmium	CFT /SOP/ 07	0.01 mg/L to 10 mg/L

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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
		Copper	[Based on APHA 3125, APHA 3030, (1998)] Issue No. :01 Issue Date : 20/10/2012	0.01 mg/L to 50 mg/L
		Lead		0.01 mg/L to 10 mg/L