Laboratory	**Bhagavathi Ana Labs Pvt. Ltd., Central Laboratory, Plot Nos. 7-2-C/7 & 8, Sanath Nagar Industrial Estate, Sanath Nagar, Hyderabad, Telangana**		
Accreditation Standard	**ISO/IEC 17025: 2005**		
Discipline	**Chemical Testing**	**Issue Date**	**08.12.2014**
Certificate Number	**T-1861**	**Valid Until**	**07.12.2016**
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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.	**FOOD & AGRICULTURAL PRODUCTS**			
1.	**Animal feeds** a)Animal Feed b) Poultry Feed	Moisture	IS 7874 (Part 1): 1975(RA 2004)	0.1 to 15 %
		Crude Protein	IS 7874 (Part 1): 1975(RA 2004)	0.5 to 30 %
		Crude Fat	IS 7874 (Part 1): 1975 (RA 2004)	0.5 to10 %
		Crude Fibre	IS 7874 (Part 1): 1975 (RA 2004)	0.5 to10 %
		Total Ash	IS 7874 (Part 1): 1975 (RA 2004)	0.1 to10 %
		Acid Insoluble Ash	IS 7874 (Part 1): 1975 (RA 2004)	0.1 to 5.0 %
		Salt as NaCl	IS 7874 (Part 2): 1975 (RA: 2004)	0.1 to 5 %
		Calcium as Ca	IS 13433 (Part 1): 2002	0.1 to 40 %
		Magnesium	IS 15121: 2002	0.1 to1000 mg/kg
		Manganese	IS 15121: 2002	1 to 2000 mg/kg
		Iron	IS 15121: 2002	1 to 2000 mg/kg
		Phosphorous	IS 7874(Pt 2): 1975 (RA: 2004)	0.5 to15 %
		Iodine	IS 7874 (Part 2): 1975 (RA: 2004)	0.1 to100 mg/kg
		Copper	IS 15121: 2002	1 to 2000 mg/Kg
		Zinc	IS 15121: 2002	0.5 to1000 mg/Kg
		Metals		
		Arsenic	Validated SOP No. F- 09 Issue No:1.0 Issue Dt: :02.06.2010	0.01 to 1.0 mg/kg
		Lead		0.01 to 1.0 mg/kg
		Cadmium		0.01 to 1.0 mg/kg
		Mercury		0.01 to 1.0 mg/kg

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2.	**Bakery & Confectionery Products** (Biscuits)	Moisture	IS 1011: 2002	0.5 to15 %
		Acid Insoluble Ash (dry basis)	IS 1011: 2002	0.1 to 5%
		Acidity of Extracted Fat (as oleic acid)	IS 1011: 2002	0.1 to 5.0%
		Metals		
		Arsenic	Validated Test method No.F-10 Issue No:1.0 Issue Dt: 01.06.2010	0.01 to 10 mg/kg
		Lead		0.01 to 10 mg/kg
		Cadmium		0.01 to 10 mg/kg
		Zinc	Validated Test method No.F-10 Issue No:2.0 Issue Dt:.: 09.10.2014	0.5 to 50 mg/kg
		Nickel		0.5 to 50 mg/kg
		Copper		0.5 to 50 mg/kg
		Iron		0.5 to 50 mg/kg
		Chromium	Validated Test method No.F-10 Issue No:1.0 Issue Dt: 01.06.2010	0.01 to 10 mg/kg
		Mercury		0.01 to 1.0 mg/kg
3.	**Cereals, pulses, and by-products** a)Rice b)Wheat Atta c)Corn / Maize- d) Chana dall	Moisture	AOAC 925.10, 19th Edn	0.5 to 15 %
		Total Ash	AOAC 923.03, 19th Edn	0.1 to10%
		Alcoholic Acidity expressed as H_2SO_4	IS 1009: 1979 (RA 2005)	0.05 to 0.4%
		Protein	AOAC 19th Edn 979.09	0.5 to 30%

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Cereals, pulses, and by-products	**Metals**		
		Arsenic	Validated Test Method No.F-01 Issue No:1.0 Issue Dt:.:06.05.2010	0.01 to 10 mg/kg
		Lead		0.01 to 10 mg/kg
		Cadmium		0.01 to 10 mg/kg
		Zinc		0.01 to 50 mg/kg
		Nickel		0.01 to 10 mg/kg
		Copper		0.01 to 10 mg/kg
		Iron		0.01 to 100 mg/kg
		Chromium		0.01 to 10 mg/kg
		Mercury		0.01 to 1.0 mg/kg
4.	**Coffee, Cocoa and by- products** Soluble Coffee Powder	Moisture	IS 2791: 1992 AOAC 19th Edn 968.11	0.1 to10%
		Total Ash on dry basis	IS 2791: 1992 AOAC 19th Edn 920.93	0.1 to 5%
		Caffeine	AOAC 19th Edn. 960.25	0.5 to 5%
		Solubility in Boiling Water	IS 2791: 1992	20 to 50 seconds
		Solubility in Cold Water	IS 2791: 1992 (RA1998)	3 to 5 minutes
		Metals		
		Arsenic	Validated Test Method No.F-11 Issue No:1.0 Issue Dt::10.06.2010	0.01 to 10 mg/kg
		Lead		0.01 to 10 mg/kg
		Cadmium		0.01 to 10 mg/kg
		Zinc		0.01 to 50 mg/kg
		Nickel		0.01 to 10 mg/kg
		Copper		0.01 to 10 mg/kg
		Iron		0.01 to 100 mg/kg
		Chromium		0.01 to 10 mg/kg
		Mercury		0.01 to 1.0 mg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
5.	**Tea and Tea products**	Total Ash	IS 13854: 1994(RA 1999)	0.1 to15 %
		Water soluble Ash of total ash	IS 13855: 1993(RA 1998)	1 to 50 %
		Acid insoluble Ash	IS 13857: 1993 (RA 1998)	0.1 to 5 %
		Alkalinity of water soluble Ash as K_2O	IS 13856: 1993 (RA 1998)	0.1 to 5 %
		Crude Fiber	IS 10226(Part 1): 1982 (RA 2005)	0.5 to 25 %
		Water extract	IS 13862: 1999	1.0 to 45 %
		Metals		
		Arsenic	Validated Test Method No.F-12 Issue No:1.0 Issue Dt:20.05.2010	0.01 to 10 mg/kg
		Lead		0.01 to 10 mg/kg
		Cadmium		0.01 to 10 mg/kg
		Zinc	Validated Test Method No.F-12 Issue No:2.0 Issue Dt:09.10.2014	1.0 to 100 mg/kg
		Nickel		1.0 to 100 mg/kg
		Copper		1.0 to 100 mg/kg
		Iron		1.0 to 100 mg/kg
		Total Chromium	Validated Test Method No.F-12 Issue No:1.0 Issue Dt:20.05.2010	0.01 to 10 mg/kg
		Mercury		0.01 to 1.0 mg/kg
6.	**Milk & Dairy products** a) Skimmed Milk Powder b) Condensed Milk	Total Solids	IS 12333: 1997 (RA 2003)	1 to 100%
		Insolubility Index	IS 12759: 1989 (RA 2005)	0.1 to 1.0 ml
		Moisture	IS 11623: 2008	0.5 to 15%
		Milk Fat	IS 11721: 2005	0.5 to 10 %
		Protein	IS 7219: 2005	1.0 to 30.0%
		Titrable Acidity	IS 11766: 1986 (RA 2003) IS 1166: 1986 (RA 2003)	0.1 to 4.0 %

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Melamine	Validated SOP No. R-39 Issue No: 1.0 Issue Dt: 20.08.2010	10 mg/kg and above
		Metals		
		Arsenic	Validated Test Method No.F-02 Issue No:1.0 Issue Dt.:02.07.2010	0.01 to 10 mg/kg
		Lead		0.008 to 10 mg/kg
		Cadmium		0.008 to 10 mg/kg
		Zinc	Validated Test Method No.F-02 Issue No:2.0 Issue Dt.:09.10.2014	0.5 to 50 mg/kg
		Nickel		0.5 to 10 mg/kg
		Copper		0.5 to 10 mg/kg
		Iron		0.5 to 100 mg/kg
		Chromium	Validated Test Method No.F-02, Issue No:1.0 Issue Dt.:02.07.2010	0.01 to 10 mg/kg
		Mercury		0.01 to 1.0 mg/kg
		Antibiotic residues		
		I) Nitrofurans & Its metabolites: Furazolidone, Furaltadone, Nitrofurantoine Nitrofurazone,	Test Method No.R-46-1 Issue No:1.0 Issue Dt.:10.02.2010	1.0 to 20 µg/kg
		AOZ (Metabolite of Furazolidone)		1.0 to 20 µg/kg
		AMOZ (Metabolite of Furaltadone)		1.0 to 20 µg/kg
		AHD (Metabolite of Nitrofurantoine)		1.0 to 20 µg/kg
		SEM (Metabolite of Nitrofurazone)		1.0 to 20 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Milk & Dairy products	II) Sulfonamides : Sulfamethazine, sulfisoxazole, Sulfamerazine,sulfaquinoxaline, sulfanilamide, sulfapyridine, sulfadiazine,sulfaacetamide, sulfathiazole,sulfamethiazole, sulfamethaxazole	Test Method No.R-46-4 Issue No:1.0 Issue Dt.:10.01.2010	10.0 to 200 µg/kg
		III) Tetracyclines	Test Method No.R-46-3 Issue No:1.0 Issue Dt.:24.01.2010	10 to 200 µg/kg
		Tetracycline		10 to 200 µg/kg
		Oxyteracycline		10 to 200 µg/kg
		Chlortetracycline		10 to 200 µg/kg
		Doxycycline		10 to 200 µg/kg
		IV) Chloramphenicol	Test Metthod NoR-46-1 Issue No: 1.0 Issue Dt.:22.02.2010	0.1 to 5.0 µg/kg
		V) Macrolides	Test Method No.R-46-9 Issue No:1.0 Issue Dt.: 01.03.2010	10 to 500 µg/kg
		Erithromycin, Josamycin,		10 to 500 µg/kg
		Lincomycin		10 to 500 µg/kg
		VI) Fluoroquinolones	Test Method No. R-40I Issue No:1.0 Issue Dt.:08.03.2010	10 to 500 µg/kg
		Ciprofloxacin,		10 to 500 µg/kg
		Enrofloxacin		10 to 500 µg/kg
		Sarafloxacin		10 to 500 µg/kg
		Difloxacin		10 to 500 µg/kg
7.	**Ice-creams**	Weight in gms per litre	IS 2802: 1964 Annex A	10 to 900 g
		Total Solids	IS 2802: 1964 Annex B	1 to 50 %
		Milk fat	IS 2802: 1964 Annex C	1 to 20 %
		Acidity	IS 2802: 1964 Annex D	0.1 to 1.0 %

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Ice-creams	Sucrose	IS 2802: 1964 Annex E	5 to 20 %
8.	**Fish and Fishery Products**	**Antibiotic residues**		
		Nitrofurans : Furazolidone, Furaltadone, Nitrofurantoine Nitrofurazone	Validated Test Method No R-47-2 Issue No:3.0 Issue Dt.:29.08.2014	1.0 to 20 µg/kg
		AOZ (Metabolite of Furazolidone)		1.0 to 20 µg/kg
		AMOZ (Metabolite of Furaltadone)		1.0 to 20 µg/kg
		AHD (Metabolite of Nitrofurantoine)		1.0 to 20 µg/kg
		SEM (Metabolite of Nitrofurazone)		1.0 to 20 µg/kg
		Sulfonamides: Sulfamethazine, sulfisoxazole, Sulfamerazine,sulfaquinoxaline, sulfanilamide, sulfapyridine, sulfadiazine,sulfaacetamide, sulfathiazole,sulfamethiazole, sulfamethaxazole	Validated No. Test Method R-47-4 Issue No:2.0 Issue Dt.:15.03.2014	10 to 200 µg/kg
		Tetracyclines & their epimers	Validated Test Method No. R-47-3 Issue No:2.0 Issue Dt.:30.03.2014	10 to 200 µg/kg
		Tetracycline & its 4-epimer		10 to 200 µg/kg
		Oxyteracycline& its 4-epimer		10 to 200 µg/kg
		Chlortetracycline& its 4-epimer		10 to 200 µg/kg
		Chloramphenicol	Validated SOP No. R-47-1 Issue No:3.0 Issue Dt.: 29.08.2014	0.1 to10 µg/kg
		Macrolides	Validated SOP No. R-04-7E Issue No:1.0 Issue Dt.: 10.04.2010	10 to 500 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fish and Fishery Products	Erythromycin, Josamycin, Lincomycin	Validated SOP No. R-04-7E Issue No:1.0 Issue Dt.: 10.04.2010	10 to 500 µg/kg 10 to 500 µg/kg
		Sum of Malachite and Leucomalachite Green in fish & fishery products only	Test Method No.R-47-25 Issue No:3.0 Issue Dt.:29.08.2014	1 to 50 µg/kg
		Fluoroquinolones Ciprofloxacin, Enrofloxacin Sarafloxacin Difloxacin	Validated Test Method No. R-04-7I Issue No:1.0 Issue Dt.:06.06.2010	10 to 500 µg/kg 10 to 500 µg/kg 10 to 500 µg/kg 10 to 500 µg/kg 10 to 500 µg/kg
		Metals / Minerals		
		Arsenic Lead Cadmium Mercury Nickel	Validated SOP R-47-27 Issue No:2.0 Issue Dt.:20.06.2014	0.01 to 10 mg/kg 0.01 to 10 mg/kg 0.01 to 10 mg/kg 0.01 to 50 mg/kg 0.01 to 10 mg/kg
		Copper Iron Chromium Zinc	Validated SOP R-47-27 Issue No:1.0 Issue Dt.:14.05.2010	0.01 to 10 mg/kg 0.01 to 100 mg/kg 0.01 to 10 mg/kg 0.01 to 1.0 mg/kg
		Methyl Mercury	Test Method No. R-41 Issue No:1.0, Issue Dt.:22.03.2010	20 to 100 µg/kg
		Diethyl stilbestrol	Validated Test Method R-47-12 Issue No:1.0, Issue Dt.:22.05.2010	1 to 20 µg/kg
		Progesteron		1 to 20 µg/kg
		Estradiol		1 to 20 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fish and Fishery Products	Oxalinic Acid	Test method No. R-47-17; Issue No:2.0, Issue Dt: 14.02.2014	10 to 200 µg/kg
		Ivermectin	Test method No. R-47-14 ; Issue No:1.0, Issue Dt:10.06.2010	10 to 200 µg/kg
9.	**Meat and Meat Products**	**Antibiotic residues**		
		I) Nitrofurans & Its metabolites: Furazolidone, Furaltadone, Nitrofurantoine Nitrofurazone	Validated Test Method No R-49-2 Issue No:2.0 Issue Dt.:01.02.2013	1.0 to 20 µg/kg
		AOZ (Metabolite of Furazolidone)		1.0 to 20 µg/kg
		AMOZ (Metabolite of Furaltadone)		1.0 to 20 µg/kg
		AHD (Metabolite of Nitrofurantoine)		1.0 to 20 µg/kg
		SEM (Metabolite of Nitrofurazone)		1.0 to 20 µg/kg
		<u>Sulfonamides:</u> Sulfamethazine, sulfisoxazole, Sulfamerazine,sulfaquinoxaline, sulfanilamide, sulfapyridine, sulfadiazine,sulfaacetamide, sulfathiazole,sulfamethiazole, sulfamethaxazole	Validated No. Test Method R-49-4 Issue No:2.0 Issue Dt.:24.01.2012	10 to 200 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Meat and Meat Products	Tetracyclines	Validated Test Method: R-49-3 Issue No:2.0 Issue Dt.:16.03.2013	10 to 200 µg/kg
		Tetracycline & its 4-epimer		10 to 200 µg/kg
		Oxyteracycline & its 4-epimer		10 to 200 µg/kg
		Chlortetracycline & its 4-epimer		10 to 200 µg/kg
		Doxycycline		10 to 200 µg/kg
		Chloramphenicol	Validated SOP No. R-49-1 Issue No:2.0 Issue Dt.:29.01.2013	0.1 to10 µg/kg
		Macrolides	Validated SOP No. R-04-7E Issue No:1.0 Issue Dt.:12.07.2010	10 to 500 µg/kg
		Erythromycin, Josamycin,		10 to 500 µg/kg
		Lincomycin		10 to 500 µg/kg
		VII) Fluoroquinolones	Validated Test Method No. R-49-17 Issue No:2.0 Issue Dt.:25.01.2012	10 to 200 µg/kg
		Ciprofloxacin,		10 to 200 µg/kg
		Enrofloxacin		10 to 200 µg/kg
		Sarafloxacin		10 to 200 µg/kg
		Difloxacin		10 to 200 µg/kg
		Flumequin		10 to 200 µg/kg
		Oxalinic acid		10 to 200 µg/kg
		Amoxycillin	Validated Test Method No. R-49-10 Issue No:1.0, Issue Dt.:04.06.2010	10 to 200 µg/kg
		Diethylstilbistrol	Test method No.-R-49-12 Issue No:1.0 Issue Dt.:18.06.2010	1 to 20 µg/kg
		Hexoestrol		1 to 20 µg/kg
		Dienoestrol		1 to 20 µg/kg
		Trenbolone		1 to 20 µg/kg
		19-nortestosterone		1 to 20 µg/kg
		Testosteron		1 to 20 µg/kg
		Estradiol 17-β		1 to 20 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Meat and Meat Products	Taleranol	Test method No.-R-49-15 Issue No: 1, Issue Dt.: 12-02-2013	1 to 20 µg/kg
		Zearalaone		1 to 20 µg/kg
		Zeranol		1 to 20 µg/kg
		Clenbuterol	Test method No.-R-49-16 Issue No:2.0 Issue Dt.:02.02.2012	1 to 20 µg/kg
		Salbutamol		1 to 20 µg/kg
		Mabuterol		1 to 20 µg/kg
		Ronidazole	Test method No.-R-49-5 Issue No:1.0 Issue Dt.:12.06.2010	1 to 50 µg/kg
		Dimetridazole		1 to 50 µg/kg
		Metronidazole		1 to 50 µg/kg
		Ipronidazole		1 to 50 µg/kg
		Ivermectin	Test method No.-R-49-14 Issue No:2.0 Issue Dt.:31.02.2012	10 to 200 µg/kg
		Doramectin		10 to 200 µg/kg
		Moxidectin		10 to 200 µg/kg
		Albendazole	Test method No. R-49-6 Issue No:2.0 Issue Dt.:28.01.2012	10 to 200 µg/kg
		Fenbendazole		10 to 200 µg/kg
		Flubendazole		10 to 200 µg/kg
		Mebendazole		10 to 200 µg/kg
		Phenyl butazone	SOP No. R-49-8 Issue No:2.0; Issue Dt.:14.02.2013	1 to 20 µg/kg
		Lasalocid	SOP No. R- 49-18 Issue No:1.0; Issue Dt.:24.06.2010	10 to 100 µg/kg
		Salinomycin	Test method No. R- 49-19 Issue No:1.0; Issue Dt.:20.03.2010	1 to 20 µg/kg
		Nicarbazine	Test method No. R- 49-21 Issue No:1.0; Issue Dt.:26.03.2010	1 to 20 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Meat and Meat Products	Diclazuril	Test method No. R- 49-22 Issue No:1.0; Issue Dt.:01.04.2010	1 to 20 µg/kg
		Monensin	Test method No.. R- 49-19 Issue No:2.0; Issue Dt.:25.01.2012	1 to 20 µg/kg
		Maduramycin		1 to 20 µg/kg
		Decoquinate		1 to 20 µg/kg
		Metals / Minerals		
		a)Arsenic	Validated SOP No.F-03 , Issue No:1.0 Issue Dt.:04.04.2010	0.01 to 10 mg/kg
		b) Lead	Validated SOP No.F-03 , Issue No:1.0 Issue Dt.:04.04.2010	0.01 to 10 mg/kg
		c) Cadmium		0.01 to 10 mg/kg
		d) Zinc		0.01 to 50 mg/kg
		e) Nickel		0.01 to 10 mg/kg
		f) Copper		0.01 to 10 mg/kg
		g) Iron		0.01 to 100 mg/kg
		h) Chromium		0.01 to 10 mg/kg
		j) Mercury		0.01 to 1.0 mg/kg
		PCBs	Test method No.R-49-28 Issue No:2.0; Issue Dt.:18.05.2014	10 to 100 µg/kg
10.	**Egg & Egg Products**	**Antibiotic residues**		
		Nitrofurans & Its metabolites: Furazolidone, Furaltadone, Nitrofurantoine Nitrofurazone	Validated Test Method No R-50-2 Issue No:2.0 Issue Dt.:01.02.2013	1.0 to 20 µg/kg
		AOZ (Metabolite of Furazolidone)		1.0 to 20 µg/kg
		AMOZ (Metabolite of Furaltadone)		1.0 to 20 µg/kg
		AHD (Metabolite of Nitrofurantoine)		1.0 to 20 µg/kg
		SEM (Metabolite of Nitrofurazone)		1.0 to 20 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Egg & Egg Products	**Sulfonamides:** Sulfaacetamide,Sulfadi- azine, Sulfadoxine, Sulfamerazine, Sulfam -ethazine, Sulfamethiazole, Sulfamethoxazole, Sulfamethoxypyridaz-ine, Sulfanilamide, Sulfapyridine, Sulfa-quinoxaline, Sulfathiazole, Sulfis-oxazole & Trimethoprim	Validated No. Test Method R-50-4 Issue No:2.0 Issue Dt.:27.06.2014	10 to 20 µg/kg
		Ietracyclines Tetracycline & 4-epimer Oxyteracycline & 4-epimer Chlortetracycline & 4-epimer Doxycycline	Validated Test Method No. R-50-3 Issue No:2.0 Issue Dt.:16.05.2014	10 to 200 µg/kg 10 to 200 µg/kg 10 to 200 µg/kg 10 to 200 µg/kg 10 to 200 µg/kg
		Chloramphenicol	Validated SOP No. R-50-1 Issue No:2.0; Issue Dt.:29.01.2013	0.1 to10 µg/kg
		Macrolides Erythromycin, Tylosin Lincomycin	Test method No.R-50-9 Issue No:2.0 Issue Dt.:27.01.2012	10 to 200 µg/kg 10 to 200 µg/kg 10 to 200 µg/kg 10 to 200 µg/kg
		Neomycin Spectinomycin Amoxycillin Ampicillin	Test method No. R-50-10 Issue No:2.0 Issue Dt.:27.01.2012	10 to 200 µg/kg 10 to 200 µg/kg 10 to 200 µg/kg 10 to 200 µg/kg
		Colistin	Test method No.R-50-20 Issue No:2.0 Issue Dt.:01.02.2013	10 to 300 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Egg & Egg Products	Dimetridazole	Test method No.-R-50-5 Issue No:1.0 Issue Dt.:10.12.2011	1 to120 µg/kg
		Metronidazole		1 to 10 µg/kg
		Ronidazole		1 to 10 µg/kg
		Ipronidazole		1 to 10 µg/kg
		Tiamulin	Test method No.-R-50-24 Issue No:1.0; Issue Dt.:24.04.2011	500 to 2000 µg/kg
		Lasalocid	SOP No. R- 50-18 Issue No:1.0; Issue Dt.:16.10.2010	50 to 500 µg/kg
		Piperzine	Test method No.R- 50-23 Issue No:1.0; Issue Dt.:13.04.2011	1000 to 4000 µg/kg
		Flubendazole	Test method No.R- 50-6 Issue No:1.0; Issue Dt.:20.03.2011	100 to 1000 µg/kg
		VII) Fluoroquinolones	Validated Test Method No. R-50-17 Issue No:1.0 Issue Dt.:16.04.2011	10 to 100 µg/kg
		Ciprofloxacin,		10 to 100 µg/kg
		Enrofloxacin		10 to 100 µg/kg
		VIII) Metals / Minerals		10 to 100 µg/kg
		Arsenic	Validated SOP No.F-03 Issue No:1.0 Issue Dt.:06.08.2010	0.01 to 10 mg/kg
		Lead		0.01 to 10 mg/kg
		Cadmium		0.01 to 10 mg/kg
		Zinc	Validated SOP No.F-03 Issue No:2.0 Issue Dt.:10.10.2014	0.5 to 50 mg/kg
		Nickel		0.5 to 10 mg/kg
		Copper		0.5 to 10 mg/kg
		Iron		0.5 to 100 mg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Egg & Egg Products	Chromium Mercury	Validated SOP No.F-03 Issue No:1.0 Issue Dt.:06.08.2010	0.01 to 10 mg/kg 0.01 to 1.0 mg/kg
		PCBs	Test method No.-R-50-28 Issue No:2.0; Issue Dt.:06.05.2014	10 to 100 µg/kg
11.	**Food Additives in food products**	Content of: Tertiary Butyl Hydro Quin-one, Butylated Hydroxy Anisole, Butylated Hydroxy Toluene	AOAC 19th Edn 983.15	50 to 1000 mg/kg
		Aspartame,AcesulfameK, Sunset yellow, Tartrazine	Lab Manual-8, Manual of Methods of analysis-DGHS (R 51 & R 52; Issue No.2.0; Issue Dt:27.10.2012)	5 to 100 mg/kg
		Vitamin C, mg/100 g or ml	AOAC 19th Edn -967.21	5 to 100 mg /100 g
		Vitamin B2 Vitamin B3 Vitamin B5	Test Method F- 17 Issue No:2.0 Issue Dt.:26.12.2013	1 to 50 mg /L 1 to 50 mg /L 1 to 50 mg /L
		Caffeine	Test method R-51 Issue No:2.0 Issue Dt.:27.10.2012	1 to 200 mg/L
		Benzoic acid		10 to 200 mg/L
		Phosphoric acid	APHA- 4500-PC	0.5 to 10 %
		Ponceau-4R	Test method R-52 , Issue No:2.0; dt.:27.10.2012	10 to 100 mg/L
		Indigo caramine	Test method R-52 , Issue No:2.0; Dt.:27.10.2012	10 to 100 mg/L

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Food Additives in food products	Agaric acid	Test method R-53, Issue No:1.0; Dt.:25.07.2011	5 to 200 mg/L
		Hydrocyanic acid	Test method R-56, Issue No:2.0; Dt.:27.10.2012	1 to 10 mg/L
		Hypericin	Test method R-54, Issue No:1.0; Dt.:11.12.2011	0.2 to 5 mg/L
		Saffrole	Test method R-55, Issue No:2.0; Dt.:23.06.2014	1 to 10 mg/L
12.	**Fruits & , Vegetable Products, Fruit Juices & Concentrates** a) Grapes b) Pomegranates c)Cabbage d) Fruit juice e) Fruit pulp	Total Solids	AOAC 19th Edn 920.151	0.1 to 80%
		Glucose / Fructose / Sucrose	AOAC 19th Edn 925.35	0.5 % and above
		Sorbic acid	Test method R-51, Issue No:2.0 Dt.:27.10.2012	10 to 300 mg / L
		Acidity Titrable	AOAC 19th Edn 942.15	0.5 to 5 g/100g or mL
		pH	AOAC 19th Edn 981.12	1 to14 units
		Sodium / Potassium,	AOAC 19th Edn 984.27 Ch. 50.1.15	1 to 500 mg/Kg
		Metals		
		Arsenic	Validated Test Method No.F-04 Issue No:1.0 Issue Dt.:02.07.2010	0.01 to 10 mg/kg
		Lead		0.01 to 10 mg/kg
		Cadmium		0.01 to 10 mg/kg
		Tin		0.01 to 10 mg/kg
		Zinc	Validated Test Method No.F-04 Issue No:2.0 Issue Dt.:09.10.2014	0.5 to 50 mg/kg
		Nickel		0.5 to 10 mg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fruits & , Vegetable Products, Fruit Juices & Concentrates	Copper	Validated Test Method No.F-04 Issue No:2.0 Issue Dt.:09.10.2014	0.5 to 10 mg/kg
		Antimony		0.5 to 10 mg/kg
		Iron	Validated Test Method No.F-04 Issue No:1.0 Issue Dt.:02.07.2010	0.01 to 100 mg/kg
		Chromium		0.01 to 1.0 mg/Kg
		Mercury		0.01 to 1.0 mg/kg
13.	**Infant Foods** Milk-Cereal based complementary foods Complementary foods Infant milk substitute	**Proximate Analysis**		
		Moisture	IS 11623: 2008	0.5 to 15%
		Total Ash	IS 14433: 2007 AOAC 19th Edn 945.46	0.1 to10%
		Acid insoluble Ash	IS 14433 (Part 1): 1997 (RA 2005)	0.01 to10%
		Protein	IS 7219: 1973 (RA 2005) AOAC 19th Edn 991.2 & 955.04	0.2 to 20. %
		Fat	IS 11721: 2005	0.5 to 15 %
		Carbohydrate	AOAC 19th Edn 986.25	0.5 to 75 %
		Sodium / Potassium / Manganese	AOAC 19th Edn 984.27	1 to 200 mg/Kg
		Metals		
		Arsenic	Validated Test Method No.F-14 Issue No:1.0 Issue Dt.:20.06.2010	0.01 to 10 mg/kg
		Lead		0.01 to 10 mg/kg
		Cadmium		0.01 to 10 mg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Infant Foods	Zinc	Validated Test Method No.F-14 Issue No:2.0 Issue Dt.:09.10.2014	0.5 to 50 mg/kg
		Nickel		0.5 to 10 mg/kg
		Copper		0.5 to 10 mg/kg
		Iron		0.5 to 100 mg/kg
		Chromium	Validated Test Method No.F-14 Issue No:1.0 Issue Dt.:20.06.2010	0.01 to 10 mg/kg
		Mercury		0.01 to 1.0 mg/kg
14.	**Spices & Condiments** a) Coriander b) Chilli c) Mixed Spice powder	Moisture	AOAC 19th Edn 986.21	0.5 to 15 %
		Total Ash	AOAC 19th Edn 941.12	0.5 to 15 %
		Crude Fiber	AOAC 19th Edn 962.09 E	0.5 to 10 %
		Ether extract	AOAC 19th Edn 920.172	1.0 to 5 %
		Dyes		
		Sudan I	Valid. Test Method No. R-19 Issue No:2.0 Issue Dt.:12.11.2012	10 to 200 µg/Kg
		Sudan II		10 to 200 µg/Kg
		Sudan III		10 to 200 µg/Kg
		Sudan IV		10 to 200 µg/Kg
		Metals		
		Arsenic	Validated Test Method No.F-05 Issue No:1.0 Issue Dt.:20.04.2010	0.01 to 10 mg/kg
		Lead		0.01 to 10 mg/kg
		Cadmium		0.01 to 10 mg/kg
		Zinc		0.01 to 50 mg/kg
		Nickel		0.01 to 10 mg/kg
		Copper		0.01 to 10 mg/kg
		Iron		0.01 to 100 mg/kg
		Chromium		0.01 to 10 mg/kg
		Mercury		0.01 to 1.0 mg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
15.	**Sugar, and by-products** a) Sugar b) Syrup	Moisture	IS 15279: 2003 (RA 2008)	0.1 to 1.0 %
		Sucrose content	IS 15279: 2003 (RA 2008)	1.0 to 100 %
		Metals		
		Arsenic	Validated SOP No.F-06 Issue No:1.0 Issue Dt.:02.04.2010	0.01 to 10 mg/kg
		Lead		0.01 to 10 mg/kg
		Cadmium		0.01 to 10 mg/kg
		Zinc		0.01 to 50 mg/kg
		Nickel		0.01 to 10 mg/kg
		Copper		0.01 to 10 mg/kg
		Iron		0.01 to 100 mg/kg
		Chromium		0.01 to 10 mg/kg
		Mercury		0.01 to 1.0 mg/kg
16.	**Alcoholic drinks & beverages** a) Soft drinks b) Carbonated beverages	Brix units	IS 2346-92 RA 2003 /AOAC 19th Edn (932.14)	1 to 15 ^{o} brix
		pH units	APHA 4500 H^{+} B	1 to14 units
		Polychlorinated Biphenyls	IS:13428 Annex M USEPA 508:Rev 3.0(1989)	0.1 to 50 µg/L
		Metals		
		Arsenic	Validated Test Method No.F-13 Issue No:1.0 Issue Dt.:20.06.2011	0.01 to 10 mg/kg
		Lead		0.01 to 10 mg/kg
		Cadmium		0.01 to 10 mg/kg
		Zinc		0.01 to 50 mg/kg
		Nickel		0.01 to 10 mg/kg
		Antimony		0.01 to 10 mg/kg
		Tin		0.01 to 100 mg/kg
		Copper		0.01 to 10 mg/kg
		Iron		0.01 to 100 mg/kg
		Chromium		0.01 to 10 mg/kg
		Mercury		0.01 to 1.0 mg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
17.	**Nuts & nut products**	Fat Crude / Oil content	AOAC 19th Edn 948.22	0.5 to 60 %
		Protein crude	AOAC 19th Edn 950.48	0.5 to 40 %
		Ash	AOAC 19th Edn 950.49	0.2 to 15 %
		Metals		
		Arsenic	Validated SOP No.F-15, Issue No:1.0 Issue Dt.:10.09.2010	0.01 to 10 mg/kg
		Lead		0.01 to 10 mg/kg
		Cadmium		0.01 to 10 mg/kg
		Zinc	Validated SOP No.F-15 Issue No:2.0 Issue Dt.:09.10.2014	0.5 to 50 mg/kg
		Nickel		0.5 to 10 mg/kg
		Copper		0.5 to 10 mg/kg
		Iron		0.5 to 100 mg/kg
		Chromium	Validated SOP No.F-15, Issue No:1.0 Issue Dt.:10.09.2010	0.01 to 10 mg/kg
		Mercury		0.01 to 1.0 mg/kg
18.	**Guargum**	Pentachlorophenol	Test method No. R to38 Issue No.:2.0; Issue Dt:12.11.2012	10 to 100µg/Kg
		Metals	SOP No.F-16 Issue No: 1.0 Issue Dt.:20.08.2010	
		Arsenic		0.01 to 10 mg/kg
		Lead		0.01 to 10 mg/kg
		Cadmium		0.01 to 10 mg/kg
		Zinc		0.01 to 50 mg/kg
		Nickel		0.01 to 10 mg/kg
		Copper		0.01 to 10 mg/kg
		Iron		0.01 to 100 mg/kg
		Chromium		0.01 to 10 mg/kg
		Mercury		0.01 to 1.0 mg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
19.	**Oils, Fats and Related Products** a) Ground Nut oil b) Sunflower oil c) Ghee d) Soyabean oil e) Ricebran oil	Iodine Value	IS 548 (Part 1): 1964 (RA 2000)	50 to 250 units
		Moisture	IS 548 (Part 1): 1964 (RA 2006)	0.5 to 2 %
		Saponification Value,	IS 548 (Part): 1964 (RA 2006)	100 to 300 units
		Unsaponifiable Matter	IS 548 (Part 1): 1964 (RA 2006)	0.5 to 2 %
		FFA as Oleic Acid, Acid Value	IS 548 (Part 1): 1964 (RA2006)	0.1 to 5
		Specific Gravity	IS 548 (Part 1): 1964 (RA2006)	0.500 to 1.000
		Fatty Acid Profile [Stearic Acid, Oleic Acid, Myristic Acid, Palmitic Acid, Palmitoleic Acid, Petroselenic Acid, Behenic Acid, Erucic Acid, etc.]	AOAC 19th Edn 963.22 & AOAC 19th Edn 969.33	0.1 to 50%
		Omega 3 fatty acids Omega 6 fatty acids Trans Fatty acids	AOCS CE 1H-05 / AOAC 19th Edn 996.06	0.1 to10 %
		Cholesterol	AOAC 19th Edn 994.10	1 to100 mg/kg
20.	**Tinned / Packed / Ready to Eat Foods**	pH units	AOAC 19th Edn 943.02	1 to14 units
		Ash	AOAC 19th Edn 923.03	0.2 to 15 %
		Moisture	AOAC 19th Edn 925.10	0.2 to 15 %
		Metals		
		Arsenic	SOP No.F-07 Issue No:1.0 Issue Dt.: 17.08.2010	0.01 to 10 mg/kg
		Lead		0.01 to 10 mg/kg
		Cadmium		0.01 to 10 mg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Tinned / Packed / Ready to Eat Foods	Zinc	SOP No.F-07 Issue No:1.0 Issue Dt.: 17.08.2010	0.01 to 50 mg/kg
		Nickel		0.01 to 10 mg/kg
		Copper		0.01 to 10 mg/kg
		Iron		0.01 to 100 mg/kg
		Chromium		0.01 to 10 mg/kg
		Mercury		0.01 to 1.0 mg/kg
		Tin		0.01 to 1.0 mg/kg
		Dyes		
		Sudan I	Valid. Test Method No. R-19 Issue No:2.0 Issue Dt.:12.11.2012	10 to 200 µg/kg
		Sudan II		10 to 200 µg/kg
		Sudan III		10 to 200 µg/kg
		Sudan IV		10 to 200 µg/kg
		Tertiary Butyl Hydro Quinone, Butylated Hydroxy Anisole, Butylated Hydroxy Toluene	AOAC 19th Edn 983.15	50 to 100 mg/kg
		Nutritional Labelling parameters		
		Energy (Total Calories)	Test method No.:G-27; Issue No.:1.0;Issue Dt: 12.11.2014	100 to 5000 Calories
		Protein	AOAC 19th Edn 988.05	0.5 to 30%
		Carbohydrate	AOAC 19th Edn 986.25	0.5 to 80 %
		Fat	AOAC 19th Edn 920.85	0.5 to 15 %
		Sodium	AOAC 19th Edn 969.23	50 to 500 mg/kg
		Sugar as Sucrose	AOAC 19th Edn 939.03	0.5 to 25 %

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Tinned / Packed / Ready to Eat Foods	Dietary Fiber	AOAC 19th Edn 991.42 /991.43 IS 11062: 1984 (RA 2005)	0.5 to 10 %
		Calcium	AOAC 19th Edn 984.27 Ch. 50.1.15	0.5 to 250 mg / kg
		Vitamin A	IS 5886: 1970 (RA 2005) Cl. 5	100 to 1000 µg / 100g
		Vitamin C	AOAC 19th Edn -967.21 ch. 45.1.14	5 to 250 mg /100 g
		Saturated Fatty Acids	AOCS CE 1H-05 / AOAC 19th Edn 996.06/ AOAC 19th Edn 963.22 & AOAC 19th Edn 969.33	1 to 20%
		Mono & poly unsaturated Fatty Acids		1 to 20%
		Omega 3 fatty acids		1 to 20%
		Omega 6 fatty acids		1 to 20%
		Cholesterol	AOAC 19th Edn 994.10	1 to100 mg/kg
		Calories from Fat	Test method No.:G-27; Issue No.:1.0;Issue Dt: 12.11.2014	5 to 900 Kcal
		Soluble Fiber	AOAC 19th Edn 991.43	0.5 to 15 %
		Potassium	AOAC 19th Edn 984.27	1 to 500 mg/Kg
21.	**Plant Extracts / Herbal products**	Arsenic	Validated Test Method No.F-08 Issue No:1.0 Issue Dt:17.07.2010	0.01 to 10 mg/kg
		Lead		0.01 to 10 mg/kg
		Cadmium		0.01 to 10 mg/kg
		Zinc		0.01 to 50 mg/kg
		Nickel		0.01 to 10 mg/kg
		Copper		0.01 to 10 mg/kg
		Iron		0.01 to 100 mg/kg
		Chromium		0.01 to 10 mg/kg
		Mercury		0.01 to 1.0 mg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
22.	**Mycotoxins in food & feed**			
a.	**Animal feed**	Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	Validated Test Method R-18-5 Issue No:1.0 Issue Dt:10.05.2010	0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg
b.	**Bakery & Confectionary products**	Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	Validated Test Method R-18-14 Issue No:1.0 Issue Dt:20.04.2010	0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg
c.	**Cereals, pulses, and by-products**	Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	Validated Test Method R-18-9 Issue No:1.0 Issue Dt: 26.03.2010	0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 10 µg/kg
d.	**Coffee, coca and by-products**	Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	Validated Test Method R-18-10 Issue No:1.0 Issue Dt:06.05.2010	0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg
e.	**Tea and tea products**	Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	Validated Test Method R-18-16 Issue No:1.0 Issue Dt03.06.2010	0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg
f.	**Milk and Dairy products**	Aflatoxin M1 Afla toxins B1,B2,G1,G2	Validated Test Method R-18-15M Issue No:I, Dt 10-06-2010	0.5 to 5 µg/kg 0.5 to 50 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
g.	**Fish & Fishery products**	Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	Validated Test Method R-18-2 Issue No:2.0 Issue Dt:12.04.2013	0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg
h.	**Infant foods**	Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	Validated Test Method R-18-17 Issue No:1.0 Issue Dt: 10.02.2010	0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg
i.	**Spices & condiments**	Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	Validated Test Method R-18-13 Issue No:1.0 Issue Dt:30.04.2010	0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg
j.	**Nuts & nut products**	Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	Validated Test Method R-18-8 Issue No:1.0 Issue Dt: 15.02.2010	0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg
k.	**Oil, fats and related products**	Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	Validated Test Method R-18-19 Issue No:1.0 Issue Dt: 05.06.2010	0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg
l.	**Ready to eat foods**	Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	Validated Test Method R-18-12 Issue No:1.0: Issue Dt: 12.06.2010	0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg
m.	**Plant Extracts**	Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	Validated Test Method R-18-11 Issue No:1.0 Issue Dt: 14.07.2010	0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg 0.5 to 50 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
23.	**Pesticides residues in food**			
a.	**Cereals, pulses, and by-products**	Alachlor	Validated Test Method No.R-6 by LC-MS-MS Issue No:1.0 Issue Dt: 02.02.2010	10 to1000 µg/kg
		Atrazine		10 to1000 µg/kg
		Butachlor		10 to1000 µg/kg
		Chlorpyrifos		10 to1000 µg/kg
		Ethion		10 to1000 µg/kg
		Isoproturon		10 to1000 µg/kg
		Tebuconazole	Validated Test Method No.R-6 by LC-MS-MS Issue No:1.0 Issue Dt: 02.02.2010	10 to1000 µg/kg
		Malathion		10 to1000 µg/kg
		Monocrotophos		10 to1000 µg/kg
		Paraoxon methyl		10 to1000 µg/kg
		Dichlorvos		10 to1000 µg/kg
		Buprofezin		10 to1000 µg/kg
		Isoprothiolane		10 to1000 µg/kg
		Tricyclazole		10 to1000 µg/kg
		Alpha-HCH		10 to1000 µg/kg
		Beta-HCH	Validated Test Method No R-06 by GC-MS Issue No:1.0; Issue Dt: 04.02.2010	10 to1000 µg/kg
		Gamma-HCH		10 to1000 µg/kg
		Delta-HCH		10 to1000 µg/kg
		Methyl Parathion		10 to1000 µg/kg
		Benfuracarb		10 to1000 µg/kg
		Carbosulfan		10 to1000 µg/kg
		Iprodione		10 to1000 µg/kg
		Quinolphos		10 to1000 µg/kg
		Bitertanal		10 to1000 µg/kg
		Propiconazole		10 to1000 µg/kg
		Beta-Endosulfan		10 to1000 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Cereals, pulses, and by-products	Pendimethalin		10 to1000 µg/kg
		Triademefon		10 to1000 µg/kg
		Endosulfan Sulfate		10 to1000 µg/kg
b.	**Animal Feeds**	Alachlor	Validated Test Method No R-04-5 by LC-MS-MS Issue No:1.0 Issue Dt:23.09.2012	10 to1000 µg/kg
		Atrazine		10 to1000 µg/kg
		Butachlor		10 to1000 µg/kg
		Chlorpyrifos		10 to1000 µg/kg
		Ethion		10 to1000 µg/kg
		Isoproturon		10 to1000 µg/kg
		Malaoxon		10 to1000 µg/kg
		Malathion	Validated Test Method No R-04-5 by LC-MS-MS Issue No:1.0 Issue Dt:23.09.2012	10 to1000 µg/kg
		Monocrotophos		10 to1000 µg/kg
		Paraoxon methyl		10 to1000 µg/kg
		Phorate		10 to1000 µg/kg
		Phorate Sulfone		10 to1000 µg/kg
		Phorate Sulfoxide		10 to1000 µg/kg
		2,4-D		10 to1000 µg/kg
		Alpha-HCH	Validated Test Method No R-04-5 by GC-MS	10 to1000 µg/kg
		Beta-HCH		10 to1000 µg/kg
		Gamma-HCH		10 to1000 µg/kg
		Delta-HCH		10 to1000 µg/kg
		Methyl Parathion	Validated Test Method No R-04-5 by GC-MS Issue No:2.0 Issue Dt: 23.09.2012	10 to1000 µg/kg
		Aldrin		10 to1000 µg/kg
		O,P-DDE		10 to1000 µg/kg
		Alpha-Endosulfan		10 to1000 µg/kg
		P,P-DDE		10 to1000 µg/kg
		Dieldrin		10 to1000 µg/kg
		O,P-DDD		10 to1000 µg/kg
		Beta-Endosulfan		10 to1000 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Animal Feeds	P,P-DDD	Validated Test Method No R-04-5 by GC-MS Issue No:2.0 Issue Dt: 23.09.2012	10 to1000 µg/kg
		O,P-DDT		10 to1000 µg/kg
		Endosulfan Sulfate		10 to1000 µg/kg
		P,P-DDT		10 to1000 µg/kg
c.	**Tea and tea products, Coffee, coca and by-products**	Alachlor	Validated Test Method No.R-07 by LC-MS-MS Issue No:1.0 Issue Dt: 21.06.2010	10 to1000 µg/kg
		Atrazine		10 to1000 µg/kg
		Butachlor		10 to1000 µg/kg
		Chlorpyrifos		10 to1000 µg/kg
		Ethion		10 to1000 µg/kg
		Isoproturon		10 to1000 µg/kg
		Malaoxon		10 to1000 µg/kg
		Malathion		10 to1000 µg/kg
		Monocrotophos		10 to1000 µg/kg
		Paraoxon methyl		10 to1000 µg/kg
		Phorate		10 to1000 µg/kg
		Phorate Sulfone		10 to1000 µg/kg
		Phorate Sulfoxide		10 to1000 µg/kg
		2,4-D		10 to1000 µg/kg
		Alpha-HCH		10 to1000 µg/kg
		Beta-HCH		10 to1000 µg/kg
		Gamma-HCH		10 to1000 µg/kg
		Delta-HCH		10 to1000 µg/kg
		Methyl Parathion		10 to1000 µg/kg
		Aldrin		10 to1000 µg/kg
		O,P-DDE		10 to1000 µg/kg
		Alpha-Endosulfan		10 to1000 µg/kg
		P,P-DDE		10 to1000 µg/kg
		Dieldrin		10 to1000 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Tea and tea products, Coffee, coca and by-products	O,P-DDD	Validated Test Method No R-7 by GC-MS Issue No:1.0 Issue Dt: 21.06.2010	10 to1000 µg/kg
		Beta-Endosulfan		10 to1000 µg/kg
		P,P-DDD	Validated Test Method No R-7 by GC-MS Issue No:1.0 Issue Dt: 21.06.2010	10 to1000 µg/kg
		O,P-DDT		10 to1000 µg/kg
		Endosulfan Sulfate		10 to1000 µg/kg
		P,P-DDT		10 to1000 µg/kg
				10 to1000 µg/kg
d.	**Milk & Dairy Products**	Alachlor	Validated Test Method No.R-9 by LC-MS-MS Issue No:1.0 Issue Dt: 05.11.2009	10 to1000 µg/kg
		Atrazine		10 to1000 µg/kg
		Butachlor		10 to1000 µg/kg
		Chlorpyrifos		10 to1000 µg/kg
		Ethion		10 to1000 µg/kg
		Isoproturon		10 to1000 µg/kg
		Malaoxon		10 to1000 µg/kg
		Malathion		10 to1000 µg/kg
		Monocrotophos		10 to1000 µg/kg
		Paraoxon methyl		10 to1000 µg/kg
		Phorate		10 to1000 µg/kg
		Phorate Sulfone		10 to1000 µg/kg
		Phorate Sulfoxide		10 to1000 µg/kg
		2,4-D		10 to1000 µg/kg
		Alpha-HCH	Validated Test Method No.R-9 by GC-MS Issue No:1.0 Issue Dt: 05.11.2009	10 to1000 µg/kg
		Beta-HCH		10 to1000 µg/kg
		Gamma-HCH		10 to1000 µg/kg
		Delta-HCH		10 to1000 µg/kg
		Methyl Parathion		10 to1000 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Milk & Dairy Products	Aldrin	Validated Test Method No.R-9 by GC-MS Issue No:1.0 Issue Dt: 05.11.2009	10 to1000 µg/kg
		O,P-DDE		10 to1000 µg/kg
		Alpha-Endosulfan		10 to1000 µg/kg
		P,P-DDE		10 to1000 µg/kg
		Dieldrin		10 to1000 µg/kg
		O,P-DDD		10 to1000 µg/kg
		Beta-Endosulfan		10 to1000 µg/kg
		P,P-DDD		10 to1000 µg/kg
		O,P-DDT		10 to1000 µg/kg
		Endosulfan Sulfate		10 to1000 µg/kg
		P,P-DDT		10 to1000 µg/kg
e.	**Fish and fishery products, Meat and meat products**	Alachlor	Validated Test Method No.R-04-7 by LC-MS-MS Issue No: 2.0 Issue Dt: 06.12.2012	10 to1000 µg/kg
		Trifluralin		10 to1000 µg/kg
		Pendimethalin		10 to1000 µg/kg
		Chlorpyrifos		10 to1000 µg/kg
		Ethion		10 to1000 µg/kg
		Isoproturon		10 to1000 µg/kg
		Malaoxon		10 to1000 µg/kg
		Malathion		10 to1000 µg/kg
		Monocrotophos		10 to1000 µg/kg
		Paraoxon methyl		10 to1000 µg/kg
		Phorate		10 to1000 µg/kg
		Phorate Sulfone		10 to1000 µg/kg
		Phorate Sulfoxide		10 to1000 µg/kg
		2,4-D		10 to1000 µg/kg
		Alpha-HCH		10 to1000 µg/kg
		Beta-HCH		10 to1000 µg/kg
		Gamma-HCH		10 to1000 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fish and fishery products, Meat and meat products	Delta-HCH	Validated Test Method No.R-04-7 by GC-MS Issue No:2.0 Issue Dt: 06.12.2012	10 to1000 µg/kg
		Methyl Parathion		10 to1000 µg/kg
		Aldrin		10 to1000 µg/kg
		O,P-DDE		10 to1000 µg/kg
		Alpha-Endosulfan		10 to1000 µg/kg
		Emdrin		10 to1000 µg/kg
		Heptachlor		10 to1000 µg/kg
		Chlordane		10 to1000 µg/kg
		Carbaryl		10 to1000 µg/kg
		HCB		10 to1000 µg/kg
		P,P-DDE	Validated Test Method No.R-04-7 by GC-MS Issue No:2.0 Issue Dt: 06.12.2012	10 to1000 µg/kg
		Dieldrin		10 to1000 µg/kg
		O,P-DDD		10 to1000 µg/kg
		Beta-Endosulfan		10 to1000 µg/kg
		P,P-DDD		10 to1000 µg/kg
		O,P-DDT		10 to1000 µg/kg
		Endosulfan Sulfate		10 to1000 µg/kg
		P,P-DDT		10 to1000 µg/kg
		Pyrethrin	Test method Nos. R- 47-26 & 49-26 By GC-MS Issue No: 2.0 Issue Dt: 06.12.2012	10 to1000 µg/kg
		Cyfluthrin		10 to1000 µg/kg
		Cypermethrin		10 to1000 µg/kg
		Deltamethrin		10 to1000 µg/kg
		Permethrin		10 to1000 µg/kg
f.	**Honey and Honey Products**	Alachlor	Validated Test Method No .R-03 by LC-MS-MS Issue No:.0 Issue Dt: 26.09.2014	10 to1000 µg/kg
		Aldicarb		10 to1000 µg/kg
		Atrazine		10 to1000 µg/kg
		Azinphos methyl		10 to1000 µg/kg
		Butachlor		10 to1000 µg/kg
		Carbofuran		10 to1000 µg/kg
		Chlorpyrifos		10 to1000 µg/kg
		Dichlorvos		10 to1000 µg/kg
		Ethion		10 to1000 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Honey and Honey Products	Ethoprophos	Validated Test Method No .R-03 by LC-MS-MS Issue No:.0 Issue Dt: 26.09.2014	10 to1000 µg/kg
		Imidacloprid		10 to1000 µg/kg
		Isoproturon		10 to1000 µg/kg
		Malaoxon		10 to1000 µg/kg
		Malathion		10 to1000 µg/kg
		Metribuzin		10 to1000 µg/kg
		Monocrotophos		10 to1000 µg/kg
		Oxamyl		10 to1000 µg/kg
		Paraoxon methyl		10 to1000 µg/kg
		Phorate		10 to1000 µg/kg
		Phorate Sulfone		10 to1000 µg/kg
		Phorate Sulfoxide		10 to1000 µg/kg
		Propiconazole		10 to1000 µg/kg
		Quinolphos		10 to1000 µg/kg
		Simazine		10 to1000 µg/kg
		2,4-D		10 to1000 µg/kg
		Alpha-HCH	Validated Test Method No .R-03 by GC-MS Issue No:2.0 Issue Dt: 26.09.2010	0.05 to10 µg/kg
		Beta-HCH		0.05 to10 µg/kg
		Gamma-HCH		0.05 to10 µg/kg
		Delta-HCH		0.05 to10 µg/kg
		Methyl Parathion		0.05 to10 µg/kg
		Aldrin		0.05 to10 µg/kg
		O,P-DDE		0.05 to10 µg/kg
		Alpha-Endosulfan	Validated Test Method No .R-03 by GC-MS Issue No:2.0 Issue Dt: 26.09.2010	0.05 to10 µg/kg
		P,P-DDE		0.05 to10 µg/kg
		Dieldrin		0.05 to10 µg/kg
		O,P-DDD		0.05 to10 µg/kg
		Beta-Endosulfan		0.05 to10 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Honey and Honey Products	P,P-DDD	Validated Test Method No .R-03 by GC-MS Issue No:2.0 Issue Dt: 26.09.2010	0.05 to10 µg/kg
		O,P-DDT		0.05 to10 µg/kg
		Endosulfan Sulfate		0.05 to10 µg/kg
		P,P-DDT		0.05 to10 µg/kg
g.	**Fruits and vegetable products, Fruit juices & concentrates**	Alpha-BHC	Validated Test Method No R-02A by GC-MS Issue No:2.0 Issue Dt: 01.10.2014	10 to100 µg/kg
		Beta BHC		10 to100 µg/kg
		Gamma-BHC		10 to100 µg/kg
		Delta-BHC		10 to100 µg/kg
		Chlorothalonil		10 to100 µg/kg
		O,p'-DDE		10 to100 µg/kg
		Endosulfan-I		10 to100 µg/kg
		P,p'- DDE		10 to100 µg/kg
		Dieldrin, Aldrin		10 to100 µg/kg
		O,p'-DDD		10 to100 µg/kg
		O,p'-DDT		10 to100 µg/kg
		P,p'- DDD		10 to100 µg/kg
		Endosulfan –II		10 to100 µg/kg
		P,p' DDT		10 to100 µg/kg
		Chlordane		10 to100 µg/kg
		Endrin		10 to100 µg/kg
		Heptachlor		10 to100 µg/kg
		Bendiocarb		10 to100 µg/kg
		Fenopropathrin		10 to100 µg/kg
		Isoprothiolane		10 to100 µg/kg
		Kresoxim-methyl		10 to100 µg/kg
		Oxadiazon		10 to100 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fruits and vegetable products, Fruit juices & concentrates	Phorate	Validated Test Method No R-02A by GC-MS Issue No:2.0 Issue Dt: 01.10.2014	10 to100 µg/kg
		Pirimiphos-methyl		10 to100 µg/kg
		Propargite		10 to100 µg/kg
		Propetamphos		10 to100 µg/kg
		Propoxur		10 to100 µg/kg
		Parathion-methyl		10 to100 µg/kg
		Trifluralin		10 to100 µg/kg
		Alachlor		10 to100 µg/kg
		Fenthion		10 to100 µg/kg
		Phenthoate		10 to100 µg/kg
		Benalaxyl		10 to100 µg/kg
		4-Bromo-2-Chloro Phenol		10 to100 µg/kg
		Carbosulfan		10 to100 µg/kg
		1-Naphthylaceticacid		10 to100 µg/kg
		Allethrin&Bioallethrin		10 to100 µg/kg
		Bifenthrin		10 to100 µg/kg
		Carboxin		10 to100 µg/kg
		Cyfluthrin I		10 to100 µg/kg
		Cyfluthrin II		10 to100 µg/kg
		Cyfluthrin III		10 to100 µg/kg
		Cyfluthrin IV		10 to100 µg/kg
		Cypermethrin I		10 to100 µg/kg
		Cypermethrin II		10 to100 µg/kg
		Cypermethrin III		10 to100 µg/kg
		Cypermethrin IV		10 to100 µg/kg
		Benalaxyl		10 to100 µg/kg
		4-Bromo-2-Chloro Phenol		10 to100 µg/kg
		Carbosulfan		10 to100 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fruits and vegetable products, Fruit juices & concentrates	1-Naphthylaceticacid	Validated Test Method No R-02A by GC-MS Issue No:2.0 Issue Dt: 01.10.2014	10 to100 µg/kg
		Allethrin&Bioallethrin		10 to100 µg/kg
		Bifenthrin		10 to100 µg/kg
		Carboxin		10 to100 µg/kg
		Cyfluthrin I		10 to100 µg/kg
		Cyfluthrin II		10 to100 µg/kg
		Cyfluthrin III		10 to100 µg/kg
		Cyfluthrin IV		10 to100 µg/kg
		Cypermethrin I		10 to100 µg/kg
		Cypermethrin II		10 to100 µg/kg
		Cypermethrin III		10 to100 µg/kg
		Cypermethrin IV		10 to100 µg/kg
		Dithiocarbamates as CS2- Mancozeb, Zineb & Ziram		10 to100 µg/kg
		Edifenphos		10 to100 µg/kg
		Endosulfan Sulfate		10 to100 µg/kg
		Fenitrothion		10 to100 µg/kg
		Heptachlor epoxide A		10 to100 µg/kg
		Heptachlor epoxide B		10 to100 µg/kg
		Fenazaquin		10 to100 µg/kg
		Fenobucarb		10 to100 µg/kg
		Fenthionsulfone		10 to100 µg/kg
		Flufenacet		10 to100 µg/kg
		Fluvalinate-tau		10 to100 µg/kg
		Linuron		10 to100 µg/kg
		Malaoxon		10 to100 µg/kg
		Metolachlor		10 to100 µg/kg
		Oxyfluorfen		10 to100 µg/kg
		Paclobutrazol		10 to100 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fruits and vegetable products, Fruit juices & concentrates	Paraoxon-methyl	Validated Test Method No R-02A by GC-MS Issue No:2.0 Issue Dt: 01.10.2014	10 to100 µg/kg
		Parathion-ethyl		10 to100 µg/kg
		Pencycuron		10 to100 µg/kg
		Pendimethalin		10 to100 µg/kg
		Pyriproxyfen		10 to100 µg/kg
		trans-Chlordane		10 to100 µg/kg
		Transfluthrin		10 to100 µg/kg
		Carbosulfan		10 to100 µg/kg
		Captafol		10 to100 µg/kg
		Captan		10 to100 µg/kg
		Carbosulfan	Validated Test Method No R-2B By LC-MS-MS Issue No:20Issue Dt: 01.10.2014	10 to100 µg/kg
		Captafol		10 to100 µg/kg
		Captan		10 to100 µg/kg
		Iprodione		10 to100 µg/kg
		Benomyl		10 to100 µg/kg
		Dinocap		10 to100 µg/kg
		4 toBromo Chloro Phenol		10 to100 µg/kg
		Lambda Cyhalothrin		10 to100 µg/kg
		Permethrin		10 to100 µg/kg
		Cypermethrin		10 to100 µg/kg
		Fenverlerate & Esfenvelerate		10 to100 µg/kg
		Cyfluthrin		10 to100 µg/kg
		Deltamethrin		10 to100 µg/kg
		Dicofol		10 to100 µg/kg
		Acephate		10 to100 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fruits and vegetable products, Fruit juices & concentrates	Atrazin	Validated Test Method No R-2B By LC-MS-MS Issue No:20 Issue Dt: 01.10.2014	10 to100 µg/kg
		Azinphos methyl		10 to100 µg/kg
		Benalaxyl		10 to100 µg/kg
		Bitertanol		10 to100 µg/kg
		Carbaryl		10 to100 µg/kg
		Carbendazim		10 to100 µg/kg
		Carbofuran		10 to100 µg/kg
		Chlorfenvinphos		10 to100 µg/kg
		Chlorpyrifos		10 to100 µg/kg
		Cymoxanil		10 to100 µg/kg
		Diazinon		10 to100 µg/kg
		Dichlorvos		10 to100 µg/kg
		Dimethoate		10 to100 µg/kg
		Ethion,		10 to100 µg/kg
		Ethylene thiourea		10 to100 µg/kg
		Fenarimol		10 to100 µg/kg
		Fipronil,		10 to100 µg/kg
		Hexaconazole		10 to100 µg/kg
		Imazalil		10 to100 µg/kg
		Imidacloprid		10 to100 µg/kg
		Malathion		10 to100 µg/kg
		Metalaxyl		10 to100 µg/kg
		Methamidophos		10 to100 µg/kg
		Methomyl		10 to100 µg/kg
		Mevinphos		10 to100 µg/kg
		Monocrotophos		10 to100 µg/kg
		Myclobutanil		10 to100 µg/kg
		Omethoate		10 to100 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fruits and vegetable products, Fruit juices & concentrates	Oxydemeton methyl	Validated Test Method No R-2B By LC-MS-MS Issue No:2.0 Issue Dt: 01.10.2014	10 to100 µg/kg
		Penconazole		10 to100 µg/kg
		Phosalone		10 to100 µg/kg
		Phosphomidon		10 to100 µg/kg
		Profenophos & metabolites		10 to100 µg/kg
		Tetraconazole		10 to100 µg/kg
		Chlorantraniliprole		10 to100 µg/kg
		Chlorfenapyr		10 to100 µg/kg
		Propiconazole(Tilt)		10 to100 µg/kg
		Quinalphos		10 to100 µg/kg
		2,4-D		10 to100 µg/kg
		6-Benzyl Adenine		10 to100 µg/kg
		Benfuracarb		10 to100 µg/kg
		Bifenazate		10 to100 µg/kg
		Cartap Hydrochloride		10 to100 µg/kg
		Diafenthiuron		10 to100 µg/kg
		Diuron		10 to100 µg/kg
		Dodine		10 to100 µg/kg
		Flubendiamide		10 to100 µg/kg
		Forchlorfuron		10 to100 µg/kg
		Gibberlicacid		10 to100 µg/kg
		Iprovalicarb		10 to100 µg/kg
		Isoproturon		10 to100 µg/kg
		Mandipropanid		10 to100 µg/kg
		Metribuzin		10 to100 µg/kg
		Oxicarboxin		10 to100 µg/kg
		Phorate sulfone		10 to100 µg/kg
		Phorate sulfoxide		10 to100 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fruits and vegetable products, Fruit juices & concentrates	Pyraclostrobin	Validated Test Method No R-02 by LC-MS –MS Issue No:2.0 Issue Dt: 01.10.2014	10 to100 µg/kg
		Triadimenol		10 to100 µg/kg
		Tridemorph		10 to100 µg/kg
		Abamectin		10 to100 µg/kg
		Acetamiprid		10 to100 µg/kg
		Azadirachtin		10 to100 µg/kg
		Azoxystrobin		10 to100 µg/kg
		Bifenazate		10 to100 µg/kg
		Buprofezin		10 to100 µg/kg
		Butachlor		10 to100 µg/kg
		Chlormequat chloride		10 to100 µg/kg
		Chlorpyrifos methyl		10 to100 µg/kg
		Clothianidin		10 to100 µg/kg
		Dazomet		10 to100 µg/kg
		Difenoconazole		10 to100 µg/kg
		Difenthiuron		10 to100 µg/kg
		Diflubenzuron		10 to100 µg/kg
		Dimethomorph		10 to100 µg/kg
		Diquat		10 to100 µg/kg
		Dithianon		10 to100 µg/kg
		Emamectin Benzoate		10 to100 µg/kg
		Ethephon		10 to100 µg/kg
		Ethofenprox		10 to100 µg/kg
		Etrimphos		10 to100 µg/kg
		Famoxadone		10 to100 µg/kg
		Fenamidone		10 to100 µg/kg
		Fenpyroximate		10 to100 µg/kg
		Flufenzine		10 to100 µg/kg
		Flufenoxuron		10 to100 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fruits and vegetable products, Fruit juices & concentrates	Flusilazole	Validated Test Method No R-02 by LC-MS –MS Issue No:2.0 Issue Dt: 01.10.2014	10 to100 µg/kg
		Fosetyl-Al		10 to100 µg/kg
		Glufosinate Ammonium		10 to100 µg/kg
		Glyphosate		10 to100 µg/kg
		Hexythiazox		10 to100 µg/kg
		Homobrassilonide		10 to100 µg/kg
		Indoxacarb		10 to100 µg/kg
		Iodosulfuron methyl		10 to100 µg/kg
		Iprobenphos		10 to100 µg/kg
		Lufenuron		10 to100 µg/kg
		Mepiquat chloride		10 to100 µg/kg
		Metalaxyl M		10 to100 µg/kg
		Milbemectin		10 to100 µg/kg
		Novaluron		10 to100 µg/kg
		Paraquat		10 to100 µg/kg
		Propanil		10 to100 µg/kg
		Simazine		10 to100 µg/kg
		Spinosad A		10 to100 µg/kg
		Spinosad D		10 to100 µg/kg
		Spiromesifen		10 to100 µg/kg
		Tebuconazole		10 to100 µg/kg
		Temephos		10 to100 µg/kg
		Thiacloprid		10 to100 µg/kg
		Thiamethoxam		10 to100 µg/kg
		Thiometon		10 to100 µg/kg
		Thiobencarb		10 to100 µg/kg
		Thiodicarb		10 to100 µg/kg
		Thiophanate Methyl		10 to100 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fruits and vegetable products, Fruit juices & concentrates	Triadimefon	Validated Test Method No R-02 by LC-MS –MS Issue No:2.0 Issue Dt: 01.10.2014	10 to100 µg/kg
		Triazophos		10 to100 µg/kg
		Trichlorfon		10 to100 µg/kg
		Tricyclazole		10 to100 µg/kg
		Trifloxystrobin		10 to100 µg/kg
		Hydrogen cyanamide		10 to100 µg/kg
		Sulphur		10 to100 µg/kg
		Uracil		10 to100 µg/kg
		Alachlor	Test Method No. R-04-1A By LC-MS Issue No:1.0 Issue Dt: 20.09.2010	10 to100 µg/kg
		Atrazine		10 to100 µg/kg
		Butachlor		10 to100 µg/kg
		Chlorpyrifos		10 to100 µg/kg
		Ethion		10 to100 µg/kg
		Isoproturon		10 to100 µg/kg
		Malaoxon		10 to100 µg/kg
		Malathion		10 to100 µg/kg
		Monocrotophos		10 to100 µg/kg
		Paraoxon methyl		10 to100 µg/kg
		Phorate		10 to100 µg/kg
		Phorate Sulfone		10 to100 µg/kg
		Phorate Sulfoxide		10 to100 µg/kg
		2,4-D		10 to100 µg/kg
		Alpha-HCH	Test Method No. R-04-1B, By GC-MS Issue No:1.0 Issue Dt: 20.09.2010	10 to100 µg/kg
		Beta-HCH		10 to100 µg/kg
		Gamma-HCH		10 to100 µg/kg
		Delta-HCH		10 to100 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fruits and vegetable products, Fruit juices & concentrates	Methyl Parathion	Test Method No. R-04-1B By GC-MS Issue No:1.0 Issue Dt: 20.09.2010	10 to100 µg/kg
		Aldrin		10 to100 µg/kg
		O,P-DDE		10 to100 µg/kg
		Alpha-Endosulfan		10 to100 µg/kg
		P,P-DDE		10 to100 µg/kg
		Dieldrin		10 to100 µg/kg
		O,P-DDD		10 to100 µg/kg
		Beta-Endosulfan		10 to100 µg/kg
		Heptachlor		10 to100 µg/kg
		Heptachlor epoxide		10 to100 µg/kg
		Dicofol		10 to100 µg/kg
		Endrin		10 to100 µg/kg
		Methoxychlor		10 to100 µg/kg
		P,P-DDD		10 to100 µg/kg
		O,P-DDT		10 to100 µg/kg
		Endosulfan Sulfate		10 to100 µg/kg
		P,P-DDT		10 to100 µg/kg
		Boscalid	Test Method No. R-50-26 By GC-MS Issue No:1.0 Issue Dt: 08.10.2011	10 to100 µg/kg
		Cyromazine		10 to100 µg/kg
		Alachlor	Validated Test Method No.R-05 by LC-MS-MS Issue No:1.0 Issue Dt: 04.09.2010	10 to100 µg/kg
		Atrazine		10 to100 µg/kg
		Butachlor		10 to100 µg/kg
		Chlorpyrifos		10 to100 µg/kg
		Ethion		10 to100 µg/kg
		Carbaryl		10 to100 µg/kg
		Dicofol		10 to100 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fruits and vegetable products, Fruit juices & concentrates	Dimethoate	Validated Test Method No.R-05 by LC-MS-MS Issue No:1.0 Issue Dt: 04.09.2010	10 to100 µg/kg
		Endosulfan		10 to100 µg/kg
		Monocrotophos		10 to100 µg/kg
		Quinolphos		10 to100 µg/kg
		Thiophenate methyl		10 to100 µg/kg
		Phorate Sulfoxide		10 to100 µg/kg
		2,4-D		10 to100 µg/kg
		Alpha-HCH	Validated Test Method No.R-05 by GC-MS Issue No:1.0 Issue Dt: 04.09.2010	10 to100 µg/kg
		Beta-HCH		10 to100 µg/kg
		Gamma-HCH		10 to100 µg/kg
		Delta-HCH		10 to100 µg/kg
		Methyl Parathion		10 to100 µg/kg
		Aldrin		10 to100 µg/kg
		O,P-DDE		10 to100 µg/kg
		Alpha-Endosulfan		10 to100 µg/kg
		P,P-DDE		10 to100 µg/kg
		Dieldrin		10 to100 µg/kg
		O,P-DDD		10 to100 µg/kg
		Beta-Endosulfan		10 to100 µg/kg
		P,P-DDD		10 to100 µg/kg
		O,P-DDT		10 to100 µg/kg
		Endosulfan Sulfate		10 to100 µg/kg
		P,P-DDT		10 to100 µg/kg
h.	**Nuts & nut products/Grains**	Alachlor	Validated Test Method No.R-6 by LC-MS-MS Issue No:1.0 Issue Dt: 20.09.2010	10 to100 µg/kg
		Atrazine		10 to100 µg/kg
		Butachlor		10 to100 µg/kg
		Chlorpyrifos		10 to100 µg/kg
		Ethion		10 to100 µg/kg
		Isoproturon		10 to100 µg/kg
		Malaoxon		10 to100 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Nuts & nut products/Grains	Malathion	Validated Test Method No.R-6 by LC-MS-MS Issue No:1.0 Issue Dt: 20.09.2010	10 to100 µg/kg
		Monocrotophos		10 to100 µg/kg
		Paraoxon methyl		10 to100 µg/kg
		Phorate		10 to100 µg/kg
		Phorate Sulfone		10 to100 µg/kg
		Phorate Sulfoxide		10 to100 µg/kg
		2,4-D		10 to100 µg/kg
		Alpha-HCH		10 to100 µg/kg
		Beta-HCH		10 to100 µg/kg
		Gamma-HCH		10 to100 µg/kg
		Delta-HCH		10 to100 µg/kg
		Methyl Parathion		10 to100 µg/kg
		Aldrin		10 to100 µg/kg
		O,P-DDE		10 to100 µg/kg
		Alpha-Endosulfan		10 to100 µg/kg
		P,P-DDE		10 to100 µg/kg
		Dieldrin		10 to100 µg/kg
		O,P-DDD		10 to100 µg/kg
		Beta-Endosulfan		10 to100 µg/kg
		P,P-DDD		10 to100 µg/kg
		O,P-DDT		10 to100 µg/kg
		Endosulfan Sulfate		10 to100 µg/kg
		P,P-DDT		10 to100 µg/kg
i.	**Packed / Tinned / Ready to Eat Foods**	Alachlor	Test Method No R-36 by LC-MS-MS Issue No:1.0 Issue Dt: 14.11.2009	10 to100 µg/kg
		Atrazine		10 to100 µg/kg
		Butachlor		10 to100 µg/kg
		Chlorpyrifos		10 to100 µg/kg
		Ethion		10 to100 µg/kg
		Isoproturon		10 to100 µg/kg
		Malaoxon		10 to100 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Packed / Tinned / Ready to Eat Foods	Malathion	Test Method No R-36 by LC-MS-MS Issue No:1.0 Issue Dt: 14.11.2009	10 to100 µg/kg
		Monocrotophos		10 to100 µg/kg
		Paraoxon methyl		10 to100 µg/kg
		Phorate		10 to100 µg/kg
		Phorate Sulfone		10 to100 µg/kg
		Phorate Sulfoxide		10 to100 µg/kg
		2,4-D		10 to100 µg/kg
		Alpha-HCH		10 to100 µg/kg
		Beta-HCH		10 to100 µg/kg
		Gamma-HCH		10 to100 µg/kg
		Delta-HCH		10 to100 µg/kg
		Methyl Parathion		10 to100 µg/kg
		Aldrin		10 to100 µg/kg
		O,P-DDE		10 to100 µg/kg
		Alpha-Endosulfan		10 to100 µg/kg
		P,P-DDE		10 to100 µg/kg
		Dieldrin		10 to100 µg/kg
		O,P-DDD		10 to100 µg/kg
		Beta-Endosulfan		10 to100 µg/kg
		P,P-DDD		10 to100 µg/kg
		O,P-DDT		10 to100 µg/kg
		Endosulfan Sulfate		10 to100 µg/kg
		P,P-DDT		10 to100 µg/kg
j.	**Sugar and by-products**	Alachlor	Validated Test Method No .R-03 by LC-MS-MS Issue No:1.0 Issue Dt: 10.09.2010	0.1 to100 µg/kg
		Aldicarb		0.1 to100 µg/kg
		Atrazine		0.1 to100 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Azinphos methyl	Validated Test Method No .R-03 by LC-MS-MS Issue No:1.0 Issue Dt: 10.09.2010	0.1 to100 µg/kg
		Butachlor		0.1 to100 µg/kg
		Carbofuran		0.1 to100 µg/kg
		Chlorpyrifos		0.1 to100 µg/kg
		Dichlorvos		0.1 to100 µg/kg
		Ethion		0.1 to100 µg/kg
		Ethoprophos		0.1 to100 µg/kg
		Imidacloprid		0.1 to100 µg/kg
		Isoproturon		0.1 to100 µg/kg
		Malaoxon		0.1 to100 µg/kg
		Malathion		0.1 to100 µg/kg
		Metribuzin		0.1 to100 µg/kg
		Monocrotophos		0.1 to100 µg/kg
		Oxamyl		0.1 to100 µg/kg
		Paraoxon methyl		0.1 to100 µg/kg
		Phorate		0.1 to100 µg/kg
		Phorate Sulfone		0.1 to100 µg/kg
		Phorate Sulfoxide		0.1 to100 µg/kg
		Propiconazole		0.1 to100 µg/kg
		Quinolphos		0.1 to100 µg/kg
		Simazine		0.1 to100 µg/kg
		2,4-D		0.1 to100 µg/kg
		Alpha-HCH	Validated Test Method No .R-03 by GC-MS Issue No:1.0 Issue Dt: 10.09.2010	0.1 to100 µg/kg
		Beta-HCH		0.1 to100 µg/kg
		Gamma-HCH		0.1 to100 µg/kg
		Delta-HCH		0.1 to100 µg/kg
		Methyl Parathion		0.1 to100 µg/kg
		Aldrin		0.1 to100 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Sugar and by-products	O,P-DDE	Validated Test Method No .R-03 by GC-MS Issue No:1.0 Issue Dt: 10.09.2010	0.1 to100 µg/kg
		Alpha-Endosulfan		0.1 to100 µg/kg
		P,P-DDE		0.1 to100 µg/kg
		Dieldrin		0.1 to100 µg/kg
		O,P-DDD		0.1 to100 µg/kg
		Beta-Endosulfan		0.1 to100 µg/kg
		P,P-DDD		0.1 to100 µg/kg
		O,P-DDT		0.1 to100 µg/kg
		Endosulfan Sulfate		0.1 to100 µg/kg
		P,P-DDT		0.1 to100 µg/kg
k.	**Carbonated beverages/ Soft drinks**	o,p' -DDT	AOAC 19th Edn 2007.09	0.25 to10 µg/L
		p,p' -DDT		0.25 to10 µg/L
		o,p' -DDE		0.25 to10 µg/L
		p,p' -DDE		0.25 to10 µg/L
		o,p' -DDD		0.25 to10 µg/L
		p,p' -DDD		0.25 to10 µg/L
		Lindane- -		0.25 to10 µg/L
		Alpha HCH		0.25 to10 µg/L
		Beta HCH		0.25 to10 µg/L
		Delta HCH		0.25 to10 µg/L
		Alpha Endosulfan		0.25 to10 µg/L
		Beta Endosulfan		0.25 to10 µg/L
		Methyl Mercury		0.25 to10 µg/L
		Endosulfan Sulphate		0.25 to10 µg/L
		Aldrin, dieldrin		0.25 to10 µg/L
		Monocrotophos	AOAC 19th Edn 2007.08	0.25 to10 µg/L
		Ethion		0.25 to10 µg/L
		Chlorpyrifos		0.25 to10 µg/L
		Phorate		0.25 to10 µg/L
		Phorate Sulfoxide	AOAC 19th Edn 2007.08	0.25 to10 µg/L

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Carbonated beverages/ Soft drinks	Phorate Sulfone	AOAC 19th Edn 2007.08	0.25 to10 µg/L
		2,4 -D		0.25 to10 µg/L
		Butachlor		0.25 to10 µg/L
		Isoproturon		0.25 to10 µg/L
		Alachlor		0.25 to10 µg/L
		Atrazine		0.25 to10 µg/L
		Methyl parathion		0.25 to10 µg/L
		Methyl Paraoxon		0.25 to10 µg/L
		Malathion		0.25 to10 µg/L
		Malaoxon		0.25 to10 µg/L
l.	**Plant Extracts / Herbal products**	Chlorfenvinfos	Validated Test Method R-44 by LC-MS-MS Issue No:1.0 Issue Dt: 16.07.2010	10 to10000 µg/kg
		Chlorpyrifos methyl		10 to10000 µg/kg
		Chlorpyrifos		10 to10000 µg/kg
		Diazinon		10 to10000 µg/kg
		Dichlorvos		10 to10000 µg/kg
		Ethion		10 to10000 µg/kg
		Malathion		10 to10000 µg/kg
		Parathion ethyl		10 to10000 µg/kg
		Phosalone		10 to10000 µg/kg
		Pirimphos methyl		10 to10000 µg/kg
		Azinphos-methyl		10 to10000 µg/kg
		Methidathion		10 to10000 µg/kg
		Alpha-HCH	Validated Test Method R-44 by GC-MS Issue No:1.0 Issue Dt: 16.07.2010	10 to10000 µg/kg
		Hexachlorobenzene		10 to10000 µg/kg
		Beta-HCH		10 to10000 µg/kg
		Gamma-HCH		10 to10000 µg/kg
		Delta-HCH		10 to10000 µg/kg
		Methylparathion		10 to10000 µg/kg
		Alachlor		10 to10000 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Plant Extracts / Herbal products	Fenitrothion	Validated Test Method R-44 by GC-MS Issue No:1.0 Issue Dt: 16.07.2010	10 to10000 µg/kg
		Aldrin		10 to10000 µg/kg
		Heptachlorepoxide-B		10 to10000 µg/kg
		Chlordane I		10 to10000 µg/kg
		Chlordane II		10 to10000 µg/kg
		O,P-DDE		10 to10000 µg/kg
		Alpha-Endosulfan		10 to10000 µg/kg
		P,P-DDE		10 to10000 µg/kg
		Dieldrin		10 to10000 µg/kg
		O,P-DDD		10 to10000 µg/kg
		Endrin		10 to10000 µg/kg
		Beta-Endosulfan		10 to10000 µg/kg
		P,P-DDD		10 to10000 µg/kg
		O,P-DDT		10 to10000 µg/kg
		Endosulfan Sulfate		10 to10000 µg/kg
		P,P-DDT		10 to10000 µg/kg
		Permethrin I		10 to10000 µg/kg
		Permethrin II		10 to10000 µg/kg
		Cypermethrin I		10 to10000 µg/kg
		Cypermethrin II		10 to10000 µg/kg
		Cypermethrin III		10 to10000 µg/kg
		Cypermethrin IV		10 to10000 µg/kg
		Fenvelrate I		10 to10000 µg/kg
		Fenvelrate II		10 to10000 µg/kg
		Deltamethrin		10 to10000 µg/kg
		Heptachlor		10 to10000 µg/kg
		Bromopropylate		10 to10000 µg/kg
		Dithiocarbamates (as CS_2)		10 to10000 µg/kg
		Fonofos		10 to10000 µg/kg
		Parathion		10 to10000 µg/kg
		Piperonyl butoxide		10 to10000 µg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Plant Extracts / Herbal products	Pyrethrins	Validated Test Method R-44 by GC-MS	10 to10000 µg/kg
		Quintozene (sum of quintozene, pentachloroaniline and methyl pentachlorophenyl sulphide)	Issue No:1.0 Issue Dt: 16.07.2010	10 to10000 µg/kg
		Arsenic	IS 9873 (Part 3): 1999 ISO 8124-3 : 1997	1 to1000 mg/kg
		Barium		1 to1000 mg/kg
		Cadmium		1 to1000 mg/kg
		Chromium		1 to1000 mg/kg
		Lead		1 to1000 mg/kg
		Mercury		1 to1000 mg/kg
		Selenium		1 to1000 mg/kg
		Phthalates		1 to1000 mg/kg
II.	**WATER**			
1.	**Natural Mineral water, Packaged drinking water, Drinking water for Food Industry**	Description	IS 14543: 2004 Cl 5.2	Qualitative
		Colour, true colour units	IS 3025 (Part 4): 1983 (RA 2006) APHA 22nd 2012 ,2120B	1 to 100 Pt Co units
		Odour	IS 3025(Part 5): 1983 (RA 2006)	Qualitative
		Taste	IS 3025(Part 7 & 8): 1984 (RA 2006)	Qualitative
		Turbidity (NTU)	IS 3025 (Part 10):1984(RA 2002) APHA 22nd 2012, 2130B	1to100 NTU
		Total dissolved solids	IS 3025 (Part 16): 1984 (RA 2006) APHA 22nd 2012,2540 C	1 to 5000 mg/L

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Natural Mineral water, Packaged drinking water, Drinking water for Food Industry	pH	IS 3025 (Part 11): 1983 (RA 2006) APHA 22nd 2012,4500H^+B	1 to 14 units
		Barium	IS 3025(Part 2): 2004 IS 13428: 2006 Annex F APHA 22nd 2012, 3125	0.001 to 5.0 mg/L
		Copper	IS 3025(Part 2): 2004 IS 3025 (part 42): 1992(RA 2009) APHA 22nd 2012, 3125	0.001 to 10 mg/L
		Iron	IS 3025(Pt 2)-2004 /IS 3025 (part 53)-2003, RA 2009 APHA 22nd 2012, 3125	0.005 to 10 mg/L
		Manganese	IS 3025(Part 2): 2004 IS 3025: 2006 Cl 59 APHA 22nd 2012,3125	0.001 to 10 mg/L
		Nitrate	IS 3025 (Part 34): 1998 APHA22nd 2012,4500 NO_3^-B	0.1 to100 mg/L
		Nitrite	IS 3025 (Part 34): 1988 APHA 22nd 2012, 4500 NO_2^-B	0.01 to10 mg/L
		Fluoride	IS 3025(Part 60): 2008 APHA22nd 2012, 4500 F^- D	0.1 to 5.0 mg/L
		Phosphate	APHA22nd 2012, 4500-P- D	0.1 to 100 mg/L
		Zinc	IS 3025(Part 2): 2004 IS 3025 (Part 49): 1994(RA 2009) APHA 22nd 2012, 3125	0.001 to 10 mg/L

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Natural Mineral water, Packaged drinking water, Drinking water for Food Industry	Silver	IS 3025(Part 2): 2004 IS 13428: 2005 Annex J APHA 22nd 2012, 3125	0.001 to 1 mg/L
		Aluminium	IS 3025(Part 2): 2004 (RA 2009) IS 3025(Part 55): 2003 APHA 22nd 2012, 3125	0.005 to 1 mg/L
		Chloride	IS 3025 (Part 32): 1988 (RA 2009) APHA 22nd 2012, 4500 Cl^-B	1 to1000 mg/L
		Selenium	IS 3025(Pt 2)-2004 IS 3025 (part 56)-2003, RA 2009 APHA22nd 2012,3125	0.001 to 50 mg/L
		Sulphate	IS 3025 (Part 24): 1986(RA 2009) APHA 22nd 2012, 4500 SO_4^{2-}E	1 to 50 mg/L
		Phenolthalein Alkalinity as $CaCO_3$	IS 3025(Part 23): 1986(RA 2009) APHA 22nd 2012, 2320 B	1 to100 mg/L
		Methyl Orange Alkalinity as $CaCO_3$	IS 3025(Part 23): 1986(RA 2009) APHA 22nd 2012, 2320 B	1 to1000 mg/L
		Total Alkalinity as $CaCO_3$	IS 3025(Part 23): 1986(RA 2009) APHA 22nd 2012, 2320 B	1 to1000 mg/L
		Calcium	IS 3025 (Part 40): 1991(RA 2009) APHA 22nd 2012, 3500 Ca-B	1 to1000 mg/L
		Magnesium	IS 3025 (Part 46): 1994 APHA 22nd 2012, 3500 Mg-B	1 to 1000 mg/L
		Sodium	IS 3025 (Part 45): 1993 APHA22nd 2012, 3500 Na-B	0.1 to 1000 mg/L

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Natural Mineral water, Packaged drinking water, Drinking water for Food Industry	Residual free chlorine	IS 3025 (Part 26): 1986 RA 2009	0.01 to 10 mg/L
		Phenolic compounds, as C_6H_5OH	IS 3025(Part 43): 1992 (RA 2003,2009) APHA 22nd 2012,5530 C	0.001 to 1.0 mg/L
		Mineral oil	IS 3025 (Part 39): 1991 (RA 2003) Cl 6	0.1 to 10 mg/L
		Anionic surface active agents as MBAS	IS 13428: 2005 Annex K	0.1 to 10 mg/L
		Sulphide	IS: 3025 (Part 29)-1986 , RA 2009 APHA 22nd ed 4500 S^{2-}D	0.01 to10 mg/L
		Antimony	IS 3025(Part 2): 2004 IS 13428-2005 Annex G APHA 22nd 2012,3125	0.001 to1 mg/L
		Borate / Borates	IS 3025(Part 2): 2004 IS 13428: 2005 Annex H USEPA 2008	0.005 to10 mg/L
		Mercury	IS 3025 (Part 48): 1994(RA 2009) USEPA 2008	0.001 to 0.050 mg/L
		Cadmium	IS 3025(Part 2): 2004 IS 3025 (Part 41): 1992(RA 2009) APHA 22nd 2012, 3125	0.001 to 0.1 mg/L
		Arsenic	IS 3025(Part 2): 2004 IS 3025 (Part 37): 1988(RA 2009) APHA 22nd 2012, 3125	0.005 to 0.5 mg/L

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Natural Mineral water, Packaged drinking water, Drinking water for Food Industry	Cyanide	APHA 22nd 2012, 4500 toCN-E IS 3025 (Part 27): 1986 (RA 2009)	0.01 to1.0 mg/L
		Lead	IS 3025(Part 2): 2004 IS 3025 (Part 47): 1994(RA 2009) APHA 22nd 2012,3125	0.005 to1 mg/L
		Chromium	IS 3025(Part 2): 2004 IS 13428: 2005 Annex J APHA 22nd 2012, 3125	0.005 to1 mg/L
		Nickel	IS 3025(Part 2): 2004 IS 13428: 2005 Annex L APHA 22nd 2012,3125	0.005 to1 mg/L
		Polychlorinated biphenyle (PCB)	IS 13428 Annex M USEPA 508/505 APHA 22nd ed 6431B	0.1 to 50 µg/L
		PAH	APHA 22nd ed 6440 US EPA 525.2	0.1 to 50 µg/L
		Total Hardness as $CaCO_3$	IS 3025(Part-21): 1983 APHA 22nd 2012, 2340 C	1 to 1000 mg/L
		Hexavalent Chromium as $Cr6^+$	IS 3025 (Part 52): 2003(RA 2009) APHA 22nd 2012, 3500 CrB	0.05 to10 mg/L
		Acrylamide	USEPA 8032A Rev 1.0 (1996)	0.1 to 10 µg/L
		Epichlorohydrin	USEPA 846	0.1 to 10 µg/L
		Vinyl chloride	USEPA 846-8270 Rev 4.0 (2007)	0.3 to10 µg/L
		Ammonia (as Total Ammonia-N)	APHA 22nd 2012,4500-$NH3^-$F	0.05 to 10 mg/L

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Natural Mineral water, Packaged drinking water, Drinking water for Food Industry	Conductivity	IS 3025(Part 14): 1984 APHA 22nd 2012, 2510-B	1 to 10000 µS/cm
		Oxidisability	ISO 8467-1993	1 to10 mg/L of O_2
		Beryllium	IS 3025(Part 2): 2004 APHA 22nd 2012, 3125	0.001 to 0.1 mg/L
		Molybdenum	IS 3025(Part 2): 2004 APHA 22nd ed 3125	0.001 to 0.1 mg/L
		Uranium	APHA 22nd 2012,3125	0.001 to 0.1 mg/L
		Reactive Silica as SiO_2	IS 3025 (Part 35): 1988 APHA 22nd 2012,4500-Si C&D	0.1 to 50 mg/L
		Cobalt as CO	APHA 22nd 2012, 3125	0.001 to 0.1 mg/L
		Monochloramine	IS 3025 (Part 26): 1986 (RA 2009)	0.1 to 10 mg/L
		Volatile organicCompounds: 1) Halogenated Hydrocarbons- 2)Trihalomethanes, 3)Aromatics, 4)Chlor-organics	USEPA 524.2 Rev 4.0 (1992)	0.5 to100 µg/L
		1,1 Dichloroethene		0.5 to100 µg/L
		Methylene Chloride		0.5 to100 µg/L
		Trans 1,2 toDichloroethene		0.5 to100 µg/L
		1,1 toDichloroethane		0.5 to100 µg/L
		Cis to1,2 Dichloroethene		0.5 to100 µg/L
		Chloroform		0.5 to100 µg/L

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Natural Mineral water, Packaged drinking water, Drinking water for Food Industry	Carbon Tetra chloride	USEPA 524.2 Rev 4.0 (1992)	0.5 to100 µg/L
		2,2 toDichloropropane		0.5 to100 µg/L
		Dibromofluoromethane		0.5 to100 µg/L
		1,2 toDichloroethane		0.5 to100 µg/L
		1,1,1 toTrichloroethane		0.5 to100 µg/L
		1,1 toDichloropropene		0.5 to100 µg/L
		Benzene		0.5 to100 µg/L
		Dibromo Methane		0.5 to100 µg/L
		1,2 toDichloropropane		0.5 to100 µg/L
		Trichloroethylene		0.5 to100 µg/L
		Bromodichloromethane		0.5 to100 µg/L
		1,3 toDichloropropene		0.5 to100 µg/L
		1,1,2 toTrichloroethane		0.5 to100 µg/L
		Toluene		0.5 to100 µg/L
		1,3 toDichloropropane		0.5 to100 µg/L
		Dibromochloromethane		0.5 to100 µg/L
		1,2 toDibromomethane		0.5 to100 µg/L
		Tetrachloroethylene		0.5 to100 µg/L
		1,1,1,2 toTetrachloroethane		0.5 to100 µg/L
		Chlorobenzene		0.5 to100 µg/L
		Ethylbenzene		0.5 to100 µg/L
		Bromoform		0.5 to100 µg/L
		M & p toXylene		0.5 to100 µg/L
		Styrene		0.5 to100 µg/L
		1,1,2,2 toTetrachloroethane		0.5 to100 µg/L
		O toXylene		0.5 to100 µg/L
		1,2,3 toTrichloropropane		0.5 to100 µg/L
		Bromobenzene		0.5 to100 µg/L

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Natural Mineral water, Packaged drinking water, Drinking water for Food Industry	Propylbenzene	USEPA 524.2 Rev 4.0 (1992)	0.5 to100 µg/L
		2 toChlorotoluene		0.5 to100 µg/L
		4 toChlorotoluene		0.5 to100 µg/L
		1,3,5 toTrimethylbenzene		0.5 to100 µg/L
		Tertiary tobutyl benzene		0.5 to100 µg/L
		1,2,4 toTrimethyl benzene		0.5 to100 µg/L
		1,3 toDichlorobenzene		0.5 to100 µg/L
		1,4 toDichlorobenzene		0.5 to100 µg/L
		1,2 toDichlorobenzene		0.5 to100 µg/L
		Butyl benzene		0.5 to100 µg/L
		1,2 toDibromo-3-chlorpropene		0.5 to100 µg/L
		1,2,4 toTrichlorobenzene		0.5 to100 µg/L
		Napthalene		0.5 to100 µg/L
		Hexachlorobutadiene		0.5 to100 µg/L
		1,2,3 toTrichlorobenzene		0.5 to100 µg/L
2.	**Water Natural Mineral water Packaged drinking water Drinking water Water for Food Industry**	**Pesticide Residue**	Test Method NoR-10A&B based on USEPA methods: 508,515, 8141A,1657A,525.2,.1,532,507	
		o,p'-DDE	Validated test Method No.10 A by GC-MS based on US EPA 508 Rev 3.0(1989) Issue No:1.0 Issue Dt: 30.06.2010	0.01 to 100 µg/L
		p,p'-DDE		0.01 to 100 µg/L
		o,p'-DDD		0.01 to 100 µg/L
		p,p'-DDD		0.01 to 100 µg/L
		o,p'-DDT		0.01 to 100 µg/L
		p,p'-DDT		0.01 to 100 µg/L
		Gamma-HCH (Lindane)		0.01 to 100 µg/L
		Alpha-HCH		0.01 to 100 µg/L
		Beta-HCH		0.01 to 100 µg/L

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Water **Natural Mineral water** **Packaged drinking water** **Drinking water** **Water for Food Industry**	Delta-HCH	Validated test Method No.10 A by GC-MS based on US EPA 508 Rev 3.0(1989) Issue No:1.0 Issue Dt: 30.06.2010	0.01 to 100 µg/L
		Alpha Endosulfan		0.01 to 100 µg/L
		Beta Endosulfan		0.01 to 100 µg/L
		Endosulfan Sulfate		0.01 to 100 µg/L
		Monocrotophos	USEPA 8141A Rev1(1994)	0.01 to 100 µg/L
		Ethion	USEPA 1657A Sept 2000	0.01 to 100 µg/L
		Chlorpyrifos	USEPA 525.2 Rev 2.0 (1995)/ 8141A	0.01 to 100 µg/L
		Phorate	USEPA 8141A Rev1(1994)	0.01 to 100 µg/L
		Phorate sulfoxide		0.01 to 100 µg/L
		Phorate Sulfone		0.01 to 100 µg/L
		2,4-D	USEPA 515.1 Rev 4.1 (1995)	0.01 to 100 µg/L
		Butachlor	USEPA 525.2 Rev 2.0 (1995)/ 8141A	0.01 to 100 µg/L
		Isoproturon	USEPA 532 Rev 1.0 (2000)	0.01 to 100 µg/L
		Alachlor	USEPA 525.2 Rev 2.0 (1995)/507 Rev 2.0 (1989)	0.01 to 100 µg/L
		Atrazine	USEPA 525.2 Rev 2.0 (1995)/8141A Rev1(1994)	0.01 to 100 µg/L
		Parathion methyl	USEPA 8141A Rev1(1994)	0.01 to 100 µg/L
		Paraoxon methyl		0.01 to 100 µg/L

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Water Natural Mineral water Packaged drinking water Drinking water Water for Food Industry	Malathion	USEPA 8141A Rev1(1994)	0.01 to 100 µg/L
		Malaoxon		0.01 to 100 µg/L
		Aldrin	USEPA 525.2 Rev 2.0 (1995)	0.01 to 100 µg/L
		Pyriproxifen	Validated Test Method No R-10B by LC-MS-MS based on US EPA Issue No:1.0 Issue Dt: 30.06.2010	0.01 to 100 µg/L
		Pendimethalin		0.01 to 100 µg/L
		Dimethoate		0.01 to 100 µg/L
		Carbofuran		0.01 to 100 µg/L
		Aldicarb		0.01 to 100 µg/L
		Simazine		0.01 to 100 µg/L
		Fenoprop		0.01 to 100 µg/L
		PCP		0.01 to 100 µg/L
		2,4,5-T		0.01 to 100 µg/L
		2,4-DB		0.01 to 100 µg/L
		Dichlorprop		0.01 to 100 µg/L
		Mecoprop		0.01 to 100 µg/L
		MCPA		0.01 to 100 µg/L
III.	**PLASTICS AND RESINS**			
1.	**Packaging materials** Water-Containers for packing of natural mineral water and packaged drinking water	Migration test	IS 9845: 1998	1 to15 mg/ sq.dm
		Water potability test	IS 15410: 2003 Annex B Amd. 2	Qualitative
		Finish and appearance	IS 15410: 2003	Qualitative
		Capacity	IS 2798: 1998 Cl. 5	100 ml to 20 L

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
IV.	**POLLUTION AND ENVIRONMENT**			
1.	**Liquid Effluents**	Chloride	APHA22nd 2012,4500-Cl-B	1 to 1000 mg/L
		Fluoride	APHA 22nd 2012, 4500-F-B&D	0.1 to 10 mg/L
		Total Phosphate	APHA 22nd 2012, 4500-P-C,D &E	0.1 to 100 mg/L
		Sulphates	APHA 22nd 2012, 4500-SO4-D&E	1 to 1000 mg/L
		Sulphide	APHA 22nd 2012, 4500-S2-D&F	0.1 to 100 mg/L
		Phenolic compounds as C_6H_5OH	APHA 22nd 2012, 5530-C&D	0.01 to 100 mg/L
		Aluminium	APHA22nd 2012, 3125	0.1 to 100 mg/L
		Antimony	APHA22nd 2012, 3125	0.1 to 100 mg/L
		Boron	EPA 200.8	0.1 to 100 mg/L
		Cadmium	APHA 22nd 2012, 3125	0.1 to 100 mg/L
		Copper	APHA 22nd 2012, 3125	0.1 to 100 mg/L
		Nickel	APHA 22nd 2012,3125	0.1 to 100 mg/L
		Total Chromium	APHA 22nd 2012, 3500-Cr-B	0.1 to 100 mg/L
		Hexavalent Chromium	APHA22nd 2012, 3500-Cr-B	0.1 to 100 mg/L
		Chromium,	APHA 22nd 2012, 3125	0.1 to 100 mg/L
		Strontium	APHA 22nd 2012, 3125	0.1 to 100 mg/L
		Vanadium	APHA 22nd 2012, 3125	0.1 to 100 mg/L
		Zinc	APHA 22nd 2012, 3125	0.1 to 100 mg/L

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Liquid Effluents	Arsenic	APHA 22nd 2012, 3125	0.1 to 100 mg/L
		Lead	APHA 22nd 2012, 3125	0.1 to 100 mg/L
		Mercury	APHA 22nd 2012, 3125	0.01to 10 mg/L
		Selenium	APHA22nd 2012,3125	0.1 to 100 mg/L
		Sodium	APHA 22nd 2012, 3500-Na-B	0.1 to 100 mg/L
		Potassium	APHA22nd 2012, 3500-K –B	0.1 to 100 mg/L
		Calcium	APHA 22nd 2012, 3500-Ca-B	0.1 to 1000 mg/L
		Magnesium	APHA 22nd 2012, -Mg-B	0.1 to 1000 mg/L
		Total Alkalinity as $CaCO_3$	APHA 22nd 2012,2320-B	0.5 to 1000 mg/L
		Total Hardness	APHA 22nd 2012, 230-C	1 to 1000 mg/L
		Biochemical Oxygen Demand	APHA 22nd 2012, 5210-B IS 3025(Part 44): 2000	2 to 50000 mg/L
		Chemical Oxygen Demand	APHA 22nd 2012,5220-B	4 to 100000 mg/L
		Dissolved Oxygen	APHA 22nd 2012, 4500-O-C	1 to 10 mg/L
		Volatile Organic Compounds	EPA8260c:1996 / Method 1501, issue 3, NMAM 4th edition	1 to 100 µg/L
		PAH	EPA525.2:1995 / Method 5506, issue 3, NMAM 4th edition	1 to 100 µg/L
		PCB	Annex M of IS:13428 /USEPA 508/505	0.1 to 50 µg/L
		Loss on drying	IS 9235: 1979	0.1 to 20 %

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Liquid Effluents	Loss on ignition	IS 10158: 1982	0.1 to 50 %
		Total Cyanide	USEPA 9013A Rev 1(2004)	0.1 to 200 mg/kg
		Total Sulfide	USEPA 9030B Rev2.0 (1996)	1 to 50 mg/kg
		Hexavalent Chromium	EPA 3060A Rev 1.0(1996)	0.1 to 1000 mg/kg
		Vanadium	APHA 22nd 2012, 3125	0.1 to 100 mg/L
		Zinc	APHA 22nd 2012, 3125	0.1 to 100 mg/
		Arsenic	APHA 22nd 2012, 3125	0.1 to 100 mg/L
		Lead	APHA 22nd 2012, 3125	0.1 to 100 mg/L
		Mercury	APHA 22nd 2012, 3125	0.01to 10 mg/L
		Selenium	APHA22nd 2012,3125	0.1 to 100 mg/L
		Sodium	APHA 22nd 2012, 3500-Na-B	0.1 to 100 mg/L
		Potassium	APHA22nd 2012, 3500-K –B	0.1 to 100 mg/L
		Calcium	APHA 22nd 2012, 3500-Ca-B	0.1 to 1000 mg/L
		Magnesium	APHA 22nd 2012, -Mg-B	0.1 to 1000 mg/L
		Total Alkalinity as CaCO3	APHA 22nd 2012,2320-B	0.5 to 1000 mg/L
		Total Hardness	APHA 22nd 2012, 230-C	1 to 1000 mg/L
		Biochemical Oxygen Demand	APHA 22nd 2012, 5210-B IS: 3025(Part 44): 2000	2 to 50000 mg/L
		Chemical Oxygen Demand	APHA 22nd 2012,5220-B	4 to 100000 mg/L

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Liquid Effluents	Dissolved Oxygen	APHA 22nd 2012, 4500-O-C	1 to 10 mg/L
		Volatile Organic Compounds (VOC's)	EPA8260c:1996 / Method 1501, issue 3, NMAM 4th edition	1 to 100 µg/L
		PAH	EPA525.2:1995 / Method 5506, issue 3, NMAM 4th edition	1 to 100 µg/L
		PCB	IS:13428 Annex M USEPA 508/505	0.1 to 50 µg/L
		Loss on drying	IS 9235: 1979	0.1 to 20 %
		Loss on ignition	IS:10158:1982	0.1 to 50 %
		Total Cyanide	USEPA 9013A Rev 1(2004)	0.1 to 200 mg/kg
		Total Sulfide	USEPA 9030B Rev2.0 (1996)	1 to 50 mg/kg
		Hexavalent Chromium	EPA 3060A Rev 1.0(1996)	0.1 to 1000 mg/kg
2.	**Solid waste, Hazardous solid Waste**	Loss on drying	IS 9235: 1979	0.1 to 20 %
		Loss on ignition	IS 10158: 1982	0.1 to 50 %
		Total Cyanide	USEPA 9013A Rev 1(2004)	0.1 to 200 mg/kg
		Total Sulfide	USEPA 9030B Rev2.0 (1996)	1 to 50 mg/kg
		Hexavalent Chromium	EPA 3060A Rev 1.0(1996)	0.1 to 1000 mg/kg
		Iron	EPA-APHA 22nd 2012,3125	0.1 to 20000 mg/kg
		Lead	EPA-APHA 22nd 2012,3125	0.1 to 1000 mg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Solid waste, Hazardous solid Waste	Manganese	EPA-APHA 22nd 2012,3125	0.1 to 1000 mg/kg
		Nickel	EPA-APHA 22nd 2012,3125	0.1 to 1000 mg/kg
		Selenium	EPA-APHA 22nd 2012,3125	0.1 to 1000 mg/kg
		Zinc	EPA-APHA 22nd 2012,3125	0.1 to 1000 mg/kg
		Volatile Organic Compounds (VOC's)	EPA8260c/ / Method 1501, issue 3, NMAM 4th edition	1 to 1000 µg/kg
		PAH	EPA525.2/ Method 5506, issue 3, NMAM 4th edition	0.1 to 100 µg/kg
		PCB	IS 13428: 2005 Annex M USEPA 508/ 505	0.1 to100 µg/kg
V.	**AIR, GASES AND ATMOSPHERE**			
1.	**Ambient Air Monitoring**	Particulate Matter, PM2.5	US-EPA EQPM-0308-170 and & CPCB Manual	1 to 500 µg/m^3
		Particulate Matter (RPM), PM10	US-EPA EQPM-0798-122 IS 5182 (Part 23): 1999 (RA2009)	5 to 5000 µg /m^3
		Sulphur Dioxide	IS 5182 (Part 2): 2001 West and Gaeke method, and & CPCB Manual	4 to 300 µg/m^3
		Nitrogen dioxide	IS 5182 (Part 6): 2006 Jacob & Hochheiser Sodium Arsenite method	4 to 300 µg/m^3
		Ammonia	Method 401, Air sampling and analysis, APHA, 3rd edition	5 to 5000 µg /m^3

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Ambient Air Monitoring	Ozone	IS 5182 (Part 9):1974(RA2009) UV Spectrophotometric method	0.5 to 500 µg/m^3
		Carbon monoxide	IS 5182 (Part 10): 1999(RA 2009) Cl 3, Indicator tube method	100 to 10000 µg /m^3
		Benzene	US-EPA method TO-17:1999, Adsorption and desorption followed by GC-MS analysis	0.1 to 100 µg/m^3
		Benzo(a)pyrene, (BaP), Particulate phase only	US-EPA Method TO 13A:1999 IS 5182 Part 12:2004, RA2009 Solvent extraction followed by GC-MS analysis	1 to 100 ng/m^3
		Chlorine	IS 5182 (Part 19): 1982 (RA 2003) IC method	10 to 2000 µg /m^3
		Hydrogen sulphide	IS 5182 (Part 7): 1973 Ferric Chloride toamine method	3 to 200 µg/m^3
		Mercaptans	ASTM D-2913 Spectrophotometric method	4 to 200 µg/m^3
		Trace Metals collected on Filters		
		Arsenic (As)	US-EPA Compendium method IO 3.5 -1999	1 to 1000 ng/m^3
		Lead (Pb)		0.001 to 10 µg/m^3
		Nickel (Ni)		1 to 1000 ng/m^3
		Cadmium (Cd)		1 to 1000 ng/m^3
		Chromium (Cr)		1 to 1000 ng/m^3
		Nickel (Ni)		1 to 1000 ng/m^3
		Zinc (Zn)		1 to 1000 ng/m^3

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Ambient Air Monitoring	**Volatile Organic Compounds (60 compounds) :**	USEPA Method-TO 17:1999	
		Benzene		0.01 to 500 µg/m^3
		Bromobenzene		0.01 to 500 µg/m^3
		Bromochloromethane		0.01 to 500 µg/m^3
		Bromodichloromethane		0.01 to 500 µg/m^3
		Bromoform		0.01 to 500 µg/m^3
		p-Butylbenzene		0.01 to 500 µg/m^3
		sec-Butylbenzene		0.01 to 500 µg/m^3
		tert-Butylbenzene		0.01 to 500 µg/m^3
		Carbontetrachloride		0.01 to 500 µg/m^3
		Chlorobenzene		0.01 to 500 µg/m^3
		Chloroform		0.01 to 500 µg/m^3
		2-Chlorotoluene		0.01 to 500 µg/m^3
		4-Chlorotoluene		0.01 to 500 µg/m^3
		Dibromochloromethane		0.01 to 500 µg/m^3
		1,2-di Bromo-3-chloropropane		0.01 to 500 µg/m^3
		1,2 di Bromoethane		0.01 to 500 µg/m^3
		Dibromomethane		0.01 to 500 µg/m^3
		1,2 Dichlorobenzene		0.01 to 500 µg/m^3
		1,3-Dichlorobenzene		0.01 to 500 µg/m^3
		1,4-Dichlorobenzene		0.01 to 500 µg/m^3
		1,1-Dichloroethane		0.01 to 500 µg/m^3
		1,2-Dichloroethane		0.01 to 500 µg/m^3
		1,1-Dichloroethene		0.01 to 500 µg/m^3
		cis-1,2-Dichloroethene		0.01 to 500 µg/m^3
		trans-1,2-Dichloroethene		0.01 to 500 µg/m^3
		1,2-Dichloropropane		0.01 to 500 µg/m^3

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Ambient Air Monitoring	1,4-Dichloropropane	USEPA Method-TO 17:1999	0.01 to 500 µg/m^3
		2,2-Dichloropropane		0.01 to 500 µg/m^3
		1,1-Dichloropropene		0.01 to 500 µg/m^3
		Cis-1,3-Dichloropropene		0.01 to 500 µg/m^3
		Trans-1,3-Dichloropropene		0.01 to 500 µg/m^3
		Ethyl benzene		0.01 to 500 µg/m^3
		Hexachlorobutadiene		0.01 to 500 µg/m^3
		Isopropyl benzene		0.01 to 500 µg/m^3
		p-Isopropyl benzene		0.01 to 500 µg/m^3
		Dichloromethane		0.01 to 500 µg/m^3
		Naphthalene		0.01 to 500 µg/m^3
		n-Propyl benzene		0.01 to 500 µg/m^3
		Styrene		0.01 to 500 µg/m^3
		1,1,1,2-Tetrachloroethane		0.01 to 500 µg/m^3
		1,1,2,2-Tetrachloroethane		0.01 to 500 µg/m^3
		Tetrachloroethene		0.01 to 500 µg/m^3
		Toluene		0.01 to 500 µg/m^3
		1,2,3-Trichlorobenzene		0.01 to 500 µg/m^3
		1,2,4-Trichlorobenzene		0.01 to 500 µg/m^3
		1,1,1-Trichloroethane		0.01 to 500 µg/m^3
		1,1,2-Trichloroethane		0.01 to 500 µg/m^3
		Trichloroethene		0.01 to 500 µg/m^3
		1,2,3-Trichloropropane		0.01 to 500 µg/m^3
		1,2,4-Trimethylbenzene		0.01 to 500 µg/m^3
		1,3,5-Trimethylbenzene		0.01 to 500 µg/m^3
		o-Xylene		0.01 to 500 µg/m^3
		m-Xylene		0.01 to 500 µg/m^3
		p-Xylene		0.01 to 500 µg/m^3
		Bromoethane		0.01 to 500 µg/m^3
		Chloroethane		0.01 to 500 µg/m^3

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Ambient Air Monitoring	Chloromethane	USEPA Method-TO 17:1999	0.01 to 500 µg/m^3
		Dichlorodifluoromethane		0.01 to 500 µg/m^3
		Trichlorofluoromethane		0.01 to 500 µg/m^3
		Vinyl chloride		0.01 to 500 µg/m^3
		Semi Volatile Organic Compounds (including Polynuclear aromatic hydrocarbons-PAH & BTEX compounds) :	USEPA Method-TO 13A:1999	
		Acenaphthene		0.01 to 100 µg/m^3
		Acenaphthylene		0.01 to 100 µg/m^3
		Anthracene		0.01 to 100 µg/m^3
		Azobenzene		0.01 to 100 µg/m^3
		Benz(a)anthracene		0.01 to 100 µg/m^3
		Benzo(b)fluoranthene		0.01 to 100 µg/m^3
		Benzo(k)fluoranthene		0.01 to 100 µg/m^3
		Benzo(ghi)perylene		0.01 to 100 µg/m^3
		Benzo(a)pyrene		0.01 to 100 µg/m^3
		Benzyl butyl phthalate		0.01 to 100 µg/m^3
		bis(2-Chloroethoxy) methane		0.01 to 100 µg/m^3
		bis(2-Chloroethyl) ether		0.01 to 100 µg/m^3
		bis(2-Chloroisopropyl) ether		0.01 to 100 µg/m^3
		bis(2-ethylhexyl) phthalate		0.01 to 100 µg/m^3
		Carbazole		0.01 to 100 µg/m^3
		Chrysene		0.01 to 100 µg/m^3
		Di-n-butyl phthalate		0.01 to 100 µg/m^3
		Di-n-octyl phthalate		0.01 to 100 µg/m^3
		Dibenz(a,h)anthracene		0.01 to 100 µg/m^3
		Diethyl phthalate		0.01 to 100 µg/m^3

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Ambient Air Monitoring	Dimethyl phthalate	USEPA Method-TO 13A:1999	0.01 to 100 µg/m^3
		Fluoranthene		0.01 to 100 µg/m^3
		Fluorene		0.01 to 100 µg/m^3
		Hexachlorobenzene		0.01 to 100 µg/m^3
		Hexachlorobutadiene		0.01 to 100 µg/m^3
		Hexachlorocyclopentadiene		0.01 to 100 µg/m^3
		Hexachloroethane		0.01 to 100 µg/m^3
		Indeno (1,2,3-CD) pyrene		0.01 to 100 µg/m^3
		Isophorone		0.01 to 100 µg/m^3
		N-nitrosodi-N-propylamine		0.01 to 100 µg/m^3
		N-nitrosodimethylamine		0.01 to 100 µg/m^3
		Naphthalene, Nitrobenzene		0.01 to 100 µg/m^3
		Pentachlorophenol		0.01 to 100 µg/m^3
		Phenanthrene		0.01 to 100 µg/m^3
		Phenol , Pyrene		0.01 to 100 µg/m^3
		1,2-Dichlorobenzene		0.01 to 100 µg/m^3
		1,2,4-Trichlorobenzene		0.01 to 100 µg/m^3
		1,3-Dichlorobenzene		0.01 to 100 µg/m^3
		1,4-Dichlorobenzene		0.01 to 100 µg/m^3
		2-Chloronaphthalene		0.01 to 100 µg/m^3
		2-Chlorophenol		0.01 to 100 µg/m^3
		2-Methyl-4,6-dinitrophenol		0.01 to 100 µg/m^3
		2-Nitrophenol		0.01 to 100 µg/m^3
		2,4-Dichlorophenol		0.01 to 100 µg/m^3
		2,4-Dimethylphenol		0.01 to 100 µg/m^3
		2,4-Dinitrophenol		0.01 to 100 µg/m^3
		2,4-Dinitrotoluene		0.01 to 100 µg/m^3
		2,4,6-Trichlorophenol		0.01 to 100 µg/m^3
		2,6-Dinitrotoluene		0.01 to 100 µg/m^3
		2,4,6-Trichlorophenol		0.01 to 100 µg/m^3

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Ambient Air Monitoring	2,6-Dinitrotoluene	USEPA Method-TO 13A:1999	0.01 to 100 µg/m^3
		4-Bromophenylphenyl ether		0.01 to 100 µg/m^3
		4-Chloro-3-methylphenol		0.01 to 100 µg/m^3
		4-Chlorophenylphenyl ether		0.01 to 100 µg/m^3
		4-Nitrophenol		0.01 to 100 µg/m^3
		Polychlorinated Biphenyls and Polychlorinated Pollutants (8 PCBs):		
		2-Chlorobiphenyl		0.01 to 100 µg/m^3
		2,3-Dichlorobiphenyl		0.01 to 100 µg/m^3
		2,2',3,3',4,4'4',6-Heptachlorobiphenyl		0.01 to 100 µg/m^3
		2,2',4,4',5,6'-Hexachlorobiphenyl		0.01 to 100 µg/m^3
		2,2',3',3',4,5',6,6'-Octachlorobiphenyl		0.01 to 100 µg/m^3
		2,2',3',4,6-Pentachlorobiphenyl		0.01 to 100 µg/m^3
		2,2',4,4'-Tetrachlorobiphenyl		0.01 to 100 µg/m^3
		2,4,5-Trichlorobiphenyl		0.01 to 100 µg/m^3
2.	**Stack emission monitoring** Gaseous pollutants excluding vehicular	Particulate matter	IS 11255 (Part 1): 1985(RA 2009)	5 to 1000 mg/Nm^3
		Sulphur dioxide	IS 11255 (Part 2): 1985(RA 2009) USEPA Method 6C	5 to 1000 mg/Nm^3
		Flow rate	IS 11255 (Part 3): 2008	10 to 50000 Nm^3/hr
		Temperature	IS 11255 (Part 3): 2008	Ambient to 600 ^{o}C
		Flue gas velocity	IS 11255 (Part 3): 2008	3 to 60 m / sec

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Stack emission monitoring Gaseous pollutants excluding vehicular	Hydrogen sulphide	IS 11255 (Part 4): 2006 USEPA Method-11 IS 5182 (Part 7): 1973 Ferric Chloride toamine method	8 to 740 mg/Nm^3
		Carbon disulphide	IS 11255 Part 4:2006, USEPA Method-11/IS 5182 Part VII: 1973, Ferric Chloride toamine method	8 to 740mg/Nm^3
	Stack emission monitoring	Total fluorides	IS 11255 Part 5:1990, RA 2009	0.5 to 300 mg/Nm^3
		Ammonia	IS 11255 Part 6:1999, RA 2009	0.1 to 500 mg/Nm^3
		Oxides of Nitrogen	IS 11255 Part 7:2005 / USEPA 7E:1990	5 to 1000 mg/Nm^3
		Chlorine	IS 5182 Part 19:1982, USEPA 26 A	0.5 to 300mg /Nm^3
		CO	USEPA method -10	1 to 2000 ppm
		CO_2	USEPA method -3A:1989	0.1 to20%
		N_2	USEPA method -3A:1989	0.1 to80%
		O_2	USEPA method -3A:1989	0.1 to20%
		Hydrocarbons	USEPA method -3C	5 to 5000 ppm
		Total Heavy Metals Aluminium Antimony Arsenic Barium	IS 11255 (Part-1), USEPA Method-29	0.01 to 100 µg/Nm^3 0.01 to 100 µg/Nm^3 0.01 to 100 µg/Nm^3 0.01 to 100 µg/Nm^3 0.01 to 100 µg/Nm^3

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Stack emission monitoring	Silver	IS 11255 (Part-1), USEPA Method-29	0.01 to 100 µg/Nm^3
		Cadmium		0.01 to 100 µg/Nm^3
		Calcium		0.01 to 100 µg/Nm^3
		Chromium		0.01 to 100 µg/Nm^3
		Cobalt		0.01 to 100 µg/Nm^3
		Copper		0.01 to 100 µg/Nm^3
		Mercury		0.01 to 100 µg/Nm^3
		Lead		0.01 to 100 µg/Nm^3
		Manganese		0.01 to 100 µg/Nm^3
		Nickel		0.01 to 100 µg/Nm^3
		Zinc		0.01 to 100 µg/Nm^3
		Selenium		0.01 to 100 µg/Nm^3
		Volatile Organic Compounds (60 compounds):	USEPA Methods 0031 & to17:1999	
		Benzene		0.01 to 500 µg/Nm^3
		Bromobenzene		0.01 to 500 µg/Nm^3
		Bromochloromethane		0.01 to 500 µg/Nm^3
		Bromodichloromethane		0.01 to 500 µg/Nm^3
		Bromoform		0.01 to 500 µg/Nm^3
		p-Butylbenzene		0.01 to 500 µg/Nm^3
		sec-Butylbenzene		0.01 to 500 µg/Nm^3
		tert-Butylbenzene		0.01 to 500 µg/Nm^3
		Carbontetrachloride		0.01 to 500 µg/Nm^3
		Chlorobenzene		0.01 to 500 µg/Nm^3
		Chloroform		0.01 to 500 µg/Nm^3
		2-Chlorotoluene		0.01 to 500 µg/Nm^3
		4-Chlorotoluene		0.01 to 500 µg/Nm^3
		Dibromochloromethane		0.01 to 500 µg/Nm^3
		1,2-di Bromo-3-chloropropane		0.01 to 500 µg/Nm^3
		1,2 di Bromoethane		0.01 to 500 µg/Nm^3
		Dibromomethane		0.01 to 500 µg/Nm^3

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Stack emission monitoring	1,2 Dichlorobenzene	USEPA Methods 0031 & to 17:1999	0.01 to 500 µg/Nm^3
		1,3-Dichlorobenzene		0.01 to 500 µg/Nm^3
		1,4-Dichlorobenzene		0.01 to 500 µg/Nm^3
		1,1-Dichloroethane		0.01 to 500 µg/Nm^3
		1,2-Dichloroethane		0.01 to 500 µg/Nm^3
		1,1-Dichloroethene		0.01 to 500 µg/Nm^3
		cis-1,2-Dichloroethene		0.01 to 500 µg/Nm^3
		trans-1,2-Dichloroethene		0.01 to 500 µg/Nm^3
		1,2-Dichloropropane		0.01 to 500 µg/Nm^3
		1,4-Dichloropropane		0.01 to 500 µg/Nm^3
		2,2-Dichloropropane		0.01 to 500 µg/Nm^3
		1,1-Dichloropropene		0.01 to 500 µg/Nm^3
		Cis-1,3-Dichloropropene		0.01 to 500 µg/Nm^3
		Trans-1,3-Dichloropropene		0.01 to 500 µg/Nm^3
		Ethyl benzene		0.01 to 500 µg/Nm^3
		Hexachlorobutadiene		0.01 to 500 µg/Nm^3
		Isopropyl benzene		0.01 to 500 µg/Nm^3
		p-Isopropyl benzene		0.01 to 500 µg/Nm^3
		Dichloromethane		0.01 to 500 µg/Nm^3
		Naphthalene		0.01 to 500 µg/Nm^3
		n-Propyl benzene		0.01 to 500 µg/Nm^3
		Styrene		0.01 to 500 µg/Nm^3
		1,1,1,2-Tetrachloroethane		0.01 to 500 µg/Nm^3
		1,1,2,2-Tetrachloroethane		0.01 to 500 µg/Nm^3
		Tetrachloroethene		0.01 to 500 µg/Nm^3
		Toluene		0.01 to 500 µg/Nm^3
		1,2,3-Trichlorobenzene		0.01 to 500 µg/Nm^3
		1,2,4-Trichlorobenzene		0.01 to 500 µg/Nm^3
		1,1,1-Trichloroethane		0.01 to 500 µg/Nm^3
		1,1,2-Trichloroethane		0.01 to 500 µg/Nm^3

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Stack emission monitoring	Trichloroethene	USEPA Methods 0031 & to 17:1999	0.01 to 500 µg/Nm^3
		1,2,3-Trichloropropane		0.01 to 500 µg/Nm^3
		1,2,4-Trimethylbenzene		0.01 to 500 µg/Nm^3
		1,3,5-Trimethylbenzene		0.01 to 500 µg/Nm^3
		o-Xylene		0.01 to 500 µg/Nm^3
		m-Xylene		0.01 to 500 µg/Nm^3
		p-Xylene		0.01 to 500 µg/Nm^3
		Bromoethane		0.01 to 500 µg/Nm^3
		Chloroethane		0.01 to 500 µg/Nm^3
		Chloromethane		0.01 to 500 µg/Nm^3
		Dichlorodifluoromethane		0.01 to 500 µg/Nm^3
		Trichlorofluoromethane		0.01 to 500 µg/Nm^3
		Vinyl chloride		0.01 to 500 µg/Nm^3
		Semi Volatile Organic Compounds (including Polynuclear aromatic hydrocarbons-PAH & BTEX compounds) :	USEPA Method-to 13A:1999 & CARB method 429	
		Acenaphthene		0.01 to 100 µg/Nm^3
		Acenaphthylene		0.01 to 100 µg/Nm^3
		Anthracene		0.01 to 100 µg/Nm^3
		Azobenzene		0.01 to 100 µg/Nm^3
		Benz(a)anthracene		0.01 to 100 µg/Nm^3
		Benzo(b)fluoranthene		0.01 to 100 µg/Nm^3
		Benzo(k)fluoranthene		0.01 to 100 µg/Nm^3
		Benzo(ghi)perylene		0.01 to 100 µg/Nm^3
		Benzo(a)pyrene		0.01 to 100 µg/Nm^3
		Benzyl butyl phthalate		0.01 to 100 µg/Nm^3
		bis(2-Chloroethoxy) methane		0.01 to 100 µg/Nm^3
		bis(2-Chloroethyl) ether		0.01 to 100 µg/Nm^3

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Stack emission monitoring	bis(2-Chloroisopropyl) ether	USEPA Method to 13A:1999 & CARB method 429	0.01 to 100 µg/Nm^3
		bis(2-ethylhexyl) phthalate		0.01 to 100 µg/Nm^3
		Carbazole		0.01 to 100 µg/Nm^3
		Chrysene		0.01 to 100 µg/Nm^3
		Di-n-butyl phthalate		0.01 to 100 µg/Nm^3
		Di-n-octyl phthalate		0.01 to 100 µg/Nm^3
		Dibenz(a,h)anthracene		0.01 to 100 µg/Nm^3
		Diethyl phthalate		0.01 to 100 µg/Nm^3
		Dimethyl phthalate		0.01 to 100 µg/Nm^3
		Fluoranthene		0.01 to 100 µg/Nm^3
		Fluorene		0.01 to 100 µg/Nm^3
		Hexachlorobenzene		0.01 to 100 µg/Nm^3
		Hexachlorobutadiene		0.01 to 100 µg/Nm^3
		Hexachlorocyclopentadiene		0.01 to 100 µg/Nm^3
		Hexachloroethane		0.01 to 100 µg/Nm^3
		Indeno (1,2,3-CD) pyrene		0.01 to 100 µg/Nm^3
		Isophorone		0.01 to 100 µg/Nm^3
		N-nitrosodi-N-propylamine		0.01 to 100 µg/Nm^3
		N-nitrosodimethylamine		0.01 to 100 µg/Nm^3
		Naphthalene		0.01 to 100 µg/Nm^3
		Nitrobenzene		0.01 to 100 µg/Nm^3
		Pentachlorophenol		0.01 to 100 µg/Nm^3
		Phenanthrene		0.01 to 100 µg/Nm^3
		Phenol		0.01 to 100 µg/Nm^3
		Pyrene		0.01 to 100 µg/Nm^3
		1,2-Dichlorobenzene		0.01 to 100 µg/Nm^3
		1,2,4-Trichlorobenzene		0.01 to 100 µg/Nm^3
		1,3-Dichlorobenzene		0.01 to 100 µg/Nm^3
		1,4-Dichlorobenzene		0.01 to 100 µg/Nm^3
		2-Chloronaphthalene		0.01 to 100 µg/Nm^3

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Stack emission monitoring	2-Chlorophenol	USEPA Method to 13A:1999 & CARB method 429	0.01 to 100 µg/Nm^3
		2-Methyl-4,6-dinitrophenol		0.01 to 100 µg/Nm^3
		2-Nitrophenol		0.01 to 100 µg/Nm^3
		2,4-Dichlorophenol		0.01 to 100 µg/Nm^3
		2,4-Dimethylphenol		0.01 to 100 µg/Nm^3
		2,4-Dinitrophenol		0.01 to 100 µg/Nm^3
		2,4-Dinitrotoluene		0.01 to 100 µg/Nm^3
		2,4,6-Trichlorophenol		0.01 to 100 µg/Nm^3
		2,6-Dinitrotoluene		0.01 to 100 µg/Nm^3
		4-Bromophenylphenyl ether		0.01 to 100 µg/Nm^3
		4-Chloro-3-methylphenol		0.01 to 100 µg/Nm^3
		4-Chlorophenylphenyl ether		0.01 to 100 µg/Nm^3
		4-Nitrophenol		0.01 to 100 µg/Nm^3
		Polychlorinated Biphenyls and Polychlorinated Pollutants (8 PCBs):	CARB Method-428:1990 (Adsorption on XAD resin)	
		2-Chlorobiphenyl		0.01 to 100 µg/Nm^3
		2,3-Dichlorobiphenyl		0.01 to 100 µg/Nm^3
		2,2',3,3',4,4'',6-Heptachlorobiphenyl		0.01 to 100 µg/Nm^3
		2,2',4,4',5,6'-Hexachlorobiphenyl		0.01 to 100 µg/Nm^3
		2,2',3',3',4,5',6,6'-Octachlorobiphenyl		0.01 to 100 µg/Nm^3
		2,2',3',4,6-Pentachlorobiphenyl		0.01 to 100 µg/Nm^3
		2,2',4,4'-Tetrachlorobiphenyl		0.01 to 100 µg/Nm^3
		2,4,5-Trichlorobiphenyl		0.01 to 100 µg/Nm^3

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
VI.	**BUILDING MATERIALS**			
1.	**Clays & Soils**	pH	Test method No.;S-01 Issue No.:1.0; Issue Dt: 06.01.2014	2 to 11 Units
		Electrical Conductivity	Test method No.;S-02 Issue No.:1.0; Issue Dt: 06.01.2014	10 to 10,000 Micro Siemens/cm
		Available / Exchangeable Sodium	Test method No.;S-03 Issue No.:1.0; Issue Dt: 10.01.2014	1 to1000 mg/kg
		Available / Exchangeable Potassium	Test method No.;S-04 Issue No.:1.0; Issue Dt: 10.01.2014	1 to1000 mg/kg
		Available / Exchangeable Calcium	Test method No.;S-05 Issue No.:1.0; Issue Dt: 10.01.2014	40 to 10000 mg/kg
		Available / Exchangeable Magnesium	Test method No.;S-06 Issue No.:1.0; Issue Dt: 12.01.2014	25 to 5000 mg/kg
		Available / Exchangeable Phosphates	Test method No.;S-07 Issue No.:1.0; Issue Dt: 12.01.2014	2 to 1000 mg/kg
		Ammonical Nitrogen	Test method No.;S-08 Issue No.:1.0; Issue Dt: 20.01.2014	1 to 100 mg/kg
		Inorganic Nitrogen as NO_3 - N	Test method No.;S-09 Issue No.:1.0; Issue Dt: 20.01.2014	1 to100 mg/kg
		Organic Carbon	Test method No.;S-10 Issue No.:1.0; Issue Dt: 20.01.2014	0.02 to 2.0%
		Organic Matter	Test method No.;S-11 Issue No.:1.0; Issue Dt: 20.01.2014	0.05 to 5%
		Available Nitrogen / Mineralised Nitrogen	Test method No.;S-12 Issue No.:1.0; Issue Dt: 26.01.2014	2 to 500 mg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Clays & Soils	Total Nitrogen	Test method No.;S-13 Issue No.:1.0; Issue Dt: 26.01.2014	10 to 1000 mg/kg
		Micro Nutrients DTPA Extractables :	Test method No.;S-14 Issue No.:1.0; Issue Dt: 20.01.2014	
		Zinc		0.02 to 20 mg/kg
		Copper		0.02 to 20 mg/kg
		Iron		0.02 to 200 mg/kg
		Manganese		0.02 to 100 mg/kg
		Ammonium acetate Extractable Mo	Test method No.;S-15 Issue No.:1.0; Issue Dt: 06.02.2014	0.01 to 20 mg/kg
		Hot Water Extractable B	Test method No.;S-16 Issue No.:1.0; Issue Dt: 22.02.2014	0.01 to 20 mg/kg
		Total Lead		0.1 to 100 mg/kg
		Total Zinc		0.1 to 1000 mg/kg
		Total Iron		0.1 to 20000 mg/kg
		Total Manganese		0.1 to 1000 mg/kg
		Total Cadmium		0.1 to 100 mg/kg
		Total Molybdenum	Test method No.;S-16 Issue No.:1.0; Issue Dt: 22.02.2014	0.1 to 100 mg/kg
		Total Boron		0.1 to 100 mg/kg
		Water Soluble Chloride	Test method No.;S-17 Issue No.:1.0; Issue Dt: 20.02.2014	10 to 1000 mg/kg
		Water Soluble Sulphates	Test method No.;S-18 Issue No.:1.0; Issue Dt: 28.02.2014	10 to 1000 mg/kg

-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-