

# Accreditation Scope

**SGS Gulf Limited-Food, Environmental & Chemical Testing Lab, NAL 006**  
**Testing Laboratory (ISO/IEC 17025:2005)**

**Jebel Ali Free Zone, Dubai, UAE**

**Issue Date: 29-10-2019**

**Expiry Date: 13-02-2021**

**Issue No.: 11**

Testing Field	Materials/ Products tested	Type of test/ Test parameter/ Properties measured/Range of measurement	Test Method (Standard, Internal Procedure, Technique)	Permanent lab (P)/ Client-site (S)
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Chemical	Food	Moisture (Oven Method) ≥0.1%	FL-SOP-TECH-044 Based on AOAC 18TH EDN:2007:925.10,950.46 ,927.05	P
		Moisture (Toluene Method) ≥1.0 %	FL-SOP-TECH-045 Based on AOAC 18th Edition 2007 941.11; 986.21	
		Moisture (Karl Fischer) ≥0.01%	FL-SOP-TECH-046 Based on AOAC 18TH EDN: 2007 991.02	
		Total Ash ≥0.01%	FL-SOP-TECH-047 Based on AOAC 18TH EDN: 2007 :942.05,930.22,900.02,92 0.108, IS 3633	
		Water soluble Ash ≥0.1%	FL-SOP-TECH-048 Based on ISO 1576:1998, IS 13855 – 1993	
		Acid Insoluble Ash ≥0.01%	FL-SOP-TECH-049 Based on ISO 930-1997, AOAC 18TH EDN 2007- 41.12,900.021	
		Protein ≥0.1%	FL-SOP-TECH-042 Based on AOAC 18TH EDN:2007: 928.08, 954.01, 991.23	
		Fat – Soxhlet Extraction ≥0.5%	Based on AOAC 18TH EDN: FL-SOP-TECH-043 2007:960.39,2003.06	

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Chemical	Food	Fat – Mojonia ≥0.1%	FL-SOP-TECH-053 Based on AOAC 18TH EDN:2007:989.05	P
		Carbohydrates	FL-SOP-TECH-050 Based on AOAC 18TH EDN 2007-986.25	
		Energy	FL-SOP-TECH-050 (Calculation, Pearson's composition and analysis of food)	
		Crude Fibre ≥0.2 %	FL-SOP-TECH-051 based on AOAC 18TH Edition 2007 950.37, 978.10, 920.169, 920.102.	
		Acidity >0.05%	FL-SOP-TECH-052 Based on AOAC 18TH Edition 2007 947.05, Pearsons Composition and analysis of foods 577,601,294,263.	
		Sodium ≥1.0 ppm	FL-SOP-TECH-054 Based on AOAC 18TH EDN: 2007:986.15,999.10	
		Potassium ≥1.0 ppm	FL-SOP-TECH-054 Based on AOAC 18TH EDN:2007:986.15,999.10	
		Iron ≥1.0 ppm	FL-SOP-TECH-058 Based on AOAC 18TH EDN:2007:986.15,999.10	

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Chemical	Food	Copper ≥0.5 ppm	FL-SOP-TECH-058 Based on AOAC 18TH EDN:2007:986.15,999.10	P
		Zinc ≥0.5 ppm	FL-SOP-TECH-058 Based on AOAC 18TH EDN:2007:986.15,999.10	
		Calcium ≥ 1.0ppm	FL-SOP-TECH-059 based on AOAC 18TH EDN:2007:991.25	
		Magnesium ≥ 1.0ppm	FL-SOP-TECH-059 based on AOAC 18TH EDN:2007:991.25	
		Lead ≥0.1 ppm	FL-SOP-TECH-058 Based on AOAC 18TH EDN:2007:986.15,999.10	
		Cadmium ≥0.05 ppm	FL-SOP-TECH-058 Based on AOAC 18TH EDN:2007:986.15,999.10	
		Mercury ≥0.1 ppm	FL-SOP-TECH-055 Based on AOAC 18TH EDN:2007:971.21 AAS GF technique	
		Arsenic ≥0.05 ppm	FL-SOP-TECH-056 Based on AOAC 18TH EDN:2007:986.15 AAS GF technique	
		Benzoic Acid ≥ 40ppm	FL-SOP-TECH-102 Based on Journal of Chromatography A, 1073 (2005) 393–397 UPLC technique	

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Chemical	Food	Sorbic Acid $\geq 0.5\%$	FL-SOP-TECH-102 Based on Journal of Chromatography A, 1073 (2005) 393–397 UPLC technique	P
		Citric Acid >250 ppm	FL-SOP-TECH-107 Based on Concordia Journal of Analytical Chemistry 3(2012) ,57-62	
		Free Fatty Acid $\geq 0.05\%$	FL-SOP-TECH-101 Based on AOAC 18TH Edition 2007 940.28_CH- 41 -12 & 13.	
		Acid Value	FL-SOP-TECH-101 Based on AOAC 18TH Edition 2007 940.28_CH- 41 -12 & 13.	
	Beverages	Benzoic Acid $\geq 8\text{ppm}$	FL-SOP-TECH-102 Based on Journal of Chromatography A, 1073 (2005) 393–397 UPLC technique	
		Citric Acid >50 ppm	FL-SOP-TECH-107 Based on Concordia Journal of Analytical Chemistry 3(2012) ,57-62	
		Sorbic Acid $\geq 4\text{ppm}$	FL-SOP-TECH-102 Based on Journal of Chromatography A, 1073 (2005) 393–397 UPLC technique	

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Chemical	Cosmetics : Liquid only	1,4-Dioxane ≥0.5ppm	FL SOP-TECH-037 Based on USEPA 8260 C	P
		pH 0 -14	FL-SOP-TECH-065 based on GSO 395/2011	
		Non Volatile Alcohol Soluble Matter ≥0.5%	FL-SOP-TECH-068 based on GS 395/2011	
	Cosmetics : Cream only	TFM ≥ 0.1%	FL-SOP-TECH-066 based on GSO 1153/2010	
		% Water ≥1.0 %	FL-SOP-TECH-067 based on GS 1153/2010	
	Cosmetics: Soap only	Volatile Matter ≥0.1%	FL-SOP-TECH-074 based on GS 200/1995	
	Cosmetics	Formaldehyde ≥25ppm	FL-SOP-TECH-110 by using UPLC-PDA	
	Henna, Hairdyes & Cosmetics	Para-phenylenediamine ≥75ppm	FL-SOP-TECH-094 Based on Journal of Environ Res Public Health 2010 Apr;7(4):1681-1693	
	Perfumes	Ethanol ≥0.01%	FL-SOP-TECH-069	
		Methanol ≥0.01%	FL-SOP-TECH-079	
Propanol ≥0.01%		FL-SOP-TECH-079		

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Chemical	Food and Beverages	Ethanol content ≥0.01%	FL-SOP-TECH-085 Based on AOAC 18TH EDN 2007 983.13(Ethanol in wine) AOAC 973.23(Ethanol in Flavour)	P
		Caffeine ≥3ppm	FL-SOP-TECH-096 Based on Liquid Chromatography Journal of Nutrition 11(4):336- 342,2012	
		Total Dietary fiber ≥0.5 %	FL-SOP-TECH-105 Based on AOAC 985.29	
	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	3-Hydroxycarbofuran ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Acephate ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Aldicarb sulfone ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Aldicarb sulfoxide ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Aminocarb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Butocarboxim ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Butoxycarboxim ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Carbendazim ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Cymoxanil ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Dicrotophos ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Dimethoate ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Dioxacarb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	P
		Formetanate HCL ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Fuberidazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Methamidophos ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Methomyl ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Mevinphos ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Monocrotophos ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	



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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Omethoate ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Oxamyl ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Propamocarb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Thiabendazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Tricyclazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Vamidothion ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Aldicarb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Bendiocarb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Carbaryl ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Carbetamide ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Carbofuran ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Carboxin ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Clethodim ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Desmedipham ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Diethofencarb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Ethiofencarb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Furalaxyl ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Iprovalicarb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Isoproc carb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Metalaxyl ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Methiocarb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Mexacarbate ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Oxadixyl ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Pirimicarb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Promecarb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Propham ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Propoxur ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Pyracarbolid ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Thiofanox ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Thiophanate-methyl ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Alanycarb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Amitraz ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Benalaxyl ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	P
		Benfuracarb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Benzoximate ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Bifenazate ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Cyazofamid ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Fenamidone ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Fenazaquin ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Fenhexamid ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Fenoxycarb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Flufenacet ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Furathiocarb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Indoxacarb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Mefenacet ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Mepronil ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Piperonyl butoxide ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Quinoxifen ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Spiroxamine ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	P
		Thiobencarb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Zoxamide ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Acetamiprid ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Acibenzolar-S-methyl ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Bromuconazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Clothianidin ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Cyproconazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Epoxiconazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Etaconazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Fenarimol ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Flutriafol ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Imazalil ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Imidacloprid ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Metribuzin ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Myclobutanil ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	



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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Nitenpyram ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Nuarimol ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Paclobutrazol ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Pyrimethanil ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Thiacloprid ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Thiamethoxam ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Triadimenol ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Triticonazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Abamectin ≥0.005 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Bitertanol ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Bupirimate ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Butafenacil ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Clofentezine ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Cyprodinil ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Diclobutrazol ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Difenoconazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	

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Expiry Date: 13-02-2021

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Testing Field	Materials/ Products tested	Type of test/ Test parameter/ Properties measured/Range of measurement	Test Method (Standard, Internal Procedure, Technique)	Permanent lab (P)/ Client-site (S)
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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Diniconazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	P
		Ethofumesate ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Fenbuconazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Flusilazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Flutolanil ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Hexaconazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Mepanipyrim ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Metconazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Methoxyfenozide $\geq 0.01$ ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Penconazole $\geq 0.01$ ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Prochloraz $\geq 0.01$ ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Propiconazole $\geq 0.01$ ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Rotenone $\geq 0.01$ ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Tebufofenozide $\geq 0.01$ ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Triflumizole $\geq 0.01$ ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Carfentrazone-ethyl $\geq 0.01$ ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Doramectin ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	P
		Emamectin-benzoate ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Eprinomectin ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Fluquinconazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Hexythiazox ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Hydramethylnon ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Ipconazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Ivermectin ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Mesotrione ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	P
		Moxidectin ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Propargite ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Spinosad ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Spirodiclofen ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Spiromesifen ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Tebuconazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Tetraconazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Chlortoluron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Cycluron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Diuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Fenuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	P
		Fluometuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Forchlorfenuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Isoproturon ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Methabenzthiazuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Methoprotryne ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Metobromuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Monolinuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Prometon ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Pymetrozine ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Secbumeton ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Simetryn ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	P
		Sulfentrazone ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Tebuthiuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Terbumeton ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Thidiazuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Triadimefon ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Ametryn ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Azoxystrobin ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Boscalid ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Chloroxuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Diflubenzuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	



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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Dimethomorph ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	P
		Dimoxystrobin ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Famoxadon ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Fipronil ≥0.005 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Fludioxonil ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Hexaflumuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Kresoxim-methyl ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Linuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Neburon ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Phenmedipham ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Picoxystrobin ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Prometryne ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Siduron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Terbutryne ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Triflumuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Buprofezin ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Chlorfluazuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Ethiprole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Etoazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Fenpropimorph ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Fenpyroximate ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	
		Fluazinam ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Flufenoxuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	P
		Fluoxastrobin ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Lufenuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Novaluron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Prothioconazole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Pyraclostrobin ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Pyridaben ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Pyriproxyfen ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Tebufenpyrad ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Teflubenzuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Trifloxystrobin ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Chlorantraniliprole ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	P
		Cyromazine ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Dinotefuran ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Ethirimol ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Fenobucarb ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Flonicamid ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Flubendiamide ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Halofenozide ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Isocarbophos ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Mandipropamid ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Metaflumizone ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Pencycuron ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	P
		Spinetoram ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Spirotetramat ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Temephos ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Trichlorfon ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Alfa – BHC ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Beta – BHC ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Gamma – BHC ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Delta – BHC ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Heptachlor ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Aldrin ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Heptachlor epoxide ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	P
		cis-Chlordane ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Alfa – Endosulfan ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		trans-Chlordane ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		4,4'-DDE ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Dieldrin ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Endrin ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Beta – Endosulfan ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		4,4'-DDD ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Endrin aldehyde ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Endosulfan Sulfate ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	4,4'-DDT ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	P
		Endrin ketone ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Methoxychlor ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Methyl parathion ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Diquat ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Chlorfenvinphos ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Bromophos-ethyl ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Diazinon ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Fentin hydroxide ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Methidathion ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Malathion ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Pentachloronitrobenzene ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	P
		Folpet ≥0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Crufomate >0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Dioxathion >0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Ethoxyquin >0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Diphenylamine >0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		o-Hydroxybiphenyl (o-phenylphenol) >0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Pyrethrin-I >0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Pyrethrin-II >0.01 ppm	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	



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Environmental	Water/ Waste Water	pH @ 25 °C 1 to 14	APHA 4500 H+B, 23rd Edn. 2017	P
		Conductivity 1µS-200mS	APHA 2510 B, 23rd Edn. 2017	
		Total Suspended Solids 5mg/L-20,000mg/L	APHA 2540 D, 23rd Edn. 2017	
		Total Dissolved Solids (TDS) 5mg/L-200,000mg/L	APHA 2540 C, 23rd Edn. 2017	
		Oil & Grease 20mg/L-200mg/L	APHA 5520 B, 23rd Edn. 2017	
		Calcium hardness 1mg/L-50,000mg/L	APHA 3500 Ca B, 23rd Edn. 2017	
		Magnesium hardness 1mg/L-50,000mg/L	APHA 3500 Mg B, 23rd Edn. 2017	
		Free Chlorine 0.03mg/L- 3 mg/L	Hach Method 8021; Edition 3,2018	
	Water	Bromate 6µg/L-100µg/ L	APHA 4110 D, 23rd Edn. 2017	
		Bromide 0.15 mg/L -6mg/L	APHA 4110 B, 23rd Edn. 2017	
		Chlorate 6µg/L-100µg/L	APHA 4110 D, 23rd Edn. 2017	
		Fluoride 0.04 mg/L-4mg/L	APHA 4110 B, 23rd Edn. 2017	
		Chloride 0.2 mg/L-20 mg/L	APHA 4110 B, 23rd Edn. 2017	

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**Testing Laboratory (ISO/IEC 17025:2005)**

**Jebel Ali Free Zone, Dubai, UAE**

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Environmental	Water	Sulfate 0.2 mg/L-20 mg/L	APHA 4110 B, 23 <sup>rd</sup> Edn. 2017	P
		Phosphate 0.04 mg/L-4mg/L	APHA 4110 B, 23 <sup>rd</sup> Edn. 2017	
		Nitrate 0.04 mg/L-4mg/L	APHA 4110 B, 23 <sup>rd</sup> Edn. 2017	
		Nitrite 0.04 mg/L-4mg/L	APHA 4110 B, 23 <sup>rd</sup> Edn. 2017	
		Nitrogen (Kjeldal) 0.5mg/L-50mg/L	APHA 4500-NH3, APHA 23 <sup>rd</sup> Edn. 2017 (Kjeldal unit)	
		BOD 5mg/L-50mg/L	APHA 5210 B, 23 <sup>rd</sup> Edn. 2017	
		COD 5mg/L-800mg/L	APHA 5220 B, 23 <sup>rd</sup> Edn. 2017	
		Antimony 0.02mg/L-1mg/L	US EPA 200.7, 1994	
		Arsenic 0.02mg/L-1mg/L	US EPA 200.7, 1994	
		Aluminium 0.02mg/L-1mg/L	US EPA 200.7, 1994	
		Beryllium 0.005mg/L-1mg/L	US EPA 200.7, 1994	
		Boron 0.05mg/L- 1mg/L	US EPA 200.7, 1994	
		Cadmium 0.005mg/L-1mg/L	US EPA 200.7, 1994	

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Environmental	Water	Cerium 0.05mg/L- 1mg/L	US EPA 200.7, 1994	P
		Chromium 0.005mg/L-1mg/L	US EPA 200.7, 1994	
		Cobalt 0.005mg/L-1mg/L	US EPA 200.7, 1994	
		Copper 0.01mg/L-1mg/L	US EPA 200.7, 1994	
		Iron 0.01mg/L-1mg/L	US EPA 200.7, 1994	
		Lead 0.02mg/L-1mg/L	US EPA 200.7, 1994	
		Magnesium 0.02mg/L-1mg/L	US EPA 200.7, 1994	
		Manganese 0.005mg/L-1mg/L	US EPA 200.7, 1994	
		Mercury 0.005mg/L-1mg/L	US EPA 200.7, 1994	
		Molybdenum 0.01mg/L-1mg/L	US EPA 200.7, 1994	
		Nickel 0.01mg/L-1mg/L	US EPA 200.7, 1994	
		Potassium 0.02mg/L-1mg/L	US EPA 200.7, 1994	
		Selenium 0.05mg/L-1mg/L	US EPA 200.7, 1994	
		Silica 0.05mg/L-1mg/L	US EPA 200.7, 1994	
		Silver 0.005mg/L-0.5mg/L	US EPA 200.7, 1994	

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Environmental	Water	Zinc 0.01mg/L-1mg/L	US EPA 200.7,1994	P
		Sodium 0.05mg/L-1mg/L	US EPA 200.7,1994	
		Strontium 0.005mg/L-0.5mg/L	US EPA 200.7,1994	
		Thallium 0.05mg/L-1mg/L	US EPA 200.7,1994	
		Tin 0.02mg/L-1mg/L	US EPA 200.7,1994	
		Titanium 0.005mg/L-0.5mg/L	US EPA 200.7,1994	
		Vanadium 0.005mg/L-0.5mg/L	US EPA 200.7,1994	
		Dichlorodifluoromethane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Chloromethane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Vinyl Chloride 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Bromomethane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Chloroethane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Trichlorofluoromethane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 1-Dichloroethane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	

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Environmental	Water	Methylene Chloride (Dichloromethane) 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	P
		Trans -1, 2-Dichloroethene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Cis-1, 2-Dichloroethene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 1-Dichloroethane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Chloroform 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		2, 2-Dichloropropane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 1, 1-Trichloroethane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Carbon Tetrachloride 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 1-Dichloropropene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Benzene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 2-Dichloroethane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Trichloroethene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 2-Dichloropropane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	

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Environmental	Water	Dibromomethane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	P
		Bromodichloromethane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Cis-1, 3-dichloropropene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Toluene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Trans, 1, 3 Dichloropropene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 1, 2-Trichloroethane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Tetra chloroethene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 3-Dichloropropane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 2-Dibromoethane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Chlorobenzene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Ethylbenzene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 1, 1, 2-Tetrachloroethane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		m&p-Xylene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	

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Environmental	Water	o-Xylene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	P
		Styrene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Bromoform 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Isopropyl benzene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Bromobenzene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		N-Propylbenzene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 1, 2, 2Tetrachloroethane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 2, 3-Trichloropropane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		2-Chlorotoluene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		4-Chlorotoluene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 3, 5-Trimethylbenzene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 2, 4-Trimethylbenzene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	

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Environmental	Water	Sec-Butyl benzene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	P
		p-Isopropyl toluene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 3-Dichlorobenzene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 4-Dichlorobenzene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		n-Butylbenzene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 2-Dichlorobenzene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 2-Dibromo, 3-chloropropane 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Hexa chlorobutadiene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 2, 4-Trichlorobenzene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Naphthalene 5µg/L-100µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		1, 2, 3-Trichlorobenzene 10µg/L-250 µg/L	US EPA 8260:2006 & US EPA 5021:2014	
		Phenanthrene 10µg/L-250 µg/L	US EPA 8270:2007 & US EPA 3510C:1996	



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Environmental	Water	Anthracene 10µg/L-250 µg/L	US EPA 8270:2007 & US EPA 3510C:1996	P
		Fluoranthene 10µg/L-250 µg/L	US EPA 8270:2007 & US EPA 3510C:1996	
		Pyrene 10µg/L-250 µg/L	US EPA 8270:2007 & US EPA 3510C:1996	
		Benzo(a)anthracene 10µg/L-250 µg/L	US EPA 8270:2007 & US EPA 3510C:1996	
		Chrysene 10µg/L-250 µg/L	US EPA 8270:2007 & US EPA 3510C:1996	
		Dibenz(a, j)acridine 10µg/L-250 µg/L	US EPA 8270:2007 & US EPA 3510C:1996	
		Benzo(b)fluoranthene 10µg/L-250 µg/L	US EPA 8270:2007 & US EPA 3510C:1996	
		Benzo(k)fluoranthene 10µg/L-250 µg/L	US EPA 8270:2007 & US EPA 3510C:1996	
		7, 12-Dimethylbenz(a)anthracene 10µg/L-250 µg/L	US EPA 8270:2007 & US EPA 3510C:1996	
		Benzo(a)pyrene 10µg/L-250 µg/L	US EPA 8270:2007 & US EPA 3510C:1996	
		3-Methylcholanthrene 10µg/L-250 µg/L	US EPA 8270:2007 & US EPA 3510C:1996	
		Indeno(1, 2, 3-c, d)pyrene 10µg/L-250 µg/L	US EPA 8270:2007 & US EPA 3510C:1996	

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Environmental	Water	Dibenz(a, h)anthracene 10µg/L-250 µg/L	US EPA 8270:2007 & US EPA 3510C:1996	P
		Benzo(g, h, i)perylene 10µg/L-250 µg/L	US EPA 8270:2007 & US EPA 3510C:1996	
		Turbidity 1NTU - 1000NTU	APHA 2130, 23 <sup>rd</sup> Edn. 2017	
		Alkalinity 1mg/L-50,000mg/L	APHA 2320B, 23 <sup>rd</sup> Edn. 2017	
		Sodium 1mg/L-200mg/L	APHA 3500 Na, B, 23 <sup>rd</sup> Edn. 2017	
		Potassium 1mg/L-200mg/L	APHA 3500 K, B, 23 <sup>rd</sup> Edn. 2017	
	Waste Water	Antimony ≥0.02mg/L	US EPA 200.7,1994	
		Arsenic ≥0.02mg/L	US EPA 200.7,1994	
		Aluminium ≥0.05mg/L	US EPA 200.7,1994	
		Beryllium ≥0.01mg/L	US EPA 200.7,1994	
		Boron ≥0.05mg/L	US EPA 200.7,1994	
		Cadmium ≥0.01mg/L	US EPA 200.7,1994	
		Chromium ≥0.01mg/L	US EPA 200.7,1994	

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Environmental	Waste Water	Cobalt ≥0.01mg/L	US EPA 200.7, 1994	P
		Copper ≥0.01mg/L	US EPA 200.7, 1994	
		Iron ≥0.02mg/L	US EPA 200.7, 1994	
		Lead ≥0.02mg/L	US EPA 200.7, 1994	
		Manganese ≥0.01mg/L	US EPA 200.7, 1994	
		Mercury ≥0.01mg/L	US EPA 200.7, 1994	
		Molybdenum ≥0.01mg/L	US EPA 200.7, 1994	
		Nickel ≥0.01mg/L	US EPA 200.7, 1994	
		Selenium ≥0.05mg/L	US EPA 200.7, 1994	
		Silver ≥0.01mg/L	US EPA 200.7, 1994	
		Zinc ≥0.01mg/L	US EPA 200.7, 1994	
		Strontium ≥0.01mg/L	US EPA 200.7, 1994	
		Tin ≥0.02mg/L	US EPA 200.7, 1994	
		Titanium ≥0.01mg/L	US EPA 200.7, 1994	
Vanadium ≥0.01mg/L	US EPA 200.7, 1994			

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Environmental	Soil	Arsenic 2mg/kg- 100mg/Kg	US EPA 200.7, 1994	P
		Aluminium 4mg/kg-100mg/kg	US EPA 200.7, 1994	
		Beryllium 2mg/kg- 100mg/Kg	US EPA 200.7, 1994	
		Boron 10mg/kg-100mg/kg	US EPA 200.7, 1994	
		Cadmium 2mg/kg- 100mg/Kg	US EPA 200.7, 1994	
		Chromium 2mg/kg- 100mg/Kg	US EPA 200.7, 1994	
		Cobalt 2mg/kg- 100mg/Kg	US EPA 200.7, 1994	
		Copper 2mg/kg- 100mg/Kg	US EPA 200.7, 1994	
		Iron 4mg/kg- 100mg/Kg	US EPA 200.7, 1994	
		Lead 2mg/kg- 100mg/Kg	US EPA 200.7, 1994	
		Manganese 2mg/kg- 100mg/Kg	US EPA 200.7, 1994	
		Molybdenum 2mg/kg- 100mg/Kg	US EPA 200.7, 1994	
		Nickel 2mg/kg- 100mg/Kg	US EPA 200.7, 1994	

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Environmental	Soil	Silver 2mg/kg- 100mg/Kg	US EPA 200.7, 1994	P
		Zinc 4mg/kg-100mg/kg	US EPA 200.7, 1994	
		Strontium 2mg/kg- 100mg/Kg	US EPA 200.7, 1994	
		Thallium 2mg/kg- 100mg/Kg	US EPA 200.7, 1994	
		Tin 2mg/kg- 100mg/Kg	US EPA 200.7, 1994	
		Vanadium 2mg/kg- 100mg/Kg	US EPA 200.7, 1994	
		Fluoride 0.2mg/kg-20mg/kg	FL-SOP-TECH-307 based on APHA 4110 B, 23 <sup>rd</sup> Edn. 2017	
		Chloride 1mg/kg-100mg/kg	FL-SOP-TECH-307 based on APHA 4110 B, 23 <sup>rd</sup> Edn. 2017	
		Nitrate 0.2mg/kg-20mg/kg	FL-SOP-TECH-307 based on APHA 4110 B, 23 <sup>rd</sup> Edn. 2017	
		Nitrite 0.2mg/kg-20mg/kg	FL-SOP-TECH-307 based on APHA 4110 B, 23 <sup>rd</sup> Edn. 2017	

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Environmental	Soil	Bromide 0.75mg/kg-30mg/kg	FL-SOP-TECH-307 based on APHA 4110 B, 23 <sup>rd</sup> Edn. 2017	P
		Phosphate 0.2mg/kg-20mg/kg	FL-SOP-TECH-307 based on APHA 4110 B, 23 <sup>rd</sup> Edn. 2017	
		Sulfate 1mg/kg-100mg/kg	FL-SOP-TECH-307 based on APHA 4110 B, 23 <sup>rd</sup> Edn. 2017	
Chemical	Food	Histamine Qualitative (Positive & Negative)	FL-SOP-TECH-141 using Elisa Kit	P
		Reducing Sugars (0.2-10) %	FL-SOP-TECH-132 using UPLC-RID	
		Sucrose Content (0.2-10) %		
		Fructose: Glucose (0.2-10) %		
	Food and Beverages	Total Sugars (0.2-10) %		
		Brix (0.1-50) %	FL-SOP-TECH-133, Refractometer method based on AOAC 20th Edn: 2016: 932.12	
	pH (0.1-14) %	FL-SOP-TECH-133 using pH meter		

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Chemical	Food and Beverages	Vitamin B1 (Thiamine) (0.1-10) mg/10g	FL-SOP-TECH-121 using UPLC-PDA	P
		Vitamin B6 (0.1-10) mg/10g		
		Vitamin B3 (Niacin) (0.1-10) mg/10g		
		Vitamin B2 (Riboflavin) (0.1-10) mg/10g		
		Vitamin C (ascorbic acid) (0.1-10) mg/10g		
	Food and food products	Alcohol (0.01-100) mg/kg	FL-SOP-TECH-085 Based on AOAC 18th Edn. 2007:983.13, AOAC 973.23	
	Food and food products	Toxic substances (Pb, Cd, As, Sb,) (0.1-100) mg/kg Hg (0.5-50) µg/kg	FL-SOP-TECH-119 using ICP-MS	
	Food Contact Materials	Over all & Specific Migration	Regulation EU #: 2011/10/EC and BS EN 1186 – 1:2002	
	Food and Cosmetics	Lead (0.1-100) mg/kg	FL-SOP-TECH-119 using ICP-MS	
		Arsenic (0.1-100) mg/kg		
Mercury (0.5-50) µg/kg		FL-SOP-TECH-119 using ICP-MS		
Cadmium (0.1-100) mg/kg				
Antimony (0.1-100) mg/kg				

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Chemical	Cosmetics	Chloride content (0.1-50) %	IS 286:1978	P
		Ethanol insoluble Matter (0.05-10) %	FL-SOP-TECH-135	
		Total Free Alkali (0.05-10) %	SASO 301,GSO 202:1995 GSO 1098:2002 GSO 1116:2002	
		Free Caustic Alkali (0.05-10) %	SASO 300,GS 201:1994 GSO1089:2002	
		Peroxide Value (1-100) M eq.	SASO 30,GSO 16:1984 GSO 1155:2002 FL-SOP-TECH-131	
		Water Insoluble matter (0.05-100) %	GSO 1098:2002 GSO 2018:2010	
		Unsaponifiable matter (0.01-10) %	SASO 303:1994 GSO 2018:2010	
	Cosmetics	Lathering Volume (0.5-100) ml	GSO 886:1997 GSO 1116:2002	
		Determination of Loss on Ignition (0.05-100) %	GSO 1202:2002	
		Surfactant Content (0.05-100) %	FL-SOP-TECH-129, Based on GS 395:2000	
		Water soluble matter (0.1-100) %	GSO 1202:2002	
		Acid value (0.05-50) %	SASO 30, GS 16:1984	



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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Acid Number (0.05-50)	GSO 1098:2002 GSO 2018:2010	P
		Anionic surfactant content/ Anionic Active Matter	ISO 2271:1989	
		2,3,5,6-Tetrachloronitrobenzene (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		2,4 -Dichloro-phenoxyacetic acid (0.01-100) mg/kg		
		2,4,5-Trichloro-phenoxy acetic acid (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		2-Methyl-4,6-dinitrophenol (0.01-100) mg/kg		
		Acenaphthene (0.01-100) mg/kg		
		Acrinathrin (0.01-100) mg/kg		
		Acrolein (0.01-100) mg/kg		
		Acrylonitrile (0.01-100) mg/kg		
		Alachlor (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	
		Alar cyanamide (0.01-100) mg/kg		

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Amitrole (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Aramite (0.01-100) mg/kg		
		Atrazine (0.01-100) mg/kg		
		Azaconazole (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Azinphos-ethyl (0.01-100) mg/kg		
		Azinphos-methyl (0.01-100) mg/kg		
		Beflubutamid (0.01-100) mg/kg		
		Bensulide (0.01-100) mg/kg		
		Bensultap (0.01-100) mg/kg		
		Bifenthrin (0.01-100) mg/kg		
		Bioallethrin S- cyclopentenyl isomers (S-Bioallethrin) (0.01-100) mg/kg		
		Bioresmethrin (0.01-100) mg/kg		
		Bomyl (0.01-100) mg/kg		
		Botran (0.01-100) mg/kg		
		Brodifacoum (0.01-100) mg/kg		

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Bromacil (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Brominal (0.01-100) mg/kg		
		Bromopropylate (0.01-100) mg/kg		
		Bromuconazole (0.01-100) mg/kg		
		Butralin (0.01-100) mg/kg		
		Buturon (0.01-100) mg/kg		
		Butylate (0.01-100) mg/kg		
		Cadusafos (0.01-100) mg/kg		
		Camphechlor (Toxaphene) (0.01-100) mg/kg		
		Captafol (0.01-100) mg/kg		
		Captan (0.01-100) mg/kg		
		Carbophenothion (0.01-100) mg/kg		
		Carbosulfan (0.01-100) mg/kg		
		Cartap hydrochloride (0.01-100) mg/kg		
		Chinomethionate [oxythioquinox] (0.01-100) mg/kg		

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Chloranil (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Chlordimeform (0.01-100) mg/kg		
		Chlorethoxyphos (0.01-100) mg/kg		
		Chlorfenapyr (0.01-100) mg/kg		
		Chlormephos (0.01-100) mg/kg		
		Chlorobenzilate (0.01-100) mg/kg		
		Chlorophacinone (0.01-100) mg/kg		
		Chloropicrin (0.01-100) mg/kg		
		Chloropropylate (0.01-100) mg/kg		
		Chlorothalonil (0.01-100) mg/kg		
		Chlorpropham (0.01-100) mg/kg		
		Chlorpyrifos-methyl (0.01-100) mg/kg		
		Chlorthiophos (0.01-100) mg/kg		
		Chlozolinate (0.01-100) mg/kg		
		Clomazone (0.01-100) mg/kg		
Coumaphos (0.01-100) mg/kg				

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Coumatetralyl (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Crimidine (0.01-100) mg/kg		
		Cyanamide (0.01-100) mg/kg		
		Cyanazine (0.01-100) mg/kg		
		Cycloheximide (0.01-100) mg/kg		
		Cycloxydim (0.01-100) mg/kg		
		Cyfluthrin I (0.01-100) mg/kg		
		Cyhalothrin (0.01-100) mg/kg		
		Cyhexatin (0.01-100) mg/kg		
		Cypermethrin (0.01-100) mg/kg		
		Dacthal (0.01-100) mg/kg		
		Danitol (0.01-100) mg/kg		
		DBCP(1,2-dibromo-3- chloropropane) (0.01-100) mg/kg		
		DDT-o,p' (0.01-100) mg/kg		
		Deltamethrin (0.01-100) mg/kg		
Demeton (0.01-100) mg/kg				

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Demeton-S-methyl (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		DemetonSmethylsulfon e (0.01-100) mg/kg		
		Di-allate(Diallate) (0.01-100) mg/kg		
		Dichlobenil (0.01-100) mg/kg		
		Dichlofluanid (0.01-100) mg/kg		
		Dichloroprop (0.01-100) mg/kg		
		Dichloroprop (0.01-100) mg/kg		
		Dichlorvos (0.01-100) mg/kg		
		Diclofop (0.01-100) mg/kg		
		Diclofop- methyl (0.01-100) mg/kg		
		Difenacoum (0.01-100) mg/kg		
		Diflufenician (0.01-100) mg/kg		
		Dimefox (0.01-100) mg/kg		
Dimethenamid (0.01-100) mg/kg				

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Dinitramine (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	P
		Dinobuton (0.01-100) mg/kg		
		Dinoseb acetate (0.01-100) mg/kg		
		Dinoterb (0.01-100) mg/kg		
		Diphacinone (0.01-100) mg/kg		
		Disulfoton (0.01-100) mg/kg		
		Ditalimfos (0.01-100) mg/kg		
		DMST (Tolylfluaniid metabolite) (0.01-100) mg/kg		
		Dodemorph (0.01-100) mg/kg		
		Dursban (0.01-100) mg/kg		
		Dyfonate (0.01-100) mg/kg		
		EPN (0.01-100) mg/kg		
		EPTC (0.01-100) mg/kg		

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Esfenvalerate (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Ethephon (0.01-100) mg/kg		
		Ethion (0.01-100) mg/kg		
		Ethoprop (0.01-100) mg/kg		
		Etofenprox (0.01-100) mg/kg		
		Etrimfos (0.01-100) mg/kg		
		Fenamiphos sulfone (0.01-100) mg/kg		
		Fenbutatin oxide (0.01-100) mg/kg		
		Fenitrothion (0.01-100) mg/kg		
		Fenothiocarb (0.01-100) mg/kg		
		Fenpiclonil (0.01-100) mg/kg		
		Fensulfothion (0.01-100) mg/kg		
		Fenthion (0.01-100) mg/kg		
		Fenthion sulfoxide (0.01-100) mg/kg		



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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Fenvalerate I (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Ferbam (0.01-100) mg/kg		
		Flamprop-methyl (0.01-100) mg/kg		
		Flocoumafen (0.01-100) mg/kg		
		Fluazifop-p-butyl (0.01-100) mg/kg		
		Flucythrinate (0.01-100) mg/kg		
		Fluoroacetamide (0.01-100) mg/kg		
		Flurenol (0.01-100) mg/kg		
		Flurprimidol (0.01-100) mg/kg		
		Fluvailinate (0.01-100) mg/kg		
		Foramsulfuron (0.01-100) mg/kg		
		Formothion (0.01-100) mg/kg		
		Fosetyl-aluminium (0.01-100) mg/kg		
		Fosthiazate (0.01-100) mg/kg		
		Fosthietan (0.01-100) mg/kg		

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Halfenprox (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Heptenophos (0.01-100) mg/kg		
		Hexazinone (0.01-100) mg/kg		
		Hymexazol (0.01-100) mg/kg		
		Imicyafos (0.01-100) mg/kg		
		Imidan (0.01-100) mg/kg		
		Iprobenfos (0.01-100) mg/kg		
		Iprodione (0.01-100) mg/kg		
		Isazophos (0.01-100) mg/kg		
		Isobenzan (0.01-100) mg/kg		
		Isodrin (0.01-100) mg/kg		
		Isofenphos (0.01-100) mg/kg		
		Isoxadifen-ethyl (0.01-100) mg/kg		
		Isoxathion (0.01-100) mg/kg		
		Kelevan (0.01-100) mg/kg		

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Kelthane (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Kepone (0.01-100) mg/kg		
		Lenacil (0.01-100) mg/kg		
		Leptophos (0.01-100) mg/kg		
		Malaoxon (0.01-100) mg/kg		
		Mancozeb (0.01-100) mg/kg		
		Maneb (0.01-100) mg/kg		
		MCPA acid (0.01-100) mg/kg		
		Mecarbam (0.01-100) mg/kg		
		Mefenpyr-diethyl (0.01-100) mg/kg		
		Mephosfolan (0.01-100) mg/kg		
		Metaldehyde (0.01-100) mg/kg		
		Metamitron (0.01-100) mg/kg		
		Metazachlor (0.01-100) mg/kg		
Methiocarbsulfone (0.01-100) mg/kg				

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Methoprene (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Methoxychlor, o,p'- (0.01-100) mg/kg		
		Methyl-paraoxon (0.01-100) mg/kg		
		Metoxuron (0.01-100) mg/kg		
		Mirex (0.01-100) mg/kg		
		Molinate (0.01-100) mg/kg		
		Monuron (0.01-100) mg/kg		
		Morfamquat di chloride (0.01-100) mg/kg		
		Naphthalene (0.01-100) mg/kg		
		Napropamide (0.01-100) mg/kg		
		Niclosamide (0.01-100) mg/kg		
		Nicotine (0.01-100) mg/kg		
		Nitrofen (0.01-100) mg/kg		
		Nonachlor cis (0.01-100) mg/kg		
		Norflurazon (0.01-100) mg/kg		
Ofurace (0.01-100) mg/kg				

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Oxadiazon (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Oxydemeton-methy (0.01-100) mg/kg		
		Oxydeprofos (0.01-100) mg/kg		
		Oxyfluorfen (0.01-100) mg/kg		
		Paraoxon (0.01-100) mg/kg		
		Paraquat dichloride Tetrahydrate (0.01-100) mg/kg		
		Parathion (0.01-100) mg/kg		
		Parathion (0.01-100) mg/kg		
		Parathion-methyl (0.01-100) mg/kg		

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Pendimethalin (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Pentachlorophenol (0.01-100) mg/kg		
		Permethrin I (0.01-100) mg/kg		
		Permethrin II (trans) (0.01-100) mg/kg		
		Phenthoate (0.01-100) mg/kg		
		Phorate (0.01-100) mg/kg		
		Phosalone (0.01-100) mg/kg		
		Phosfolan (0.01-100) mg/kg		
		Phosphamidon (0.01-100) mg/kg		
		Picloram (0.01-100) mg/kg		
		Picolinafen (0.01-100) mg/kg		
		Pirimiphos-ethyl (0.01-100) mg/kg		

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Pirimiphos-methyl (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Polychloroterpenes (strobane) (0.01-100) mg/kg		
		Procymidone (0.01-100) mg/kg		
		Profenofos (0.01-100) mg/kg		
		Pronamide (0.01-100) mg/kg		
		Propachlor (0.01-100) mg/kg		
		Propanil (0.01-100) mg/kg		
		Propaquizafop (0.01-100) mg/kg		
		Propazine (0.01-100) mg/kg		
		Propetamphos (0.01-100) mg/kg		
		Proquinazid (0.01-100) mg/kg		
		Prosulfocarb (0.01-100) mg/kg		
		Prothoate (0.01-100) mg/kg		
		Pyraflufen-ethyl (0.01-100) mg/kg		
		Pyrazon (0.01-100) mg/kg		
Pyrazophos (0.01-100) mg/kg				

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Pyridaphenthion (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	P
		Pyrimidifen (0.01-100) mg/kg		
		Quizalofop-ethyl (0.01-100) mg/kg		
		Resmethrin (0.01-100) mg/kg		
		Schradan (0.01-100) mg/kg		
		Sec-butylamine (0.01-100) mg/kg		
		Silthiofam (0.01-100) mg/kg		
		Simazine (0.01-100) mg/kg		
		Strychnine (0.01-100) mg/kg		
		Sulfaquinoxaline (0.01-100) mg/kg		
		Sulfotep (0.01-100) mg/kg		
		Sumithrin (0.01-100) mg/kg		
		Tebupirimfos (0.01-100) mg/kg		
		Tebutam (0.01-100) mg/kg		
		Tefluthrin (0.01-100) mg/kg		
TEPP (0.01-100) mg/kg				



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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Terbufos (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC-MS	P
		Tetradifon (0.01-100) mg/kg		
		Tetramethrin (0.01-100) mg/kg		
		Thiodicarb (0.01-100) mg/kg		
		Thionazin (0.01-100) mg/kg		
		Thiram (0.01-100) mg/kg		
		Tillam (0.01-100) mg/kg		
		Tokuthion (0.01-100) mg/kg		
		Tolclofos-methyl (0.01-100) mg/kg		
		Tolyfluanid (0.01-100) mg/kg		
		Tralormethrin (0.01-100) mg/kg		
		Triallate (0.01-100) mg/kg		
		Triazamate (0.01-100) mg/kg		
		Triazophos (0.01-100) mg/kg		

# Accreditation Scope

**SGS Gulf Limited-Food, Environmental & Chemical Testing Lab, NAL 006**  
**Testing Laboratory (ISO/IEC 17025:2005)**

**Jebel Ali Free Zone, Dubai, UAE**

**Issue Date: 29-10-2019**

**Expiry Date: 13-02-2021**

**Issue No.: 11**

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Chemical	Fruits and vegetables, Meat and meat products, Cereals and pulses, Spices and spice product	Tributyltin chloride (0.01-100) mg/kg	FL-SOP-TECH-117 by using LC-MS-MS & GC- MS	P
		Tridemorph (0.01-100) mg/kg		
		Trifluralin (0.01-100) mg/kg		
		Uniconazole (0.01-100) mg/kg		
		Vacor (0.01-100) mg/kg		
		Vinclozolin (0.01-100) mg/kg		
		Zineb (0.01-100) mg/kg		
	Drinking Water	Turbidity (0.5-100) NTU	FL-SOP-TECH-127 Based on APHA 2100Q	
		Manganese (0.05-10) ppm	FL-SOP-TECH-128 using ICP-MS	
		Copper (0.05-10) ppm		
		Arsenic (0.05-10) ppm		
		Barium (0.05-10) ppm		
		Boron (0.05-10) ppm		
		Cadmium (0.05-10) ppm		
		Chromium (0.05-10) ppm		
Lead (0.05-10) ppm				

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Chemical	Drinking Water	Mercury (0.01-10) ppb	FL-SOP-TECH-128 using ICP-MS	P
		Molybdenum (0.05-10) ppm		
		Nickel (0.05-10) ppm		
		Selenium (0.05-10) ppm		
		Antimony (0.05-10) ppm		
		Uranium (0.05-10) ppm		
		pH (0.1-14)		
		Total Dissolved Solids (50-1000) ppm	FL-SOP-TECH-125 Based on APHA 2540C 23rd Edition.	
		Sulphate (0.5-50) ppm	FL-SOP-TECH-124 Based on APHA 4110B 23rd Edition.	
		Chloride (10-200) ppm		
		Fluoride (0.5-10) ppm		
		Nitrate (5-100) ppm		
		Nitrite (0.5-10) ppm	FL-SOP-TECH-117 using LC-MS/MS & GC/MS	
		Alachlor (0.01-100) ppm		
Aldicarb (0.01-100) ppm				

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Chemical	Drinking Water	Aldrin (0.01-100) ppm	FL-SOP-TECH-117 using LC-MS/MS & GC/MS	P
		Atrazine (0.01-100) ppm		
		Chlorifos (0.01-100) ppm		
		2,4 Di chloro-Phenoxy butyric Acid (0.01-100) ppm		
		Bentazone (0.01-100) ppm		
		Carbofuran (0.01-100) ppm		
		Chlordane (0.01-100) ppm		
		Chlorotoluron (0.01-100) ppm		
		DDT (0.01-100) ppm		
		1,2-dibromo-3-chloropropane (0.01-100) ppm		
		2,4-dichlorophenoxyacetic acid (0.01-100) ppm		
		1,2-dichloropropane (0.01-100) ppm		
		1,3-dichloropropene (0.01-100) ppm		
Dimethoate (0.01-100) ppm				

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Chemical	Drinking Water	Endrin (0.01-100) ppm	FL-SOP-TECH-117 using LC-MS/MS & GC/MS	P
		Hydroxy atrazine (0.01-100) ppm		
		Isoproturon (0.01-100) ppm		
		Lindane (0.01-100) ppm		
		MCPA (0.01-100) ppm		
		Methoxychlor (0.01-100) ppm		
		Metolachlor (0.01-100) ppm		
		Molinate (0.01-100) ppm		
		Pendimethalin (0.01-100) ppm		
		Simazine (0.01-100) ppm		
		Trifluralin (0.01-100) ppm		
		Dichloroprop (0.01-100) ppm		
		Fenoprop (0.01-100) ppm		
		Mecoprop (0.01-100) ppm		
2,4,5-T (0.01-100) ppm				

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Chemical	Drinking Water	Cyanazine (0.01-100) ppm	FL-SOP-TECH-117 using LC-MS/MS & GC/MS	P
		1,2-dibromoethane (0.01-100) ppm		
		Terbutylazine (0.01-100) ppm		
Microbiological	Food	Total Plate count-Dairy products	US FDA BAM Chapter 3 Jan 2001	P
		Total Coliforms	US FDA BAM Chapter 4 July 2017	
		Escherichia Coli	US FDA BAM Chapter 4 July 2017	
		Staphylococcus aureus	US FDA BAM Chapter 12 Mar 2016	
		Salmonella	US FDA BAM Chapter 5 2018	
		Bacillus cereus	US FDA BAM Chapter 14 Feb 2012	
		Vibrio parahaemolyticus, Vibrio cholerae	US FDA BAM Chapter 09 May 2004	
		Listeria species and Listeria monocytogenes	Reveal (2.0) test kit method based on AOAC and US FDA BAM Chapter 10 Mar 2017	
		E. coli O157	Reveal test kit method based on AOAC-2000.14	
		Yeast and Mould	US FDA BAM, Chapter 18 Jan 2001	
		Clostridium perfringens	US FDA BAM Chapter 16 Mar 2016 Jan 2001	
Enterobacteriaceae	CCFRA 2.3.1:2007			

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Microbiological	Grains and Cereals	GMO screening	In house method based on based on Biotechon KITs protocol	P	
	Meat and Animal Feed	MEAT SPECIES DIFFERENTIATION (PORK, LARD)	In house method based on based on Biotechon KITs protocol		
	Water	Total coliforms	APHA 9222 B; 23 <sup>rd</sup> Edn. 2017		P
		Faecal coliforms	APHA 9222D; 23 <sup>rd</sup> Edn. 2017		
		Escherichia coli	APHA 9222 D and 9225; 23 <sup>rd</sup> Edn. 2017		
		Faecal Streptococcus	APHA 9230 C; 23 <sup>rd</sup> Edn. 2017		
		Heterotrophic plate count (35 °C, 22 °C)	APHA 9215 B		
		legionella species (pneumophila)	ISO 11731-2:2017		
TPC, Yeast and Moulds	CMMEF Chapter 3; 5 <sup>th</sup> edition				
<b>END</b>					