



ACCREDITATION CERTIFICATE

LB-TEST-021

Emirates International Accreditation Centre

has accredited

GEO CHEM MIDDLE EAST

Plot No: TP/010305, National Industries Park, Jebel Ali
Dubai-United Arab Emirates

In accordance with the requirements of

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

to undertake the tests in the attached accreditation scope

This Accreditation is invalid without the attached accreditation scope and shall remain in force within the validity period printed below, subject to continuing compliance with the requirements of the accreditation criteria.

Validity: 26/10/2021 to 13/11/2022

Initial Accreditation Date: 11/08/2004




CHIEF EXECUTIVE OFFICER
APPROVAL



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Petroleum Testing

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Geo Chem Middle East

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Issue no.: 02

Date: 26-10-2021

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Transformer Oil	Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity), 40°C	ASTM D445 and ISO 3104
Petroleum Chemistry	Transformer Oil	Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry	ASTM D4294 and ISO 20847
Petroleum Chemistry	Transformer Oil	Standard Test Method for Pour Point of Petroleum Products	ASTM D97 and ISO 3016

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Transformer Oil	Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester	ASTM D93 and ISO 2719
Petroleum Chemistry	Transformer Oil	Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester	ASTM D92
Petroleum Chemistry	Transformer Oil	Standard Test Method for Density, Relative Density, and API Gravity of Liquids by Digital Density Meter	ASTM D4052 and ISO 12185

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Transformer Oil	Standard Test Method for Density, Relative Density, or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method	ASTM D1298 and ISO 3675
Petroleum Chemistry	Transformer Oil	Standard Test Method for Interfacial Tension of Oil Against Water by the Ring Method	ASTM D971
Petroleum Chemistry	Transformer Oil	Standard Test Method for Corrosive Sulfur in Electrical Insulating Liquids	ASTM D1275

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Transformer Oil	Insulating liquids - test method for detection of potentially corrosive sulphur in used and unused insulating oil Covered Conductor Deposition Test (CCD),150 °C	ISO 62535
Petroleum Chemistry	Transformer Oil	Standard Test Method for Specific Resistance (Resistivity) of Electrical Insulating Liquids, 90°C	ASTM D1169 and IEC 60247
Petroleum Chemistry	Transformer Oil	Standard Test Method for ASTM Color of Petroleum Products (ASTM Color Scale)	ASTM D1500 ISO 2049

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Transformer Oil	Standard Test Method for Dissipation Factor (or Power Factor) and Relative Permittivity (Dielectric Constant) of Electrical Insulating Liquids, 25, 90 and 100°C	ASTM D924
Petroleum Chemistry	Transformer Oil	Insulating liquids - Measurement of relative permittivity, dielectric dissipation factor (tan d) and d.c. resistivity, 90°C	IEC 60247
Petroleum Chemistry	Transformer Oil	Standard Test Method for Acid and Base Number by Color-Indicator Titration	ASTM D974

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Transformer Oil	Insulating liquids - Determination of acidity Part 1: Automatic potentiometric titration	IEC 62021 Part 1 and ASTM D664
Petroleum Chemistry	Transformer Oil	Insulating liquids – Test methods for oxidation stability Test method for evaluating the oxidation stability of insulating liquids in the delivered state: - Oxidation Stability A - Oxidation Stability B - Oxidation Stability C -Sludge (% in mass)	IEC 61125

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Transformer Oil	Insulating liquids - Oil-impregnated paper and pressboard - Determination of water by automatic coulometric Karl Fischer titration 10 mg/kg to 25000 mg/kg.	IEC 60814 and ASTM D1533
Petroleum Chemistry	Transformer Oil	Standard Test Method for Dielectric Breakdown Voltage of Insulating Liquids Using Disk Electrodes	ASTM D877
Petroleum Chemistry	Transformer Oil	Standard Test Method for Dielectric Breakdown Voltage of Insulating Liquids Using VDE Electrodes	ASTM D1816

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Transformer Oil	Insulating liquids - Determination of the breakdown voltage at power frequency - Test method	IEC 60156
Petroleum Chemistry	Transformer Oil	Standard Test Method for Furanic Compounds in Electrical Insulating Liquids by High- Performance Liquid Chromatography (HPLC) by GC-ECD:	ASTM D5837 and ISO 61198
		5-hydroxymethyl-2- furaldehyde	
		furfuryl alcohol	
		2-furaldehyde	
		2-acetylfuran	
		5-methyl-2-furaldehyde	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Transformer Oil	Standard Test Method for Analysis of Polychlorinated Biphenyls in Insulating Liquids by Gas Chromatography	ASTM D4059 and ISO 61619
		Total Polychlorinated Biphenyls (PCB) by HPLC-UV :	
		Aroclor 1254	
		Aroclor 1260	
Petroleum Chemistry	Transformer Oil	Aroclor 1242	ASTM D4059 and ISO 61619
		Total-Aroclor mix (Aroclor 1232, 1016, 1248 and 1260)	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Transformer Oil	Standard Test Method for Analysis of Gases Dissolved in Electrical Insulating Oil by Gas Chromatography (DGA) (ppm) by DHS GC- : Hydrogen Oxygen Nitrogen Carbon Dioxide Acetylene Ethylene	ASTM D3612C and IEC 60567
Petroleum Chemistry	Transformer Oil	Ethane Methane Carbon Monoxide Total TDCG TDHHG ETCG, (%) in blanket	ASTM D3612C and IEC 60567

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Transformer Oil	Insulating liquids. Methods for counting and sizing particles	ISO 60970
Petroleum Chemistry	Transformer Oil	Standard Test Method for Multielement Determination of Used and Unused Lubricating Oils and Base Oils by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES) Metals by ICP-OES	ASTM D5185
		Aluminum,	
		Copper,	
		Chromium,	
		Iron,	
		Lead,	
		Nickel,	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Transformer Oil	Standard Test Method for Multielement Determination of Used and Unused Lubricating Oils and Base Oils by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES)	ASTM D5185
		Metals by ICP-OES	
		Sodium,	
		Silicon,	
		Tin,	
		Cadmium,	
		Silver,	
		Titanium,	
		Vanadium,	
		Zinc,	
		Sodium,	
		Potassium, Magnesium,	
		Boron,	
		Barium,	
Calcium			

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Transformer Oil	Estimated Degree of Polymerization - Chendong Model (calculation based on 2-furaldehyde test)	Mtetwa, Nkosenye Sidwell. "Accuracy of furan analysis in estimating the degree of polymerization in power transformers." PhD diss., 2011.
Petroleum Chemistry	Transformer Oil	Estimated Degree of Polymerization - DePablo Model (calculation based on 2-furaldehyde test)	Mtetwa, Nkosenye Sidwell. "Accuracy of furan analysis in estimating the degree of polymerization in power transformers." PhD diss., 2011.
Petroleum Chemistry	Transformer Oil	Estimated Degree of Polymerization - Pahlavan pour Model (calculation based on 2-furaldehyde test)	Mtetwa, Nkosenye Sidwell. "Accuracy of furan analysis in estimating the degree of polymerization in power transformers." PhD diss., 2011.

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Transformer Oil	Test methods for quantitative determination of corrosive sulfur compounds in unused and used insulating liquids part 1: test method for quantitative determination of dibenzyl disulfide (DBDS)	ISO 62697 Part 1
Petroleum Chemistry	Diesel Oil	Standard Test Method for ASTM Color of Petroleum Products (ASTM Color Scale)	ASTM D1500
Petroleum Chemistry	Diesel Oil	Standard Test Method for Ash from Petroleum Products	ASTM D482

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Diesel Oil	Standard Test Method For Estimation Of Net And Gross Heat Of Combustion Of Hydrocarbon Burner And Diesel Fuels	ASTM D4868
Petroleum Chemistry	Diesel Oil	Standard Test Method for Acid and Base Number by Color-Indicator Titration - Acid Number-Strong - Acid Number- Total	ASTM D974
Petroleum Chemistry	Diesel Oil	Standard Test Method for Calculated Cetane Index of Distillate Fuels (calculation based on density and distillation at 50%)	ASTM D976

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Diesel Oil	Standard Test Method for Calculated Cetane Index by Four Variable Equation (calculation based on density and distillation at 10, 50 and 90%)	ASTM D4737
Petroleum Chemistry	Diesel Oil	Standard Test Method for Corrosiveness to Copper from Petroleum Products by Copper Strip Test	ASTM D130

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Diesel Oil	Standard Test Method for Density, Relative Density, or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method	ASTM D1298
Petroleum Chemistry	Diesel Oil	Standard Test Method for Density, Relative Density, and API Gravity of Liquids by Digital Density Meter	ASTM D4052
Petroleum Chemistry	Diesel Oil	Standard Test Method for Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure	ASTM D86

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Diesel Oil	Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester	ASTM D93
Petroleum Chemistry	Diesel Oil	Standard Test Method for Pour Point of Petroleum Products	ASTM D97
Petroleum Chemistry	Diesel Oil	Standard Test Method for Cloud Point of Petroleum Products and Liquid Fuels	ASTM D2500
Petroleum Chemistry	Diesel Oil	Standard Test Method for Cold Filter Plugging Point of Diesel and Heating Fuels	ASTM D6371

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Diesel Oil	Diesel and domestic heating fuels - Determination of cold filter plugging point- stepwise cooling bath method.	IP 309
Petroleum Chemistry	Diesel Oil	Standard Test Method for Water and Sediment in Middle Distillate Fuels by Centrifuge	ASTM D2709
Petroleum Chemistry	Diesel Oil	Standard Test Method for Water in Petroleum Products and Bituminous Materials by Distillation	ASTM D95

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Diesel Oil	Standard Test Method for Determination of Water in Petroleum Products, Lubricating Oils, and Additives by Coulometric Karl Fischer Titration	ASTM D6304
Petroleum Chemistry	Diesel Oil	Standard Test Method for Determination of Total Sulfur in Light Hydrocarbons, Spark Ignition Engine Fuel, Diesel Engine Fuel, and Engine Oil by Ultraviolet Fluorescence Sulphur By Ultraviolet Fluorescence	ASTM D5453

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Diesel Oil	Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity) Kinematic Viscosity@40°C,cSt (mm ² /s)	ASTM D445
Petroleum Chemistry	Diesel Oil	Standard Test Method for Evaluating Lubricity of Diesel Fuels by the High-Frequency Reciprocating Rig (HFRR)	ASTM D6079
Petroleum Chemistry	Diesel Oil	Standard Test Method for Oxidation Stability of Distillate Fuel Oil (Accelerated Method)	ASTM D2274

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Diesel Oil	Standard Test Methods for Electrical Conductivity of Aviation and Distillate Fuels	ASTM D2624
Petroleum Chemistry	Diesel Oil	Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry	ASTM D4294

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Natural Gas	Standard Test Method for Analysis of Natural Gas by Gas Chromatography By GC-FID&TCD:	ASTM D1945
		Nitrogen	
		Carbon Dioxide	
		Hydrogen Sulphide	
		Methane	
		Ethane	
		Propane	
		Iso-Butane	
		N-Butane	
		Iso-Pentane	
		N-Pentane	
		Hexanes	
		Heptanes	

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Petroleum Chemistry	Natural Gas	Standard Test Method for Analysis of Natural Gas by Gas Chromatography By GC-FID & TCD:	ASTM D1945
		Iso-Butane	
		N-Butane	
		Iso-Pentane	
		N-Pentane	
		Hexanes	
		Heptanes	
Petroleum Chemistry	Natural Gas	Analysis of Natural Gas by GC-FID & TCD:	GPA 2286
		Nitrogen	
		Carbon Dioxide	
		Hydrogen Sulphide	
		Methane	
		Propane	
		Iso-Butane	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Natural Gas	Analysis of Natural Gas by GC-FID & TCD:	GPA 2286
		Ethane	
		N-Butane	
		Iso-Pentane	
		N-Pentane	
Petroleum Chemistry	Natural Gas	Analysis of Natural Gas by GC-FID & TCD:	GPA 2286
		N-Hexane	
		Benzene	
		N-Heptane	
		Toluene	
		N-Octane	
		Ethyl Benzene	
		m/p-Xylene	
		o-Xylene	
		N-Nonane	
N-Decane			

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Oily Sludge	Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester	ASTM D93
Petroleum Chemistry	Engine Oil Lubricants	Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity) @40°,100°C, cSt (mm ² /s)	ASTM D445
Petroleum Chemistry	Engine Oil Lubricants	Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester	ASTM D92

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Engine Oil Lubricants	Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester	ASTM D93
Petroleum Chemistry	Engine Oil Lubricants	Standard Test Methods for Flash Point by Small Scale Closed Cup Tester	ASTM D3828
Petroleum Chemistry	Engine Oil Lubricants	Standard Test Method for Multielement Determination of Used and Unused Lubricating Oils and Base Oils by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES) Metals by ICP-OES: Aluminum, Copper,	ASTM D5185

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Petroleum Chemistry	Engine Oil Lubricants	Standard Test Method for Multielement Determination of Used and Unused Lubricating Oils and Base Oils by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES)	ASTM D5185
		Metals by ICP-OES:	
		Chromium,	
		Iron,	
		Lead,	
		Nickel,	
		Sodium,	
Silicon,			

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Petroleum Chemistry	Engine Oil Lubricants	Standard Test Method for Multielement Determination of Used and Unused Lubricating Oils and Base Oils by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES)	ASTM D5185
		Metals by ICP-OES:	
		Tin,	
		Cadmium,	
		Silver,	
		Titanium,	
		Vanadium,	
		Zinc,	
		Sodium,	
		Potassium,	
		Magnesium,	
Manganese,			

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Petroleum Chemistry	Engine Oil Lubricants	Standard Test Method for Multielement Determination of Used and Unused Lubricating Oils and Base Oils by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES)	ASTM D5185
		Metals by ICP-OES:	
		Molybdenum,	
		Boron,	
Petroleum Chemistry	Engine Oil Lubricants	Standard Test Method for Insolubles in Used Lubricating Oils (pentane and toluene)	ASTM D893

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Engine Oil Lubricants	Hydraulic fluid power — Fluids — Method for coding the level of contamination by solid particles	ISO 4406
Petroleum Chemistry	Engine Oil Lubricants	Standard Test Method for Acid and Base Number by Color-Indicator Titration	ASTM D974
Petroleum Chemistry	Engine Oil Lubricants	Standard Test Method for Base Number of Petroleum Products by Potentiometric Perchloric Acid Titration	ASTM D2896

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Petroleum Chemistry	Engine Oil Lubricants	Standard Test Method for Water in Petroleum Products and Bituminous Materials by Distillation	ASTM D95
Petroleum Chemistry	Engine Oil Lubricants	Standard Test Method for Determination of Water in Petroleum Products, Lubricating Oils, and Additives by Coulometric Karl Fischer Titration	ASTM D6304
Petroleum Chemistry	Engine Oil Lubricants	Standard Test Method For Sulfur In Petroleum And Petroleum Products By Energy Dispersive X-Ray Fluorescence Spectrometry	ASTM D4294

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Engine Oil Lubricants	Standard Test Method for Density, Relative Density, and API Gravity of Liquids by Digital Density Meter	ASTM D4052
Petroleum Chemistry	Engine Oil Lubricants	Standard Test Method For Density, Relative Density (Specific Gravity), Or API Gravity Of Crude Petroleum And Liquid Petroleum Products By Hydrometer Method	ASTM D1298
Petroleum Chemistry	Engine Oil Lubricants	Standard Test Method for Corrosiveness to Copper from Petroleum Products by Copper Strip Test	ASTM D130

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Petroleum Chemistry	Engine Oil Lubricants	Standard Test Method for ASTM Color of Petroleum Products (ASTM Color Scale)	ASTM D1500
Petroleum Chemistry	Engine Oil Lubricants	Standard Test Method for Ash from Petroleum Products	ASTM D482
Petroleum Chemistry	Engine Oil Lubricants	Standard Test Method for Determination of Total Sulfur in Light Hydrocarbons, Spark Ignition Engine Fuel, Diesel Engine Fuel, and Engine Oil by Ultraviolet Fluorescence Sulphur By Ultraviolet Fluorescence	ASTM D5453

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Aviation Fuel	Standard Test Method for Saybolt Color of Petroleum Products (Saybolt Chromometer Method)	ASTM D156
Petroleum Chemistry	Aviation Fuel	Standard Test Method for Color of Petroleum Products by the Automatic Tristimulus Method	ASTM D6045
Petroleum Chemistry	Aviation Fuel	Standard Test Method for Particulate Contamination in Aviation Fuels by Laboratory Filtration	ASTM D5452

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Petroleum Chemistry	Aviation Fuel	Determination of the level of cleanliness of aviation turbine fuel - Laboratory automatic particle counter method:	IP 564
		≥4µm (c)	
		≥6µm (c)	
		≥14µm (c)	
		≥21µm (c)	
		≥25µm (c)	
		≥30µm (c)	
Petroleum Chemistry	Aviation Fuel	Standard Test Method for Acidity in Aviation Turbine Fuel	ASTM D3242
Petroleum Chemistry	Aviation Fuel	Standard Test Method for Hydrocarbon Types in Liquid Petroleum Products by Fluorescent Indicator Adsorption	ASTM D1319

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Aviation Fuel	Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry	ASTM D4294
Petroleum Chemistry	Aviation Fuel	Standard Test Method for (Thiol Mercaptan) Sulfur in Gasoline, Kerosine, Aviation Turbine, and Distillate Fuels (Potentiometric Method) Mercaptan Sulfur (Potentiometric Method)	ASTM D3227

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Aviation Fuel	Standard Test Method for Qualitative Analysis for Active Sulfur Species in Fuels and Solvents (Doctor Test)	ASTM D4952
Petroleum Chemistry	Aviation Fuel	Standard Test Method for Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure	ASTM D86
Petroleum Chemistry	Aviation Fuel	Determination of flash point - Abel closed-cup method	IP 170

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Aviation Fuel	Standard Test Method for Density, Relative Density, or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method	ASTM D1298
Petroleum Chemistry	Aviation Fuel	Standard Test Method for Density, Relative Density, and API Gravity of Liquids by Digital Density Meter	ASTM D4052
Petroleum Chemistry	Aviation Fuel	Standard Test Method for Freezing Point of Aviation Fuels	ASTM D2386

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Aviation Fuel	Standard Test Method for Freezing Point of Aviation Fuels (Automatic Phase Transition Method)	ASTM D5972
Petroleum Chemistry	Aviation Fuel	Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity) Viscosity @ -20°C, cSt (mm ² /s)	ASTM D445

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Aviation Fuel	Standard Test Method for Estimation of Net Heat of Combustion of Aviation Fuels Specific Energy (calculation based on sulfur, density, aromatics and distillation @10, 50 and 90%)	ASTM D3338
Petroleum Chemistry	Aviation Fuel	Standard Test Method for Naphthalene Hydrocarbons in Aviation Turbine Fuels by Ultraviolet Spectrophotometry	ASTM D1840

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Aviation Fuel	Standard Test Method for Corrosiveness to Copper from Petroleum Products by Copper Strip Test	ASTM D130
Petroleum Chemistry	Aviation Fuel	Standard Test Method for Thermal Oxidation Stability of Aviation Turbine Fuels: - Filter pressure differential - Tube deposit rating	ASTM D3241
Petroleum Chemistry	Aviation Fuel	Determination of the existent gum content of aviation turbine fuel - Jet evaporation method	IP 540

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Chemistry	Aviation Fuel	Standard Test Method for Determining Water Separation Characteristics of Aviation Turbine Fuels by Portable Separometer Microseparometer (MSEP)	ASTM D3948
Petroleum Chemistry	Aviation Fuel	Standard Test Methods for Electrical Conductivity of Aviation and Distillate Fuels	ASTM D2624

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum Testing	Liquified Petroleum Gas	Determination of Hydrocarbons in Liquefied Petroleum (LP) Gases and Propane/Propene Mixtures by Gas Chromatography (Methane, Ethane, Propane, Iso-Butane, n-Butane, Iso-Pentane, n-Pentane, C5+)	ASTM D2163

Accreditation History		
Issue no.	Details	Date
02	Extension in scope (add Liquified Petroleum Gas test) and comply with the new accreditation number format	26-10-2021
01	Granted accreditation from EIAC (which was formerly known as DAC)	09/02/2020

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Food	Yeast & Moulds	FDA/ BAM Chapter 18
Microbiology	Food	Total Bacterial Count	FDA/ BAM Chapter 3
Microbiology	Food	Enumeration of Clostridium perfringenes	CCFRA 3.6.1
Microbiology	Food	Enumeration of Listeria monocytogenes	CCFRA 3.2.1
Microbiology	Food	Detection of E. coli 0157:H7	In-house method GC-SOP-180
Microbiology	Food	E.Coli	FDA/ BAM Chapter 4
Microbiology	Food	Bacillus Cereus	FDA/ BAM Chapter 14
Microbiology	Food	Staphylococcus Aureus	FDA/ BAM Chapter 12
Microbiology	Food	Vibrio parahaemolyticus	FDA/ BAM Chapter 9

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Food	Salmonella	FDA/ BAM Chapter 5
Microbiology	Food	Vibrio spp. (including V. cholerae and V. vulnificus)	In-house method QA/ML/ SOP 03
Microbiology	Food	Detection of Listeria monocytogenes	CCFRA 3.2.4
Microbiology	Food	Detection of Thermotolerant Campylobacter spp. (C.jejuni and C.coli)	In-house method QA/ML/ SOP 17 Molecular using Kogene 20 Path PCR Multiplex kit
Microbiology	Food	Detection of Shigella species	CMMEF Volume 5 Chapter 37.5.
Microbiology	Food	Detection of Pseudomonas	In-house method QA/ML SOP 07
Microbiology	Food	Detection of E.coli	In-house method QA/ML SOP 08

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Food	Enumeration of Faecal Coliforms.	In-house method QA/ML SOP 04
Microbiology	Food	Detection of Porcine Contamination by Real Time Polymerase Chain Reaction	In-house method QA/ML SOP 14 Using Kogene Power Check Speciation kit
Microbiology	Food, Swabs	Sampling for microbiological analysis	CMMEF, 4 th Edition Chapter 2 and Chapter 3
Microbiology	Swab Detection	Staphylococcus aureus	In-house method GC-SOP-192
Microbiology	Swab Detection	Total Coliforms	In-house method GC-SOP-192
Microbiology	Swab Detection	E.coli	In-house method GC-SOP-192
Microbiology	Food, Feed and Swab	Enumeration & Detection of Enterobacteriaceae	CCFRA Chapter 2.3.1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Food, Feed and Swab	Enumeration & Detection of Total Coliforms	CCFRA Chapter 2.2.1
Microbiology	Food, Feed and Swab	Enumeration & Detection Vibrio Parahaemolyticus	CCFRA Chapter 3.8.2
Microbiology	Food, Feed and Swab	Enumeration & Detection of Yeasts and Moulds	CCFRA Chapter 2.1.1
Microbiology	Food, Cereal and Grains	Detection of GMO products (35S and NosT by Real Time Polymerase Chain Reaction	In-house method QA/ML SOP 15 Using Kogene Power Check GMO Kit
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Colour	APHA 2120

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	pH	APHA 4500 H+ B
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Conductivity	APHA 2510 B
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Chloride	APHA 4500 Cl ⁻ B
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Chloride	APHA 4110 B
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Sulphate	APHA 4500 SO ₄ 2 ⁻ B

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Sulphate	APHA 4500 SO ₄ 2 ⁻ C
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Sulphate	APHA 4110 B
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Nitrate	APHA 4500 NO ₃ B
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Fluoride	APHA 4500 F ⁻ D
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Total Dissolved solids	APHA 2540 C

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Bicarbonate	APHA 2320 B
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Carbonate	APHA 2320 B
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Total Alkalinity	APHA 2320 B
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Calcium	APHA 3500 Ca B
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Magnesium	APHA 3500 Mg B

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Bromide	APHA 4110 B
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Bromate	In-house method GC SOP 36 and US EPA 300.1
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Turbidity	APHA 2130 B
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Salinity	APHA 2520 B
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Total Hardness	APHA 2340 C

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Hg	In-house method GC-SOP 169
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Heavy Metals by ICP-OES:	APHA 3120 B
		Iron	
		Calcium	APHA 3120 B
		Magnesium	APHA 3120 B
		Sodium	APHA 3120 B
		Potassium	APHA 3120 B
		Cd	APHA 3120 B
	Cr	APHA 3120 B	
	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Cu	APHA 3120 B
		Zn	APHA 3120 B
Pb		APHA 3120 B	
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Heavy Metals by ICP-OES: Ni , Se	APHA 3120 B

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Volatile Organic Compounds (BTEX) Benzene	USEPA 8260 B
Chemical Analysis	Potable Water/ Bottled Drinking Water/ Un-Bottled Drinking Water	Toluene	USEPA 8260 B
		Ethyl Benzene	USEPA 8260 B
		m& p-Xylene	USEPA 8260 B
		5. o-Xylene	USEPA 8260 B
Chemical Analysis	Dairy products	Determination of Ash content	AOAC 945.46
Chemical Analysis	Dairy products	Determination of Moisture	AOAC 927.05
Chemical Analysis	Dairy products	Determination of Protein	AOAC 991.23
Chemical Analysis	Fish and Meat and its products	Determination of Ash content	AOAC 920.153
Chemical Analysis	Fish and Meat and its products	Determination of Total fat	AOAC 960.39
Chemical Analysis	Fish and Meat and its products	Determination of Protein	AOAC 928.08

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fish and Meat and its products	Determination of Protein	AOAC 950.46
Chemical Analysis	Fish and Meat and its products	Carbohydrates (Calculations based on accredited test methods only)	FAO-77 (2003) ISSN 0254-4725
Chemical Analysis	Fish and Meat and its products	Energy (Calculations based on accredited test methods only)	FAO-77 (2003) ISSN 0254-4725
Chemical Analysis	Fish and Meat and its products	Histamine (Fish and its product) (LOQ=5.00 mg/kg)	AOAC 973.07/Veratox App Method
Chemical Analysis	Fish and Meat and its products	pH	In house method CH-SOP 130
Chemical Analysis	Fish and Meat and its products	Phosphorous (LOQ=0.10 mg/kg)	ISO 2294-1974

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fish and Meat and its products	Salt (LOQ=0.20 g/100g)	In house method GC-SOP-05
Chemical Analysis	Fish and Meat and its products	Acid insoluble Ash (LOQ=0.20 g/100g)	IS 14950-2001
Chemical Analysis	Fish and Meat and its products	Heavy Metals: Lead (LOQ=0.10 mg/L) Tin (LOQ=0.10 mg/L)	AOAC 972.23
Chemical Analysis	Animal Feed	Determination of Total fat	AOAC 920.39
Chemical Analysis	Animal Feed	Determination of Moisture	AOAC 930.15
Chemical Analysis	Animal Feed	Determination of Protein	AOAC 954.01
Chemical Analysis	Animal Feed	Determination of Ash content	AOAC 942.05
Chemical Analysis	Animal Feed	Carbohydrates (Calculations based on accredited test methods only)	FAO-77 (2003) ISSN 0254-4725

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Animal Feed	Energy (Calculations based on accredited test methods only)	FAO-77 (2003) ISSN 0254-4725
Chemical Analysis	Animal Feed	Acid Insoluble Ash (LOQ=0.50 g/100g)	IS 1495:2001
Chemical Analysis	Animal Feed	Crude fiber (LOQ=0.20 g/100g)	AOAC 962.09
Chemical Analysis	Animal Feed	Sugar:	
Chemical Analysis	Animal Feed	Fructose (LOQ=500 ug/kg)	AOAC 982.14
Chemical Analysis	Animal Feed	Glucose (LOQ=500 ug/kg)	AOAC 982.14
Chemical Analysis	Animal Feed	Sucrose (LOQ=500 ug/kg)	AOAC 982.14
Chemical Analysis	Animal Feed	Maltose (LOQ=500 ug/kg)	AOAC 982.14
Chemical Analysis	Animal Feed	Lactose (LOQ=500 ug/kg)	AOAC 982.14

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Animal Feed	Sugar:	
Chemical Analysis	Animal Feed	Fat Acidity (LOQ=0.05 mg/L)	AOAC 940.28
Chemical Analysis	Animal Feed	Peroxide Value /Rancidity (LOQ=0.50 mg/KOH100mL)	AOAC 965.33/920.39/ Food Manual
Chemical Analysis	Animal Feed	Heavy Metals	
Chemical Analysis	Animal Feed	Manganese (LOQ=0.10 mg/L)	ISO 27085
Chemical Analysis	Animal Feed	Lead (LOQ=0.10 mg/L)	ISO 27085
Chemical Analysis	Animal Feed	Iron (LOQ=0.10 mg/L)	ISO 27085
Chemical Analysis	Animal Feed	Calcium (LOQ=0.10 mg/L)	ISO 27085
Chemical Analysis	Animal Feed	Cobalt (LOQ=0.10 mg/L)	ISO 27085

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Animal Feed	Heavy Metals	
Chemical Analysis	Animal Feed	Cadmium (LOQ=0.10 mg/L)	ISO 27085
Chemical Analysis	Animal Feed	Arsenic (LOQ=0.10 mg/L)	ISO 27085
Chemical Analysis	Animal Feed	Zinc (LOQ=0.10 mg/L)	ISO 27085
Chemical Analysis	Animal Feed	Sodium (LOQ=0.10 mg/L)	ISO 27085
Chemical Analysis	Animal Feed	Potassium (LOQ=0.10 mg/L)	ISO 27085
Chemical Analysis	Animal Feed	Phosphorous (LOQ=0.10 mg/L)	ISO 27085
Chemical Analysis	Animal Feed	Magnesium (LOQ=0.10 mg/L)	ISO 27085
Chemical Analysis	Animal Feed	Molybdenum (LOQ=0.10 mg/L)	ISO 27085
Chemical Analysis	Cereals and pulses	Determination of Ash content	AOAC 923.03

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Chemical Analysis	Cereals and pulses	Determination of Total fat	AOAC 920.39
Chemical Analysis	Cereals and pulses	Determination of Moisture	AOAC 930.15
Chemical Analysis	Cereals and pulses	Determination of Protein	AOAC 920.87
Chemical Analysis	Cereals and pulses	Determination of Aflatoxin (Total),Afla B1, Afla B2, Afla G1 Afla,G2	AOAC 991.31 (Modified)
Chemical Analysis	Cereals and pulses	Determination of Ochratoxin A	AOAC 2000.03 (modified)
Chemical Analysis	Cereals and pulses	Carbohydrates (Calculations based on accredited test methods only)	FAO-77 (2003) ISSN 0254-4725

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Chemical Analysis	Cereals and pulses	Energy (Calculations based on accredited test methods only)	FAO-77 (2003) ISSN 0254-4725
Chemical Analysis	Cereals and pulses	Sugar:	
Chemical Analysis	Cereals and pulses	Fructose (LOQ=500 ug/kg)	AOAC 982.13
Chemical Analysis	Cereals and pulses	Glucose (LOQ=500 ug/kg)	AOAC 982.13
Chemical Analysis	Cereals and pulses	Sucrose (LOQ=500 ug/kg)	AOAC 982.13
Chemical Analysis	Cereals and pulses	Maltose (LOQ=500 ug/kg)	AOAC 982.13
Chemical Analysis	Cereals and pulses	Lactose (LOQ=500 ug/kg)	AOAC 982.13
Chemical Analysis	Cereals and pulses	Crude fiber (LOQ=0.50 g/100g)	AOAC 962.09
Chemical Analysis	Cereals and pulses	Acid Insoluble Ash (LOQ=0.25 g/100g)	In house method CH-SOP 151

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Cereals and pulses	Fat Acidity (LOQ=0.05 mg/kg)	AOAC 940.28
Chemical Analysis	Cereals and pulses	Salt Content Qualitative	In house method CH-SOP 05
Chemical Analysis	Cereals and pulses	Peroxide Value/ Rancidity (LOQ = 0.50 mg/KOH 100mL)	AOAC 965.33/920.39/Food Manual
Chemical Analysis	Cereals and pulses	Heavy Metals:	
Chemical Analysis	Cereals and pulses	Lead (LOQ=0.10 mg/L)	In house method CH-SOP 33
Chemical Analysis	Cereals and pulses	Cadmium (LOQ=0.10 mg/L)	In house method CH-SOP 33
Chemical Analysis	Milk powder	Determination of Total fat	AOAC 989.05
Chemical Analysis	Milk powder	Heavy metals by ICP- OES: Pb, Cd, Cu, Fe, Zn	AOAC 985.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Milk Powder, Infant Formula, Dairy Products	Carbohydrates (Calculations based on accredited test methods only)	FAO-77 (2003) ISSN 0254-4725
Chemical Analysis	Milk Powder, Infant Formula, Dairy Products	Energy (Calculations based on accredited test methods only)	FAO-77 (2003) ISSN 0254-4725
Chemical Analysis	Milk Powder, Infant Formula, Dairy Products	Fat Acidity (LOQ=0.20 g/100g)	AOAC 940.28
Chemical Analysis	Milk Powder, Infant Formula, Dairy Products	Acid Insoluble Ash (LOQ=0.20 g/100g)	IS 12711-1989
Chemical Analysis	Milk Powder, Infant Formula, Dairy Products	Solubility Test	IDF 129A 1988
Chemical Analysis	Milk Powder, Infant Formula, Dairy Products	Total Solids Content (LOQ=0.50 g/100g)	IS 12333-1997

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Milk Powder, Infant Formula, Dairy Products	Artificial Sweetener (Aspartame, Acesulfame, Saccharin) (LOQ=0.10 mg/kg)	In house method CH-SOP 24
Chemical Analysis	Milk Powder, Infant Formula, Dairy Products	Salt Content (Butter only) (Qualitative)	In house method CH-SOP 20
Chemical Analysis	Milk Powder, Infant Formula, Dairy Products	Peroxide Value (LOQ=0.50 mg/KOH100mL)	AOAC 965.33/920.39/ Food Manual
Chemical Analysis	Milk Powder, Infant Formula, Dairy Products	pH	In house method GC-OP-10
Chemical Analysis	Spices	Determination of Aflatoxin (Total), Afla B1 (LOQ=0.4 µg/kg), Afla B2 (LOQ=0.1 µg/kg), Afla G1 (LOQ=0.4 µg/kg) Afla, G2 (LOQ=0.1 µg/kg)	AOAC 999.07 (Modified)

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Spices	Determination of Ochratoxin A (LOQ=0.5 µg/kg)	AOAC 2004.10 (modified)
Chemical Analysis	Spices	Moisture (LOQ=1.00 g/100g)	AOAC 986.21
Chemical Analysis	Spices	Ash (LOQ=0.40 g/100g)	AOAC 941.12
Chemical Analysis	Spices	Acid Insoluble Ash (LOQ=0.50 g/100g)	IS 12711-1989
Chemical Analysis	Spices	Crude fiber (LOQ=1.0 g/100g)	IS 12711-1989
Chemical Analysis	Spices	Chromium VI (qualitative)	IS 3576:2010
Chemical Analysis	Spices	Starch (LOQ=0.50 g/100g)	ASTA 8.0
Chemical Analysis	Spices	Nonvolatile ether extract (LOQ=0.50 g/100g)	IS 1797-1985
Chemical Analysis	Spices	Cold water extract (LOQ=0.50 g/100g)	IS 1797-1985

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Spices	Heavy Metals: Lead (LOQ=0.10 mg/L) Cadmium (LOQ=0.10 mg/L)	In-house method CH-SOP-43
Chemical Analysis	Dry fruits	Determination of Aflatoxin (Total),Afla B1, Afla B2, Afla G1 Afla,G2	AOAC 999.07 (Modified)
Chemical Analysis	Dry fruits	Determination of Ochratoxin A	AOAC 2000.03 (modified)
Chemical Analysis	Dry fruits and Nuts	Moisture (LOQ=0.40 g/100g)	AOAC 934.06
Chemical Analysis	Dry fruits and Nuts	Ash (LOQ=0.30 g/100g)	AOAC 920.03
Chemical Analysis	Dry fruits and Nuts	Fat (LOQ=0.50 g/100g)	AOAC 920.39

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Dry fruits and Nuts	Carbohydrates (Calculations based on accredited test methods only)	FAO-77 (2003) ISSN 0254-4725
Chemical Analysis	Dry fruits and Nuts	Energy (Calculations based on accredited test methods only)	FAO-77 (2003) ISSN 0254-4725
Chemical Analysis	Dry fruits and Nuts	Protein (LOQ=0.30 g/100g)	AOAC 920.87
Chemical Analysis	Dry fruits and Nuts	Heavy Metals: Lead (LOQ=0.10 mg/L) Cadmium (LOQ=0.10 mg/L)	In-house method CH-SOP-38

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Nuts {Pistachio, Almond, Peanut}, Spices (Nutmeg)	Aflatoxins	AOAC 994.08,999.07
		G2 (LOQ=0.10 µg/kg)	
		G1 (LOQ=0.40 µg/kg)	
		B2 (LOQ=0.10 µg/kg)	
		B1 (LOQ=0.40 µg/kg)	
Chemical Analysis	Nuts {Pistachio, Almond, Peanut}, Spices (Nutmeg)	Ochratoxin A (LOQ=1.00 µg/kg)	AOAC 991.44 (Modified)
Chemical Analysis	Chocolates	Moisture (LOQ=0.50 g/100g)	In house method GC-SOP-121
Chemical Analysis	Chocolates	Ash (LOQ=0.50 g/100g)	AOAC 920.03
Chemical Analysis	Chocolates	Fat (LOQ=0.50 g/100g)	AOAC 948.22
Chemical Analysis	Chocolates	Protein (LOQ=0.25 g/100g)	AOAC 920.87

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Chocolates	Energy (Calculations based on accredited test methods only)	FAO-77 (2003) ISSN 0254-4725
Chemical Analysis	Chocolates	Carbohydrates (Calculations based on accredited test methods only)	FAO-77 (2003) ISSN 0254-4725
Chemical Analysis	Chocolates	Sugar:	
		Fructose (LOQ=500 ug/kg)	AOAC 980.13
		Glucose (LOQ=500 ug/kg)	
		Sucrose (LOQ=500 ug/kg)	
		Maltose (LOQ=500 ug/kg)	
		Lactose (LOQ=500 ug/kg)	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Chocolates	Sugar:	
		Acid insoluble ash (LOQ=0.50 g/100g)	IS 12711-1989
		Total solids Content (LOQ=0.50 g/100g)	IS 12333-1997
Chemical Analysis	Chocolates	Heavy Metals: Lead (LOQ=0.10 mg/L) Cadmium (LOQ=0.10 mg/L)	CH-SOP-34
Chemical Analysis	Cooked and Baked Food	Moisture (LOQ=0.50 g/100g)	IS 1011-1991
Chemical Analysis	Cooked and Baked Food	Ash (LOQ=0.50 g/100g)	AOAC 920.03
Chemical Analysis	Cooked and Baked Food	Fat (LOQ=0.50 g/100g)	AOAC 948.22
Chemical Analysis	Cooked and Baked Food	Protein	AOAC 920.87

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Cooked and Baked Food	Energy (Calculations based on accredited test methods only)	FAO-77 (2003) ISSN 0254-4725
Chemical Analysis	Cooked and Baked Food	Carbohydrates (Calculations based on accredited test methods only)	FAO-77 (2003) ISSN 0254-4725
Chemical Analysis	Cooked and Baked Food	Sugar:	AOAC 982.14
		Fructose (LOQ=500 ug/kg)	
		Glucose (LOQ=500 ug/kg)	
		Sucrose (LOQ=500 ug/kg)	
		Maltose (LOQ=500 ug/kg)	
		Lactose (LOQ=500 ug/kg)	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Cooked and Baked Food	Sugar:	
Chemical Analysis	Cooked and Baked Food	Total Solid content (LOQ=0.50 g/100g)	IS 12333-1997
Chemical Analysis	Cooked and Baked Food	Free Fatty Acid (LOQ=0.20 g/100g)	AOAC 948.28
Chemical Analysis	Cooked and Baked Food	Acid insoluble ash (LOQ=0.15 g/100g)	IS 12711-1989
Chemical Analysis	Cooked and Baked Food	Heavy metals: Lead (LOQ=0.10 mg/L) Cadmium (LOQ=0.10 mg/L)	Inhouse methodCH-SOP-36
Chemical Analysis	Cattle Feed	Determination of Aflatoxin (Total),Afla B1,	AOAC 2003.02 (modified)
Chemical Analysis	Cattle Feed	Afla B2, Afla G1 Afla,G2	
Chemical Analysis	Roasted coffee	Determination of Ochratoxin A	AOAC 2000.09 (modified)

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Milk and dairy products	Determination of Sugars (Glucose, Maltose, Fructose, Sucrose, lactose)	AOAC 980.13 (modified)
Chemical Analysis	Honey	Determination of Sugars (Glucose, Fructose, Sucrose)	AOAC 977.20 (modified)
Chemical Analysis	Honey	pH	AOAC 981.12
Chemical Analysis	Honey	Hydroxyl Methyl furfural (HMF) (LOQ=1.00 mg/kg)	AOAC 980.23 (Modified)
Chemical Analysis	Juices and Beverages	Determination of Sugars (Glucose, Maltose, Fructose, Sucrose)	AOAC 977.20 (modified)
Chemical Analysis	Juices and Beverages	Moisture (LOQ=0.50 g/100g)	Inhouse method

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Juices and Beverages	Ash (LOQ=0.40 g/100g)	AOAC 920.67
Chemical Analysis	Juices and Beverages	Protein (LOQ=0.20 g/100g)	AOAC 920.87
Chemical Analysis	Juices and Beverages	Fat (LOQ=0.50 g/100g)	AOAC 989.05
Chemical Analysis	Juices and Beverages	pH	AOAC 981.12
Chemical Analysis	Juices and Beverages	Carbohydrates (Calculations based on accredited test methods only)	FAO-77 (2003) ISSN 0254-4725
Chemical Analysis	Juices and Beverages	Energy (Calculations based on accredited test methods only)	FAO-77 (2003) ISSN 0254-4725
Chemical Analysis	Juices and Beverages	Preservatives (Benzoic acid) in Juices only (LOQ=5.00 mg/L)	AOAC 994.11

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Juices and Beverages	Total Solids Content (LOQ=0.01 g/100mL)	IS 873-1974
Chemical Analysis	Juices and Beverages	Sulfur dioxide	In-house method CH-SOP-16
Chemical Analysis	Juices and Beverages	Heavy Metals: Lead (LOQ=0.10 mg/L) Cadmium (LOQ=0.10 mg/L) Tin (LOQ=0.10 mg/L)	In-house method CH-SOP-40
Chemical Analysis	Edible oil	Determination of Color of Fats and Oil, Lovibond (ISO Method) Lovibond Method Using Color Glasses Calibrated in Accordance with the Lovibond Tintometer Color Scale R: Up to 2.0 Y: Up to 5.5	AOCS Cc 13e-92

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Edible oil	Determination of Moisture	AOAC 984.20
Chemical Analysis	Edible oil	Determination of Iodine value	AOAC 993.20
Chemical Analysis	Edible oil	Determination of Free Fatty Acid	AOAC 940.28
Chemical Analysis	Edible oil	Determination of Peroxide value	AOAC 965.33
Chemical Analysis	Edible oil	Determination of Saponification value	AOAC 920.160
Chemical Analysis	Edible oil	Fatty Acid Methyl Esters (FAME): Butyric Acid(C4:0)	AOAC 969.33
Chemical Analysis	Edible oil	Determination of Un-saponifiable Matter	AOAC 933.08
Chemical Analysis	Edible oil	Caproic Acid(C6:0)	AOAC 933.08

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Edible oil	Caprylic Acid(C8:0)	AOAC 933.08
Chemical Analysis	Edible oil	Capric Acid (C10:0)	AOAC 933.08
Chemical Analysis	Edible oil	Undecanoic Acid (C11:0)	AOAC 933.08
Chemical Analysis	Edible oil	Lauric Acid(C12:0)	AOAC 933.08
Chemical Analysis	Edible oil	Tridecanoic Acid (C13:0)	AOAC 933.08
Chemical Analysis	Edible oil	Myristic Acid (C14:0)	AOAC 933.08
Chemical Analysis	Edible oil	Myristoleic Acid (C14:1)	AOAC 933.08
Chemical Analysis	Edible oil	Pentadecanoic Acid(C15:0)	AOAC 933.08
Chemical Analysis	Edible oil	cis-10-Pentadecanoic Acid (C15:1)	AOAC 933.08

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Edible oil	Palmitoleic Acid (C16:1)	AOAC 933.08
Chemical Analysis	Edible oil	Heptadecanoic Acid (C17:0)	AOAC 933.08
Chemical Analysis	Edible oil	cis-10-Heptadecanoic Acid (C17:1)	AOAC 933.08
Chemical Analysis	Edible oil	Linoelaidic Acid (18:2)	AOAC 933.08
Chemical Analysis	Edible oil	Fatty Acid Methyl Esters (FAME): gama-Linolenic Acid (C18:3)	AOAC 969.33
Chemical Analysis	Edible oil	cis-11,14 Eicosdenoic acid	AOAC 969.33
Chemical Analysis	Edible oil	Arachidic Acid (C20:0)	AOAC 969.33
Chemical Analysis	Edible oil	Behenic Acid (C22:0)	AOAC 969.33

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Edible oil	cis-8,11,14-Eicosatrenoic Acid (C20:3)	AOAC 969.33
Chemical Analysis	Edible oil	cis-11,14,1 Eicosatrenoic Acid (C20:3)	AOAC 969.33
Chemical Analysis	Edible oil	Erucic Acid(C22:1) 23.Arachidonic Acid (C20:4)	AOAC 969.33
Chemical Analysis	Edible oil	Tricosanoic Acid (C23:0)	AOAC 969.33
Chemical Analysis	Edible oil	cis-13,16-Docosadenoic Acid (C22:2)	AOAC 969.33
Chemical Analysis	Edible oil	Lignoceric Acid (C24:0)	AOAC 969.33
Chemical Analysis	Edible oil	cis-5,8,11,14,17-Eicosapentanoic Acid (C20:5)	AOAC 969.33

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Edible oil	Nervonic Acid (C24:1)	AOAC 969.33
Chemical Analysis	Edible oil	Fatty Acid Methyl Esters (FAME): cis-4,7,10,13,16,19-Docosahexanoic (C22:6)	AOAC 969.33
Chemical Analysis	Edible oil	cis-11-Eicosanoate Acid (C20:1)	AOAC 969.33
Chemical Analysis	Edible oil	Heavy metals: Lead (LOQ=0.10 mg/kg) Arsenic (LOQ=0.10 mg/kg)	In-house method CH-SOP-41
Chemical Analysis	Refined vegetable oil	Soap content (LOQ=0.025 %)	AOCS CC 17-95
Chemical Analysis	Oily Seeds	Free Fatty Acid (LOQ=0.15 g/100g)	AOCS Ac 5-41
Chemical Analysis	Oily Seeds	Moisture (LOQ=0.030 g/100g)	AOCS Ac 2-41

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Oily Seeds	Ash (LOQ=0.25 g/100g)	AOCS Ba 5a-49
Chemical Analysis	Oily Seeds	Protein (LOQ=2.00 g/100g)	AOAC 920.87/991.29
Chemical Analysis	Confectionery products	Moisture (LOQ=0.50 g/100g)	AOAC 968.11
Chemical Analysis	Confectionery products	pH	AOAC 945.27
Chemical Analysis	Confectionery products	Acid insoluble Ash (LOQ=0.50 g/100g)	IS 12711-1989
Chemical Analysis	Confectionery products	Fat (LOQ=0.50 g/100g)	AOAC 989.05
Chemical Analysis	Confectionery products	Peroxide Value (LOQ=0.50 mg/KOH100mL)	AOAC 965.33/920.39/ Food Manual
Chemical Analysis	Confectionery products	Protein (LOQ=0.25 g/100g)	AOAC 920.87

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Confectionery products	Sugar:	
Chemical Analysis	Confectionery products	Fructose (LOQ=500 ug/kg)	AOAC 980.13
		Glucose (LOQ=500 ug/kg)	
		Sucrose (LOQ=500 ug/kg)	
		Maltose (LOQ=500 ug/kg)	
		Lactose (LOQ=500 ug/kg)	
Chemical Analysis	Confectionery products	Caffeine (LOQ=1.00 mg/kg)	Inhouse method CH-SOP-26
Chemical Analysis	Confectionery products	Ash (LOQ=0.50 g/100g)	AOAC 920.23

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Confectionery products	Heavy Metals: Lead (LOQ=0.10 mg/kg) Copper (LOQ=0.10 mg/kg) Zinc (LOQ=0.10 mg/kg)	CH-SOP-35
Chemical Analysis	All normal animal and vegetable fat	Melting point (LOQ=1.20 °C)	AOCS Cc 1-25
Chemical Analysis	Palm oil, hard fats, palm kernal oil, coconut oil, hydrogenated fats, hard tallows	Slip melting point (LOQ=0.30 °C)	AOCS Cc 3-25
Chemical Analysis	All normal fat and oil	Insoluble impurities (LOQ=0.005 %)	AOCS Ca 3a-46
Chemical Analysis	Raw Sugar	Polarization (LOQ=2.00 °Z)	ICUMSA GS 1/2/3-21
Chemical Analysis	Raw Sugar	Moisture (LOQ=0.10 g/100g)	ICUMSA GS 2/1/3/9-2015
Chemical Analysis	Raw Sugar	Sulphated Ash (LOQ=0.50 g/100g)	ICUMSA GS1-10

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Raw Sugar	Conductivity ash (LOQ=0.15 g/100g)	ICUMSA GS1/3/4/7/8-13
Chemical Analysis	Raw Sugar	pH (LOQ=0.30 pH)	ICUMSA GS1/2/3/4/7/8/9-23
Chemical Analysis	Raw Sugar	Color (LOQ=110 IU)	ICUMSA GS1/3-7
Chemical Analysis	Raw Sugar	Reducing Sugar (LOQ=0.35 g/100g)	ICUMSA GS 1/3/7-230
Chemical Analysis	White Sugar	Polarization (LOQ=0.10 °Z)	ICUMSA GS 1/2/3-21
Chemical Analysis	White Sugar	Moisture (LOQ=0.10 g/100g)	ICUMSA GS 2/1/3/9-2015
Chemical Analysis	White Sugar	Conductivity ash (LOQ=0.15 g/100g)	ICUMSA GS1/3/4/7/8-13
Chemical Analysis	White Sugar	pH (LOQ=0.30 pH)	ICUMSA GS1/2/3/4/7/8/9-23
Chemical Analysis	White Sugar	Color (LOQ=25.00 IU)	ICUMSA GS1/3-7

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	White Sugar	Reducing Sugar (LOQ=0.50 g/100g)	ICUMSA GS 1/3/7-232
Chemical Analysis	Fruits & Vegetables	Pesticide Residues Analysis (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	3-Hydroxycarbofuran. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Acephate (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Acetamiprid (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Acibenzolar-S-methyl. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Aldicarb-sulfone (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Aldicarb-sulfoxide (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Ametryn (LOQ=0.01 mg/kg)	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Aminocarb (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Azoxystrobin (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Benalaxy (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Bendiocarb (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pesticide Residues Analysis (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Benfuracarb (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Benzoximate (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Bifenazate (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Bitertanol (LOQ=0.01 mg/kg)	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Boscalid (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Bromuconazole (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Bufencarb (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Bupirimate (LOQ=0.01 mg/kg)	AOAC 2007.01 (LOQ=0.01 mg/kg)
Chemical Analysis	Fruits & Vegetables	Buprofezin (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Butafenacil (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Butoxycarboxim (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Carbaryl (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Carbendazim (LOQ=0.01 mg/kg)	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Carbetamide (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Carbofuran. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Carboxin. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pesticide Residues Analysis (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Carfentrazone-ethyl (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Chlorantraniliprole (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Chlorfluazuron. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Chlorotoluron. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Chloroxuron. (LOQ=0.01 mg/kg)	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Chlortoluron (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Clethodim (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Clofentezine (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Clothianidin (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Cyazofamid (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Cycluron. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Cymoxanil (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Cyproconazole (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Cyprodinil. (LOQ=0.01 mg/kg)	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Cyromazine (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Desmedipham (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pesticide Residues Analysis	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Dicrotophos. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Diethofencarb (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Difenoconazole (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Diflubenzuron. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Dimethoate. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Dimethomorph (LOQ=0.01 mg/kg)	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Dimoxystrobin. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Diniconazole (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Dinotefuran (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Dioxacarb (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Diuron. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Epoxiconazole (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Etaconazole (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Ethiofencarb (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Ethiprole. (LOQ=0.01 mg/kg)	AOAC 2007.01

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Chemical Analysis	Fruits & Vegetables	Ethirimol. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pesticide Residues Analysis (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Ethofumesate. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Etoxazole (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Famoxadone. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Fenamidone (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Fenarimol. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Fenzaquin. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Fenbuconazole (LOQ=0.01 mg/kg)	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Fenhexamid. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Fenobucarb. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Fenoxycarb (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Fenpropimorph (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Fenpyroximate (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Fenuron (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Flonicamid (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Fluazinam. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Fludioxinil (LOQ=0.01 mg/kg)	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Pesticide Residues Analysis (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Flufenacet (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Flufenoxuron. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Fluometuron. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Fluoxastrobin. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Fluquinconazole. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Flusilazole. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Flutolanil. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Flutriafol (LOQ=0.01 mg/kg)	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Forchlorfenuron. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Formetanate HCl. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Fuberidazole. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Furalaxyl (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Furathiocarb. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Hexaconazole. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Hexaflumuron. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Hexythiazox (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pesticide Residues Analysis	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Imazalil. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Imidacloprid. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Indoxacarb (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Ipconazole (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Iprovalicarb (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Isoprocarb (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Isoproturon. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Kresoxim-methyl. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Linuron. (LOQ=0.01 mg/kg)	AOAC 2007.01

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Chemical Analysis	Fruits & Vegetables	Lufenuron. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Mandipropamid. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Mefenacet (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Mepanipyrim. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Mepronil. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Mesotrione. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Metaflumizone. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pesticide Residues Analysis	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Metalaxyl. (LOQ=0.01 mg/kg)	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Metconazole (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Methabenzthiazuron (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Methamidophos. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Methiocarb. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Methomyl. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Methoprotryne. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Metobromuron (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Metribuzin. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Mevinphos (LOQ=0.01 mg/kg)	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Mexacarbate. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Monocrotophos. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Monolinuron. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Myclobutanil. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Neburon. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Nitenpyram. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pesticide Residues Analysis (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Novaluron. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Nuarimol. (LOQ=0.01 mg/kg)	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Omethoate. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Oxadixyl. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Oxamyl. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Paclobutrazol. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Penconazole. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pencycuron (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Picoxystrobin. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Piperonyl butoxide. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pirimicarb. (LOQ=0.01 mg/kg)	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Prochloraz. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Promecarb. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Prometon. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Prometryne. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Propamocarb. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pesticide Residues Analysis (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Propargite. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Propham. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Propiconazole (LOQ=0.01 mg/kg)	AOAC 2007.01

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Chemical Analysis	Fruits & Vegetables	Propoxur. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Prothioconazole. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pymetrozine. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pyracarbolid. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pyraclostrobin. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pyridaben. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pyrimethanil. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pyriproxyfen. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Quinoxifen. (LOQ=0.01 mg/kg)	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Rotenone. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Secbumeton. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Siduron. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Simetryn. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pesticide Residues Analysis (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Spinetoram. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Spinosad (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Spirodiclofen. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Spiromesifen. (LOQ=0.01 mg/kg)	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Spirotetramat. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Spiroxamine (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Sulfentrazone. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Tebuconazole. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Tebufenozide. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Tebufenpyrad. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Tebuthiuron. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Teflubenzuron. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Temephos. (LOQ=0.01 mg/kg)	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Terbumeton. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Terbutryn. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Tetraconazole. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pesticide Residues Analysis (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Thiabendazole. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Thiacloprid. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Thiamethoxam. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Thidazuron (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Thiophanate-methyl. (LOQ=0.01 mg/kg)	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Trichlorfon. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Tricyclazole. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Triadimefon. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Triadimenol. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Trifloxystrobin. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Triflumizole. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Triflururon. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Pesticide Residues Analysis	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Triticonazole. (LOQ=0.01 mg/kg)	AOAC 2007.01

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Fruits & Vegetables	Vamidothion. (LOQ=0.01 mg/kg)	AOAC 2007.01
Chemical Analysis	Fruits & Vegetables	Zoxamide. (LOQ=0.01 mg/kg)	AOAC 2007.01

Accreditation History		
Issue no.	Details	Date
10	Re-issued to comply with the new accreditation number format	26-10-2021
09	Extension in scope	09/02/2020
08	Renewal accreditation and transition to ISO 17025:2017	09/01/2020
07	First issuance under the name of EIAC (which was formerly known as DAC)	15/09/2019

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Food Contact Testing

LB-TEST-025

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Issue no.: 05

Date: 26-10-2021

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Plastics	Materials and articles in contact with foodstuffs. Plastics Part 1: Guide to the selection of conditions and test methods for overall migration: Part 3: Test methods for overall migration into aqueous food simulants by total immersion Part 5: Test methods for overall migration into aqueous food simulants by cell - Distilled water (LOQ=1.1mg/dm ²)	BS EN 1186 Part 1 BS EN 1186 Part 3 BS EN 1186 Part 5

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Issue no.: 05

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Plastics	Materials and articles in contact with foodstuffs. Plastics Part 1: Guide to the selection of conditions and test methods for overall migration: Part9: Test methods for overall migration into aqueous food simulants by article filling: - Distilled water (LOQ=6.5 mg/kg) - Ethanol (LOQ=5 mg/kg) - Acetic Acid (LOQ=7.3 mg/kg)	BS EN 1186 Part 1 BS EN 1186 Part 9

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Valid to: 13-11-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Plastics	Materials and articles in contact with foodstuffs. Plastics Part 1: Guide to the selection of conditions and test methods for overall migration: Part 2: Test methods for overall migration into olive oil by total immersion Part 4: Test methods for overall migration into olive oil by cell:	BS EN 1186 Part 1 BS EN 1186 Part 2 BS EN 1186 Part 4
Chemical Analysis	Plastic- Utensils	Heavy Metals	
Chemical Analysis	Plastic- Utensils	Barium (LOQ=0.008 mg/dm ²)	BS EN-1186 Part 1 BS EN-1186 Part 3

Accreditation Scope

Food Contact Testing

LB-TEST-025

Geo Chem Middle East

Plot No: TP/010305, National Industries Park, Jebel Ali

Dubai- United Arab Emirates

Issue no.: 05

Date: 26-10-2021

Valid to: 13-11-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Plastic- Utensils	Cobalt (LOQ=0.005 mg/dm ²)	BS EN 1186 Part 9 EU No 10/2011, Regulation (EC)
Chemical Analysis	Plastic- Utensils	Copper (LOQ=0.015 mg/dm ²)	No 282/2008 APHA 3120 B and BS EN 12498
Chemical Analysis	Plastic- Utensils	Iron (LOQ=0.019 mg/dm ²)	No 282/2008 APHA 3120 B and BS EN 12498
Chemical Analysis	Plastic- Utensils	Lithium (LOQ=0.015 mg/dm ²)	No 282/2008 APHA 3120 B and BS EN 12498
Chemical Analysis	Plastic- Utensils	Manganese (LOQ=0.010 mg/dm ²)	No 282/2008 APHA 3120 B and BS EN 12498

Accreditation Scope

Food Contact Testing

LB-TEST-025

Geo Chem Middle East

Plot No: TP/010305, National Industries Park, Jebel Ali

Dubai- United Arab Emirates

Issue no.: 05

Date: 26-10-2021

Valid to: 13-11-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Plastic- Utensils	Zinc (LOQ=0.008 mg/dm ²)	No 282/2008 APHA 3120 B and BS EN 12498
Chemical Analysis	Utensils, Containers laminates	Determination of Specific migration of heavy metals by ICP-OES: - Cr (LOQ = 50µg/Kg) - Hg (LOQ = 1µg/Kg)	In-house method Hong Kong Standard, HS-1003

Accreditation History		
Issue no.	Details	Date
05	Re-issued to comply with the new accreditation number format	26-10-2021
04	Renewal accreditation and transition to ISO 17025:2017	09/01/2020
03	First issuance under the name of EIAC (which was formerly known as DAC)	15/09/2019

Accreditation Scope
Environmental Testing

LB-TEST-021

Geo Chem Middle East

Plot No: TP/010305, National Industries Park, Jebel Ali

Dubai- United Arab Emirates

Issue no.: 13

Date: 26-10-2021

Valid to: 13-11-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Water / Waste Water	Turbidity	APHA 2130 B
Chemical Analysis	Water / Waste Water	Total Hardness	APHA 2340 B
Chemical Analysis	Water / Waste Water	Total Alkalinity	APHA 2320 B
Chemical Analysis	Water / Waste Water	pH	APHA 4500 H ⁺ B
Chemical Analysis	Water / Waste Water	Total Suspended solids	APHA 2540 D
Chemical Analysis	Water / Waste Water	Total Dissolved solids	APHA 2540 C
Chemical Analysis	Water / Waste Water	Oil and Grease	APHA 5520 B
Chemical Analysis	Water / Waste Water	Metals: Cu, Cd, Zn, Ni, Cr, Pb, Co, Mn, Ag, Fe	APHA 3120 B
Chemical Analysis	Water / Waste Water	Biochemical Oxygen Demand	APHA 5210 B

Accreditation Scope
Environmental Testing

LB-TEST-021

Geo Chem Middle East

Plot No: TP/010305, National Industries Park, Jebel Ali

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Issue no.: 13

Date: 26-10-2021

Valid to: 13-11-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Water / Waste Water	Chemical Oxygen Demand	APHA 5220 B APHA 5220 D
Chemical Analysis	Water / Waste Water	Volatile Organic Compounds (BTEX): 1. Benzene 2. Toluene) 3. Ethyl Benzene) 4. m& p-Xylene 5. o-Xylene	USEPA 8260 B
Chemical Analysis	Water / Waste Water	Arsenic	APHA 3120 B
Chemical Analysis	Water / Waste Water	Selenium	APHA 3120 B
Chemical Analysis	Water / Waste Water	Mercury	In-house method GC-SOP-169
Chemical Analysis	Water / Waste Water	Free oil	In-house method GC-SOP-168
Chemical Analysis	Water / Waste Water	Sulphate	APHA 4500 SO ₄ ²⁻ C
Chemical Analysis	Water / Waste Water	pH	APHA 4500 H+B
Chemical Analysis	Water / Waste Water	Ammonia (LOQ=0.05 mg/L)	APHA 4500 _{NH3} B,C HACH 8139

Accreditation Scope
Environmental Testing
LB-TEST-021

Geo Chem Middle East

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Water / Waste Water	Ammoniacal Nitrogen (LOQ=5.00 mg/L) (LOQ=0.05 mg/L)	APHA 4500B,C HACH 8139
Chemical Analysis	Water / Waste Water	Total Nitrogen (LOQ=1.00 mg/L)	APHA 4500N _{Org} B (Calculation)
Chemical Analysis	Water / Waste Water	Total Organic Nitrogen (LOQ=1.00 mg/L)	APHA 4500N _{Org} B APHA 4500NH ₃ B,C
Chemical Analysis	Water / Waste Water	Total Kjeldahl Nitrogen (LOQ=1.00 mg/L)	APHA 4500N _{Org} B
Chemical Analysis	Water / Waste Water	Silica (Heteropoly Blue Method) (LOQ=0.10 mg/L)	APHA 3120 D
Chemical Analysis	Water / Waste Water	Sulphides and Hydrogen sulphides (LOQ=0.40 mg/L)	APHA 4500 S2-F
Chemical Analysis	Water / Waste Water	Phosphorus/Phosphate (LOQ=0.30 mg/L)	APHA 4500 P-B-C, HACH 8114

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Water / Waste Water	Nitrate (LOQ=0.05 mg/L)	APHA 4500 NO3B
Chemical Analysis	Water / Waste Water	Fluoride (LOQ=0.05 mg/L)	APHA 4500 F-D
Chemical Analysis	Water / Waste Water	Sulphite (LOQ=0.04 mg/L)	APHA 4500 SO3-B
Chemical Analysis	Water / Waste Water	Phenol (LOQ= 0.02mg/L)	APHA 5530 C
Chemical Analysis	Swimming Pool	Calcium Hardness	APHA 2340 C
Chemical Analysis	Swimming Pool	Free Chlorine	APHA 4500 Cl.G
Chemical Analysis	Swimming Pool	Total Chlorine	APHA 4500 Cl.G
Chemical Analysis	Swimming Pool	Temperature	APHA 2550 B
Chemical Analysis	Swimming Pool	Cyanuric Acid (LOQ=1.0 mg/L)	CH-SOP-143 HACH 8139

Accreditation Scope
Environmental Testing
LB-TEST-021

Geo Chem Middle East

Plot No: TP/010305, National Industries Park, Jebel Ali

Dubai- United Arab Emirates

Issue no.: 13

Date: 26-10-2021

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Swimming Pool	Total Alkalinity	APHA 2320 B
Chemical Analysis	Swimming Pool	Langlier Saturation Index (Its calculate the parameters of PH, Temperature, Calcium Harness and Alkalinity test methods)	APHA 4500 H+B APHA 2340 C APHA 2550 B APHA 2320 B
Chemical Analysis	Swimming Pool	Total Dissolved solids	APHA 2540 C
Chemical Analysis	Soil & Sediment	Volatile Organic Compounds (BTEX) 1. Benzene 2. Toluene 3. Ethyl Benzene 4. m& p-Xylene 5. o-Xylene	USEPA 8260 B

Accreditation Scope
Environmental Testing
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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Soil & Sediment	Heavy metals by ICP-OES: Cd, Cr, Cu, Pb, Fe, Ni, Mn, Zn	In-house method GC-SOP 163
Chemical Analysis	Soil & Sediment & Sludge	pH	USEPA 9045 D
Chemical Analysis	Soil & Sediment & Sludge	Hexane extractable matter	USEPA 9071 B
Chemical Analysis	Soil & Sediment & Sludge	Total Solids	APHA 2540 G
Chemical Analysis	Soil & Sediment & Sludge	Fixed Solids	APHA 2540 G
Chemical Analysis	Soil & Sediment & Sludge	Volatile Solids	APHA 2540 G
Chemical Analysis	Soil & Sediment & Sludge	Moisture	APHA 2540 G

Accreditation Scope
Environmental Testing
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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Soil & Sediment & Sludge	Leaching metals by ICP-OES (Cadmium, Chromium, Copper, Lead, Iron, Nickel, Manganese, Zinc)	In-house method GC-SOP-174
Microbiology	Water	Enumeration of Legionella Matrix A: Water with low background Matrix B: Water with high background	ISO 11731 Matrix A: Procedures 5, 7 Matrix B: Procedures 8, 9, 10
Microbiology	Water	Total Plate Count	APHA 9215 B
Microbiology	Swab	Staphylococcus Aureus	CCFRA 3.5.1
Microbiology	Swab	Total Plate Count	CCFRA 1.1.1
Microbiology	Swab	E.coli	USFDA Chapter 4

Accreditation Scope
Environmental Testing
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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Sea Water	Total Coliforms	APHA 9222B
Microbiology	Sea Water	E. coli	APHA 9222B
Microbiology	Sea Water	Fecal coliform	APHA 9222D
Microbiology	Sea Water	Enterococci	APHA 9230C
Microbiology	Sea Water	Heterotrophic Plate Count	APHA 9215 D
Microbiology	Sea Water	Total Plat Count	APHA 9215 B
Microbiology	Sea Water	Total Coliforms	APHA 9222B
Microbiology	Sea Water	Pseudomonas Aeruginosa	APHA 9213 E
Microbiology	Sea Water	Staphylo Coccus aureus	APHA 9213 B

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Environmental Testing
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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Sea Water	Salmonella	APHA 9260 B
Microbiology	Sea Water	Vibro Cholera	In-house method QA/ML/SOP 03
Microbiology	Swimming pool Water/Spa Baths/Waste Water	Heterotrophic Plate Count	APHA 9215D
Microbiology	Swimming pool Water/Spa Baths/Waste Water	Total Plate Count	APHA 9215 B
Microbiology	Swimming pool Water/Spa Baths/Waste Water	Total Coliforms	APHA 9222B
Microbiology	Swimming pool Water/Spa Baths/Waste Water	E.Coli	APHA 9222B

Accreditation Scope
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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Swimming pool Water/Spa Baths/Waste Water	Pseudomonas Aeruginosa	APHA 9213E
Microbiology	Swimming pool Water/Spa Baths/Waste Water	Fecal Streptococcus	APHA 9230C
Microbiology	Swimming pool Water/Spa Baths/Waste Water	Fecal Coliform	APHA 9222D
Microbiology	Swimming pool Water/Spa Baths/Waste Water	Staphylococcus Aureus	APHA 9213B
Microbiology	Swimming pool Water/Spa Baths/Waste Water	Salmonella	APHA 9260B

Accreditation Scope
Environmental Testing
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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Swimming pool Water/Spa Baths/Waste Water	Vibro Cholera	In-house method QA/ML/SOP 03
Microbiology	Potable Water/Bottled Drinking water/Un- bottled Drinking water	Total Plat Count	APHA 9215 B
Microbiology	Potable Water/Bottled Drinking water/Un- bottled Drinking water	Heterotrophic Plate Count	APHA 9215D
Microbiology	Potable Water/Bottled Drinking water/Un- bottled Drinking water	Total Coliforms	APHA 9222B
Microbiology	Potable Water/Bottled Drinking water/Un- bottled Drinking water	E.Coli	APHA 9222B

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Potable Water/Bottled Drinking water/Un-bottled Drinking water	Pseudomonas Aeruginosa	APHA 9213E
Microbiology	Potable Water/Bottled Drinking water/Un-bottled Drinking water	Fecal Streptococcus	APHA 9230C
Microbiology	Potable Water/Bottled Drinking water/Un-bottled Drinking water	Fecal Coliform	APHA 9222 D
Chemical Analysis	Drinking water/Potable Water	Fluoride (LOQ=0.20 mg/L)	APHA 4110 B
Chemical Analysis	Drinking water/Potable Water	Nitrate (LOQ=0.50 mg/L)	APHA 4110 B
Chemical Analysis	Drinking water/Potable Water	Hydroxide calculated Based on accredited of total Alkalinity	APHA 2320B

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Drinking water/Potable Water	Heavy Metals: Molybdenum (LOQ=0.05 mg/L)	APHA 3120 B
Chemical Analysis	Drinking water/Potable Water	Tin (LOQ=0.05 mg/L)	APHA 3120 B
Chemical Analysis	Drinking water/Potable Water	Vanadium (LOQ=0.05 mg/L)	APHA 3120 B
Chemical Analysis	Drinking water/Potable Water	Aluminum (LOQ=0.05 mg/L)	APHA 3120 B
Chemical Analysis	Sludge For Disposal/ Oily Sludge	Heavy Metals Mercury (LOQ=0.001 mg/L)	In-house test method (CH-SOP-159)
Chemical Analysis	Sludge For Disposal/ Oily Sludge	Selenium (LOQ=0.10 mg/L)	In-house test method (CH-SOP-42)
Chemical Analysis	Sludge For Disposal/ Oily Sludge	Silver (LOQ=0.10 mg/L)	In-house test method (CH-SOP-42)
Chemical Analysis	Sludge For Disposal/ Oily Sludge	Tin (LOQ=0.10 mg/L)	In-house test method (CH-SOP-42)
Chemical Analysis	Sludge For Disposal/ Oily Sludge	Arsenic (LOQ=0.10 mg/L)	USEPA 1311 (ICP OES)

Accreditation Scope

Environmental Testing

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Sludge For Disposal/ Oily Sludge	Cadmium (LOQ=0.10 mg/L)	USEPA 1311 (ICP OES)
Chemical Analysis	Sludge For Disposal/ Oily Sludge	Chromium (LOQ=0.10 mg/L)	USEPA 1311 (ICP OES)
Chemical Analysis	Sludge For Disposal/ Oily Sludge	Copper (LOQ=0.10 mg/L)	USEPA 1311 (ICP OES)
Chemical Analysis	Sludge For Disposal/ Oily Sludge	Lead (LOQ=0.10 mg/L)	USEPA 1311 (ICP OES)
Chemical Analysis	Sludge For Disposal/ Oily Sludge	Manganese (LOQ=0.10 mg/L)	USEPA 1311 (ICP OES)
Chemical Analysis	Sludge For Disposal/ Oily Sludge	Nickel (LOQ=0.10 mg/L)	USEPA 1311 (ICP OES)
Chemical Analysis	Sludge For Disposal/ Oily Sludge	Selenium (LOQ=0.10 mg/L)	USEPA 1311 (ICP OES)
Chemical Analysis	Sludge For Disposal/ Oily Sludge	Silver (LOQ= 0.10mg/L)	USEPA 1311 (ICP OES)
Chemical Analysis	Sludge For Disposal/ Oily Sludge	Zinc (LOQ=0.10 mg/L)	USEPA 1311 (ICP OES)
Chemical Analysis	Sludge For Disposal/ Oily Sludge	Cobalt (LOQ=0.10 mg/L)	USEPA 1311 (ICP OES)

Accreditation Scope
Environmental Testing

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Geo Chem Middle East

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Sludge For Disposal/ Oily Sludge	Tin (LOQ= 0.10 mg/L)	USEPA 1311 (ICP OES)
Chemical Analysis	Waste Chemical	Heavy Metals Arsenic (LOQ=0.05 mg/kg)	SOP No. 44 (ICP OES)
Chemical Analysis	Waste Chemical	Cadmium (LOQ=0.05 mg/kg)	SOP No. 44 (ICP OES)
Chemical Analysis	Waste Chemical	Chromium (LOQ=0.05 mg/kg)	SOP No. 44 (ICP OES)
Chemical Analysis	Waste Chemical	Copper (LOQ=0.05 mg/kg)	SOP No. 44 (ICP OES)
Chemical Analysis	Waste Chemical	Iron (LOQ=0.05 mg/kg)	SOP No. 44 (ICP OES)
Chemical Analysis	Waste Chemical	Lead (LOQ=0.05 mg/kg)	SOP No. 44 (ICP OES)
Chemical Analysis	Waste Chemical	Manganese (LOQ=0.05 mg/kg)	SOP No. 44 (ICP OES)
Chemical Analysis	Waste Chemical	Mercury (LOQ=0.05 mg/kg)	SOP No. 44 (ICP OES)
Chemical Analysis	Waste Chemical	Nickel (LOQ=0.05 mg/kg)	SOP No. 44 (ICP OES)

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Geo Chem Middle East

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Waste Chemical	Selenium (LOQ=0.05 mg/kg)	SOP No. 44 (ICP OES)
Chemical Analysis	Waste Chemical	Silver (LOQ=0.05 mg/kg)	SOP No. 44 (ICP OES)
Chemical Analysis	Waste Chemical	Zinc (LOQ=0.05 mg/kg)	SOP No. 44 (ICP OES)
Chemical Analysis	Waste Chemical	Cobalt (LOQ=0.05 mg/kg)	SOP No. 44 (ICP OES)
		Tin (LOQ=0.05 mg/kg)	SOP No. 44 (ICP OES)
Microbiology	Potable Water/Botteled	Staphylo Coccus aureus	APHA 9213 B
Microbiology	Drinking water/Un-botteled Drinking water	Salmonella	APHA 9260 B
Microbiology		Yeast and mould	APHA 9610 D
Microbiology	Fuel and Fuel components	Viable microbial count	In-house method GC-SOP-179
Microbiology	Indoor Air Quality	Yeasts and Molds	In-house method GC-SOP-177
Microbiology		Total Bacterial Count	In-house method GC-SOP-177
Microbiology	Oily and Oil based water and Water	Sulfate reducing bacteria	In-house method GC-SOP-109

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Waste Water	Quantification of Nematode (Helminth) Ova	In-house method QA/ML SOP 06
Sampling	Ice, Water, Potable Water, Swimming pool water and waste water	Sampling of water samples to undertake microbiological parameters	APHA 9060 A, B
Sampling	Water	Sampling for Legionella bacteria in water systems. Code of practice Section 2: Routine sampling	BS 7592 Section 2

Accreditation Scope
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Type of Activity	Test Materials/Products	Test Name	Test Method
Sampling	Waste Water	Sampling and sample handling	DMS11 APHA 1060

Accreditation History		
Issue no.	Details	Date
13	Re-issued to comply with the new accreditation number format	26-10-2021
12	Extension in scope	09/02/2020
11	Renewal accreditation and transition to ISO 17025:2017	09/01/2020
10	First issuance under the name of EIAC (which was formerly known as DAC)	15/09/2019

Accreditation Scope

Cosmetic Testing

LB-TEST-021

Geo Chem Middle East

Plot No: TP/010305, National Industries Park, Jebel Ali

Dubai- United Arab Emirates

Issue no.: 07

Date: 26-10-2021

Valid to: 13-11-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical test	Cosmetics	Determination of Lead	In-house method GC-SOP 51 (ICP)
Chemical test	Cosmetics	Determination of Cobalt	In-house method GC-SOP 51 (ICP)
Chemical test	Cosmetics	Determination of Chromium	In-house method GC-SOP 51 (ICP)
Chemical test	Cosmetics	Determination of Cadmium	In-house method GC-SOP 51 (ICP)
Chemical test	Cosmetics	Determination of Mercury	In-house method GC-SOP 50 (Mercury Detector)
Chemical test	Cosmetics	Heavy metals by ICP-OES	In-house method GC-SOP 50 (Mercury Detector)
Chemical test	(Lipstick powder and Lipgloss)	Pb (LOQ= 25ug/kg)	In-house method GC-SOP 51
Chemical test	(Lipstick powder and Lipgloss)	Co (LOQ= 25ug/kg)	In-house method GC-SOP 52
Chemical test	(Lipstick powder and Lipgloss)	Cr (LOQ= 25ug/kg)	In-house method GC-SOP 53

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Cosmetic Testing

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Issue no.: 07

Date: 26-10-2021

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical test	(Lipstick powder and Lipgloss)	Cd (LOQ= 25ug/kg)	In-house method GC-SOP 54
Chemical test	(Lipstick powder and Lipgloss)	Hg (LOQ= 5ug/kg)	In-house method GC-SOP 50
Chemical test	Cosmetics (Shampoo)	1,4-Dioxane (LOQ=10 ppm)	In-house method GC-SOP 172
Microbiological Test	Cosmetics	Enumeration of Yeasts and Moulds	FDA/ BAM chapter 23
		Enumeration of Pseudomonas aeruginosa	FDA/ BAM chapter 23
Microbiological Test	Cosmetics (Including personal care, child care products and lotions)	Enumeration of Staphylococcus aureus	FDA/ BAM chapter 23
		Total Bacterial Count	FDA/ BAM chapter 23
		Enumeration of Enterobacteriaceae	FDA/ BAM chapter 23

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Cosmetic Testing

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiological Test	Cosmetics (Including personal care, child care products and lotions)	Detection of Poracine contamination by Real Time Polymerase chain reaction	In-house method QA/ML SOP14 Using Kogene Power Check Speciation Kit
Microbiological Test	Absorbent Material (Sanitary towels and Diapers	Detection of Staphylococcus aureus	In-house method QA/ML SOP 12
		Detection of Enterobacteriaceae	In-house method QA/ML SOP 12
		Detection of Pseudomonas aeruginosa	In-house method QA/ML SOP 12
		Total Aerobic Colony Count	In-house method QA/ML SOP 12
Chemical Analysis	Lip Stick & Nail Polish	Heavy metals	
		Lead (LOQ=0-025 mg/Kg)	In House Method CH-SOP-30
		Arsenic (LOQ=0-025 mg/Kg)	In House Method CH-SOP-22

Accreditation Scope

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Lip Stick	Softening Point	GSO 1872/2001
Chemical Analysis	Hair Shampoo	Active matter	GSO395/2010
Chemical Analysis	Hair Shampoo	Non volatile alcohol soluble matter	GSO395/2010
Chemical Analysis	Shampoo	pH	GSO395/1994
Chemical Analysis	Skin Cream	pH	GSO 1153:2010
Chemical Analysis	Skin Cream	Total Fatty Matter	GSO 1153:2010
Chemical Analysis	Skin Cream	Water Content	GSO 1153:2010
Chemical Analysis	Shaving Cream	Water Insoluble Matter	GSO 1116:2002
Chemical Analysis	Shaving Cream	Heavy Metals	
		Cadmium (LOQ=0.025 mg/kg)	In House Method CH-SOP-28

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Cosmetic Testing

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Shaving Cream	Heavy Metals	
		Chromium (LOQ=0.025 mg/kg)	In House Method CH-SOP-28
		Cobalt(LOQ=0.025mg/kg)	In House Method CH-SOP-28
		Nickel(LOQ=0.025 mg/kg)	In House Method CH-SOP-28
		Lead(LOQ=0.025 mg/kg)	In House Method CH-SOP-28
Chemical Analysis	Soap and Soap products	Moisture	AOCS Da 2a-48
Chemical Analysis	Soap and Soap products	Water insoluble Matter	AOCS Da 6-48
Chemical Analysis	Soap and Soap products	Ethanol insoluble Matter	AOCS Da 3-48
Chemical Analysis	Soap and Soap products	Acid value of fatty acid	AOCS Da 14-48
Chemical Analysis	Soap and Soap products	Chloride	AOCS Da 9-48

Accreditation Scope

Cosmetic Testing

LB-TEST-021

Geo Chem Middle East

Plot No: TP/010305, National Industries Park, Jebel Ali

Dubai- United Arab Emirates

Issue no.: 07

Date: 26-10-2021

Valid to: 13-11-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Soda soap products except those containing	Free alkali	AOCS Da 4a-48
Chemical Analysis	Tooth paste	pH	GSO 691:1997
Chemical Analysis	Tooth powder	pH	IS 5383:2006
Chemical Analysis	Tooth powder	Moisture and Volatiles	IS 5383:2006
Chemical Analysis	Tooth powder	Heavy metals	
		Lead(LOQ=0.025 mg/kg)	In House Method CH-SOP-31
		Arsenic (LOQ=0.025 mg/kg)	In House Method CH-SOP-23
Chemical Analysis	Hair dye	pH	SASO 776/724
Chemical Analysis	Hair dye	Determination of the content of Oxidizing substances (Hydrogen peroxide) (LOQ=0.5%)	SASO 776/427:1994

Accreditation Scope

Cosmetic Testing

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Hair oil (based only on vegetable oil or oils)	Acid value	IS 7123:1993
Chemical Analysis	Hair oil	Peroxide value	IS 7123:1993
Chemical Analysis	Petroleum Jelly	Melting Range	IS:4887-1980
Chemical Analysis	Petroleum Jelly	Iodine value	IS:4887-1980
Chemical Analysis	Petroleum Jelly	Volatile matter	IS:4887-1980
Chemical Analysis	Facial tissue	pH	GSO 143: 1991
Chemical Analysis	Baby Diapers	pH	GSO 143: 1991

Accreditation Scope

Cosmetic Testing

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Analysis	Sanitary Pads	pH	GSO 143: 1991 & GSO 750:1997

Accreditation History		
Issue no.	Details	Date
07	Re-issued to comply with the new accreditation number format	26-10-2021
06	Extension in scope	09/02/2020
05	Renewal accreditation and transition to ISO 17025:2017	09/01/2020
04	First issuance under the name of EIAC (which was formerly known as DAC)	15/09/2019

Accreditation Scope
Air Quality Monitoring Testing
LB-TEST-021

Geo Chem Middle East

Plot No: TP/010305, National Industries Park, Jebel Ali

Dubai- United Arab Emirates

Issue no.: 03

Date: 26-10-2021

Valid to: 13-11-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Ambient Air quality Monitoring (Outdoor)	Total Suspended Particulate Matter (TSPM)	Light scattering
Chemical	Ambient Air quality Monitoring (Outdoor)	Respirable Suspended Particulates (PM10, PM2.5)	Light scattering
Chemical	Ambient Air quality Monitoring (Outdoor)	Total suspended particulates (TSP) and PM10	USEPA Compendium Method IO 2.1 &3.1
Chemical	Ambient Air quality Monitoring (Outdoor)	Explosive atmospheres Part 29-2: Gas detectors. Selection, installation, use and maintenance of detectors for flammable gases and oxygen:	BS EN 60079 Part 29-2
Chemical	Ambient Air quality Monitoring (Outdoor)	- VOC	Photo ionisation

Accreditation Scope

Air Quality Monitoring Testing

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Geo Chem Middle East

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Issue no.: 03

Date: 26-10-2021

Valid to: 13-11-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Ambient Air quality Monitoring (Outdoor)	- Odour gases (Ammonia & Hydrogen Sulphide)	Electrochemical Sensor
Chemical	Ambient Air quality Monitoring (Outdoor)	- Sulphur dioxide	Electrochemical Sensor
Chemical	Ambient Air quality Monitoring (Outdoor)	- Nitrogen dioxide	Electrochemical Sensor
Chemical	Ambient Air quality Monitoring (Outdoor)	- Nitric oxide	Electrochemical Sensor
Chemical	Ambient Air quality Monitoring (Outdoor)	- Carbon monoxide	Electrochemical Sensor
Chemical	Ambient Air quality Monitoring (Outdoor)	- Ozone	Electrochemical Sensor
Chemical	Ambient Air quality Monitoring (Outdoor)	- Carbon dioxide	NDIR Sensor
Chemical	Indoor Air Quality Monitoring	Total suspended particulates (TSP)	Light scattering

Accreditation Scope
Air Quality Monitoring Testing
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Geo Chem Middle East

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Date: 26-10-2021

Valid to: 13-11-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Indoor Air Quality Monitoring	Respirable Suspended Particulates (PM10, PM2.5, PM7, PM1)	Light scattering
Chemical	Indoor Air Quality Monitoring	Explosive atmospheres Part 29-2: Gas detectors. Selection, installation, use and maintenance of detectors for flammable gases and oxygen:	BS EN 60079 Part 29-2
Chemical	Indoor Air Quality Monitoring	- Carbon monoxide	Electrochemical Sensor
Chemical	Indoor Air Quality Monitoring	- Sulphur dioxide	Electrochemical Sensor
Chemical	Indoor Air Quality Monitoring	- Nitrogen dioxide	Electrochemical Sensor
Chemical	Indoor Air Quality Monitoring	-Formaldehyde	Electrochemical Sensor

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Indoor Air Quality Monitoring	-Carbon dioxide	NDIR sensor
Chemical	Indoor Air Quality Monitoring	- TVOC	Photoionisation
Chemical	Stack gas emissions monitoring	Particulate matter	USEPA EMC Method 5
Chemical	Stack gas emissions monitoring	Stack gas velocity	USEPA Method 2
Chemical	Stack gas emissions monitoring	Stack gas volumetric flow	USEPA Method 1 and 2
Chemical	Stack gas emissions monitoring	Moisture content	USEPA Method 4
Chemical	Stack gas emissions monitoring	Sulphur dioxide (SO ₂)	USEPA Method 6C

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Stack gas emissions monitoring	Standard Test Method for Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Concentrations in Emissions from Natural Gas-Fired Reciprocating Engines, Combustion Turbines, Boilers, and Process Heaters Using Portable Analyzers:	ASTM D6522
Chemical	Stack gas emissions monitoring	- Carbon monoxide (CO)	ASTM D6522
Chemical	Stack gas emissions monitoring	- Oxides of Nitrogen (NO _x),	ASTM D6522
Chemical	Stack gas emissions monitoring	- Oxygen (O ₂)	ASTM D6522
Chemical	Stack gas emissions monitoring	Carbon dioxide (CO ₂)	USEPA Method 3A

Accreditation Scope

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Stack gas emissions monitoring	Hydrocarbons	Catalytic sensor method
Chemical	Flue Gas Emissions monitoring	Sulphur dioxide (SO ₂)	USEPA Method 6C
Chemical	Flue Gas Emissions monitoring	Standard Test Method for Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Concentrations in Emissions from Natural Gas-Fired Reciprocating Engines, Combustion Turbines, Boilers, and Process Heaters Using Portable Analyzers	ASTM D 6522
Chemical	Flue Gas Emissions monitoring	- Carbon monoxide (CO)	ASTM D 6522

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Flue Gas Emissions monitoring	- Oxides of Nitrogen (NO _x)	ASTM D 6522
Chemical	Flue Gas Emissions monitoring	- Oxygen (O ₂)	ASTM D 6522
Chemical	Flue Gas Emissions monitoring	Carbon dioxide (CO ₂)	USEPA Method 3A
Chemical	Flue Gas Emissions monitoring	Hydrocarbons	Catalytic sensor method
Chemical	Continuous Ambient Air Quality Monitoring	Carbon monoxide	USEPA- RFCA-0992-088
Chemical	Continuous Ambient Air Quality Monitoring	Oxides of Nitrogen	USEPA- RFCA-1292-090
Chemical	Continuous Ambient Air Quality Monitoring	Sulphur dioxide and H ₂ S	USEPA- EQSA-0193-092
Chemical	Continuous Ambient Air Quality Monitoring	Ozone	USEPA- EQOA-0193-091
Chemical	Continuous Ambient Air Quality Monitoring	PM10	USEPA- EQPM-0798-122

Accreditation Scope

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Industrial Hygiene	Personal dust exposure (Total dust)	NIOSH 0500
Physical	Ambient Noise Monitoring	Environmental Noise	ISO 1996-2
Physical	Indoor Area Noise monitoring	Indoor/Workplace Noise	ISO 9612
Physical	Industrial Hygiene	Personal Noise exposure (Occupational noise)	ISO 9612
Physical	Industrial Hygiene	Vibration Monitoring (Whole Body Vibration)	ISO 2631
Physical	Industrial Hygiene	Vibration Monitoring (Hand Arm Vibration)	ISO 5349
Physical	Industrial Hygiene	Heat Stress Monitoring (Heat stress level)	OSHA Technical Manual

Accreditation Scope

Air Quality Monitoring Testing

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Valid to: 13-11-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical	Industrial Hygiene	Light Intensity/Illumination monitoring (Lux Level)	Lighing assessment method in workplace

Accreditation History		
Issue no.	Details	Date
03	Re-issued to comply with the new accreditation number format	26-10-2021
02	Renewal accreditation and transition to ISO 17025:2017	09/01/2020
01	Granted accreditation from EIAC (which was formerly known as DAC)	15/09/2019