



ACCREDITATION CERTIFICATE

003-LB-TEST

Emirates International Accreditation Centre

has accredited

GEOSCIENCE TESTING LABORATORY

Dubai- United Arab Emirates

In accordance with the requirements of

ISO/IEC 17025:2005

General requirements for the competence of testing and calibration laboratories
to undertake the tests in the attached accreditation scope

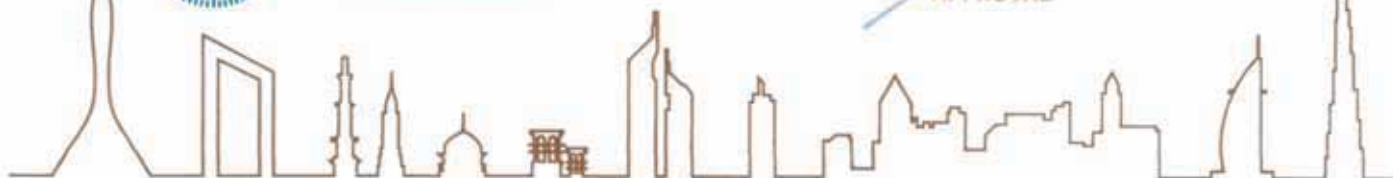
This Accreditation is invalid without the attached accreditation scope and shall remain in force
within the validity period printed below, subject to continuing compliance with the requirements of
the accreditation criteria.

Validity: 09/01/2019 to 26/04/2020

Initial Accreditation Date: 05/06/2002



CHIEF EXECUTIVE OFFICER
APPROVAL



AIR QUALITY MONITORING TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

Issue No.: 02, Rev. 00

Date: 09-01-2019

Valid to: 26-04-2020

Type of Task	Materials/ Products	Task Name	Standard Method
Chemistry	Ambient Air	Total Suspended Particulate Matter (TSPM)	AS/NZS 3580.12.1
		Determination of the PM 2.5, PM10	AS/NZS 3580.12.1
		Determination of Sulphur Dioxide (SO ₂)	AS 3580.4.1
		Determination of Nitrogen Dioxide (NO ₂)	AS 3580.5.1
		Volatile Organic Compounds (VOC's)	AS 3580.11.1
		Determination of Oxides of Nitrogen (NOX)	AS 3580.5.1
		Determination of Carbon Monoxide (CO)	AS 3580.7.1
		Determination of Ozone (O ₃)	AS 3580.6.1
		Determination of methane	AS 3580.11.1
	Indoor Air	Total Suspended Particles (TSPM) PM 2.5 PM 7.0 PM 10	AS/NZS 3580.12.1

AIR QUALITY MONITORING TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

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Type of Task	Materials/ Products	Task Name	Standard Method
Chemistry	Indoor Air	Determination of Relative humidity	OSHA Method Section III chapter 2
		Determination of Temperature	OSHA Method Section III chapter 2
		Determination of Formaldehyde (HCHO)	OSHA Method Section III chapter 2
		Determination of Carbon Monoxide (CO)	OSHA Method Section III chapter 2
		Determination of Carbon Dioxide (CO ₂)	OSHA Method Section III chapter 2
		Determination of Nitrogen Dioxide (NO ₂)	OSHA Method Section III chapter 2
		Determination of Sulphur Dioxide (SO ₂)	OSHA Method Section III chapter 2
		Determination of Ozone (O ₃)	OSHA Method Section III chapter 2
		Determination of Ammonia (NH ₃)	OSHA Method Section III chapter 2

AIR QUALITY MONITORING TESTING

003-LB-TEST

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DUBAI- UNITED ARAB EMIRATES

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Type of Task	Materials/ Products	Task Name	Standard Method
Chemistry	Stack emission	Determination of stack gas velocity and volumetric flow rate	SOP CH-01 in combination with USEPA Method -2
		Determination of TSP emission from stationary source	SOP CH-01 in combination with USEPA Method -5 & 17
		Determination of Carbon Monoxide (CO)	USEPA CTM 030/034
		Determination of Hydrogen Sulphide (H ₂ S)	USEPA CTM 030/034
		Determination of Oxides of Nitrogen (NOX)	USEPA CTM 030/034
		Determination of Nitrogen dioxide (NO ₂)	USEPA CTM 030/034
		Determination of Oxygen (O ₂)	USEPA CTM 030/034
		Determination of Sulphur Dioxide (SO ₂)	USEPA EPA 6C
Physical	Stack emission	Determination of Hydrocarbon	USEPA CTM 030/034

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003-LB-TEST

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DUBAI- UNITED ARAB EMIRATES

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Type of Task	Materials/ Products	Task Name	Standard Method
	Indoor Air	Total Volatile Organic Compounds (TVOC's)	OSHA Method Section III chapter 2
		Illuminance monitoring	COHSR (SOR-86-304)
	Ambient, Industrial & Workplace	Noise Level Assessment	ISO 1996-1 and 2
	Personnel Noise Monitoring	Noise Level Assessment	ISO 9612

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02	00	Extension in scope and first issuance under the name of EIAC (which formally was known as DAC)	09-01-2019

CONSTRUCTION MATERIALS TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

Issue No.: 13, Rev. 00

Date: 09-01-2019

Valid to: 26-04-2020

Type of Task	Materials/ Products	Task Name	Standard Method
Mechanical/ Physical	Soil	Methods of test for soils for civil engineering purposes Part 4: Compaction relates tests (Determination of California bearing ratio)	BS 1377 Part 4 Clause 7.2.3
		Methods of test for soils for civil engineering purposes Part 9: In-situ tests (Sand replacement method suitable for fine, medium and coarse grained soils (large pouring cylinder method))	BS 1377 Part 9 Clause 2.2
		Methods of test for soils for civil engineering purposes Part 4: Compaction- related tests (Determination of dry density / moisture content relationship)	BS 1377 Part 4 Clause 3.5 and 3.6
		Methods of test for soils for civil engineering purposes Part 2: Classification tests (Determination of particle size distribution)	BS 1377 Part 2 Clause 9.2 & 9.3

CONSTRUCTION MATERIALS TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

Issue No.: 13, Rev. 00

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Type of Task	Materials/ Products	Task Name	Standard Method
Mechanical/ Physical	Soil	Methods of test for soils for civil engineering purposes Part 2: Classification tests (Determination of Plastic Limit and Plasticity Index)	BS 1377 Part 2 Clause 5.3 & 5.4
		Methods of test for soils for civil engineering purposes Part 2: Classification tests (Cone Penetrometer Method- Determination of Liquid Limit)	BS 1377 Part 2 Clause 4.3
	Hardened Concrete	Testing hardened concrete Part 8: Depth of penetration of water under pressure	BS EN ISO 12390 Part 8
		Determination of water permeability	DIN 1048 Part 2
		Testing concrete Part 116: Method for determination of compressive strength of concrete cubes	BS 1881 Part 116

CONSTRUCTION MATERIALS TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

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Type of Task	Materials/ Products	Task Name	Standard Method
Mechanical/ Physical	Hardened Concrete	Testing concrete Part 208: Recommendations for the determination of the initial surface absorption of concrete	BS 1881 Part 208
		Testing concrete Part 122: Determination of water absorption on hardened concrete	BS 1881 Part 122
	Blocks	Precast concrete masonry units Part 1: Specification for precast concrete masonry units- Measurement of dimension	BS 6073 Part 1 Appendix A
		Precast concrete masonry units Part 2: Method for specifying precast concrete masonry units- Routine rapid control test of compressive strength	BS 6073 Part 2 Appendix B

CONSTRUCTION MATERIALS TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

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Type of Task	Materials/ Products	Task Name	Standard Method
Mechanical/ Physical	Blocks	Precast concrete paving blocks	BS 6717 Part 1 Annex B
		Part 1: Specification for paving blocks- Determination of compressive strength	
	Carbon Steel Bars for Reinforcement of Concrete	Precast concrete paving blocks	BS 6717 Part 1 Annex A
		Part 1: Specification for paving blocks- Measurement of dimensions and plan area	
	Carbon Steel Bars for Reinforcement of Concrete	Steel for Reinforcement of Concrete-Tensile Strength	BS 4449 BS EN ISO 15630-1
		Steel for the reinforcement of concrete. Weldable reinforcing steel. Bar, coil and decoiled product. Specification (Steel Bend Test)	BS 4449 Appendix C Clause C1.6.1

CONSTRUCTION MATERIALS TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

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Type of Task	Materials/ Products	Task Name	Standard Method
Mechanical/ Physical	Carbon Steel Bars for Reinforcement of Concrete	Re bend Test	BS 4449
		Steel for the reinforcement of concrete. Weldable reinforcing steel. Bar, coil and decoiled product.	BS EN ISO 15630-1
		Specification Steel for the reinforcement and prestressing of concrete. Test methods.	
		Reinforcing bars, wire rod and wire	
	Aggregate	Testing aggregates	BS 812 Part 110
		Part 110: Methods for determination of aggregate crushing value (ACV)	
		Testing aggregates	BS 812 Part 105 Section 105.1
		Part 105: Methods for determination of particle shape Flakiness index	
		Testing aggregates part 105: Methods for determination of particle shape	BS 812 Part 105 Section 105.2
		Elongation index of coarse aggregate	

CONSTRUCTION MATERIALS TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

Issue No.: 13, Rev. 00

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Valid to: 26-04-2020

Type of Task	Materials/ Products	Task Name	Standard Method
Mechanical/ Physical	Aggregate	Testing aggregates Part 103: Method for determination of particle size distribution. Sieve tests (wet & dry sieving)	BS 812 Part 103 .1 Clause 7.2 & 7.3
		Testing aggregates Part 106: Method for determination of shell content in coarse aggregate	BS 812 Part 106
		Testing aggregates Part 111: Methods for Determination of Ten Per Cent Fines Value (TFV) (dry and soaked)	BS 812 Part 111 Test 7.1 & 7.2
		Standard Test Method for Materials Finer than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	ASTM C117
		Standard test method for Resistance to degradation of small –size coarse aggregate by abrasion and impact in the los Angeles machine	ASTM C131/C131M-14

CONSTRUCTION MATERIALS TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

Issue No.: 13, Rev. 00

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Type of Task	Materials/ Products	Task Name	Standard Method
Mechanical/ Physical	Aggregate	Standard Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C535
		Standard Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	ASTM C88 / C88M - 18
		Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate	ASTM C128
		Standard Test Method for Clay Lumps and Friable Particles in Aggregates	ASTM C 142/C142 M
		Standard Test Method for Sand equivalent value of soils and fine aggregate	ASTM D2419
		Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates	ASTM C 136/C136 M

CONSTRUCTION MATERIALS TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

Issue No.: 13, Rev. 00

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Type of Task	Materials/ Products	Task Name	Standard Method
Mechanical/ Physical	Aggregate	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	ASTM C127
	Glass	Glass In building- Determination of luminous and solar Characteristics of Glazing- Shading coefficient	DIN EN 410:2011 (E) Clause 5.7
		Glass In building- Determination of luminous and solar Characteristics of Glazing- Determination of Light Properties. Light Transmittance	DIN EN 410:2011 (E) Clause 5.2
		Glass In building- Determination of thermal Transmittance (U) Value- Calculation Method	DIN EN 673

CONSTRUCTION MATERIALS TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

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Type of Task	Materials/ Products	Task Name	Standard Method
Mechanical/ Physical	Glass	Glass In building- Determination of luminous and solar Characteristics of Glazing- Total Solar Energy Transmittance and Shading Coefficient Determination of solar direct Transmittance Determination of solar direct Reflectance Determination of solar direct Absorptance	DIN EN 410:2011 (E) Clause 5.4
		Glass In building- Determination of luminous and solar Characteristics of Glazing- Determination of Light Properties. Light Reflectance	DIN EN 410:2011 (E) Clause 5.3
	Masonry Units	Determination of dimensions	EN 722-16
		Compressive strength	EN 772-1

CONSTRUCTION MATERIALS TESTING

003-LB-TEST

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Type of Task	Materials/ Products	Task Name	Standard Method
Mechanical/ Physical	Paving Block	Measurement of Dimensions and Plan Area	DMS1 Part 4, Annex A
		Determination of Compressive Strength	DMS1 Part 4, Annex B
	Rock	Moisture content	ASTM D2216
	Water-proofing membrane	Standard Test Methods for Sampling and Testing Modified Bituminous Sheet Material- Tensile & tear strength	ASTM D5147/D5147M
		Flexible sheets for waterproofing. Determination of tensile properties Part 1: Bitumen sheets for roof waterproofing	EN 12311 Part 1
		Flexible sheets for waterproofing. Determination of tensile properties Part 2: Plastic and rubber sheets for roof waterproofing	EN 12311 Part 2 and UEAtc 65, clause 4.2.5

CONSTRUCTION MATERIALS TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

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Issue No.: 13, Rev. 00

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Type of Task	Materials/ Products	Task Name	Standard Method
Mechanical/ Physical	Water-proofing membrane	Standard Test Method for Tensile-Tear Strength of Bituminous Roofing Membranes	ASTM D4073
		Standard Test Methods for Sampling and Testing Modified Bituminous Sheet Material- Tensile & tear strength	ASTM D5147/D5147M
		Flexible sheets for waterproofing. Determination of resistance to tearing (nail shank) Part 1: Bitumen sheets for roof waterproofing	EN 12310 Part 1
		Flexible sheets for waterproofing. Determination of thickness and mass per unit area. Part 1: Bitumen sheets for roof waterproofing	EN 1849 Part 1

CONSTRUCTION MATERIALS TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

Issue No.: 13, Rev. 00

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Type of Task	Materials/ Products	Task Name	Standard Method
Mechanical/ Physical	Water-proofing membrane	Standard Test Method for Water Absorption of Plastics	ASTM D570
		Flexible sheets for waterproofing. Determination of thickness and mass per unit area. Part 2: Plastic and rubber sheets	EN 1849 Part 2
		Standard Test Methods for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover- Puncture index	ASTM E154/C154 M
		Heat stability	DIN 52123
	Geotextile	Geosynthetics	ISO 12236
		Static puncture test	
		Standard Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method	ASTM D4595

CONSTRUCTION MATERIALS TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

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Type of Task	Materials/ Products	Task Name	Standard Method
Mechanical/ Physical	Geotextile	Standard Test Method for Index Puncture Resistance of Geomembranes and Related Products	ASTM D4833/D4833M
		Standard Test Method for Grab Breaking Load and Elongation of Geotextiles	ASTM D4632/D4632M
	Bitumen in Water Proofing Membranes	Standard Test Method for Penetration of Bituminous Materials	ASTM D5/D5M
		Standard Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus)	ASTM D36/D36M
	Concrete	Test method for metallic fibre concrete- Measuring the flexural tensile strength (limit of proportionality (LOP), residual)	BS EN 14651 +A1
		Testing hardened concrete Part 6: Tensile splitting strength of test specimens	BS EN 12390 Part 6

CONSTRUCTION MATERIALS TESTING

003-LB-TEST

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DUBAI- UNITED ARAB EMIRATES

Issue No.: 13, Rev. 00

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Type of Task	Materials/ Products	Task Name	Standard Method
Chemistry	Concrete	Standard Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	ASTM C1202
		Testing concrete Part 124: Methods for analysis of hardened concrete (Determination of Chloride content in hardened concrete)	BS 1881 Part 124 Clause 10.2
	Aggregate	Standard Test Method for Organic Impurities in Fine Aggregates for Concrete	ASTM C40/C40 M
		Testing aggregates. Part 117: Method for determination of water-soluble chloride salts Appendix C: Test method for determination of chloride content of aggregates using a nitric acid extract, for aggregate containing chloride not extracted by water	BS 812 Part 117 Appendix C

CONSTRUCTION MATERIALS TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

Issue No.: 13, Rev. 00

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Valid to: 26-04-2020

Type of Task	Materials/ Products	Task Name	Standard Method
Chemistry	Aggregate	Testing aggregates. Part 118: Methods for determination of Sulfate content Total Sulphate content of aggregate by acid extraction	BS 812 Part 118 Clause 6
	Carbon & Low Alloy Steel	C, S, P, N, Cu, Mn, and CEV analysis by Spark OES	SOP-CH-21 based on ASTM E415
	Stainless Steel	C, Si, Mn, P, S, Cr, Mo, Ni, N, V and Cu	SOP-CH-21 based on ASTM E1086
Thermal	Construction Material	Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus	ASTM C518

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13	00	First issuance under the name of EIAC (which formally was known as DAC)	09-01-2019

COSMETIC TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

Issue No.: 03, Rev. 00

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Type of Task	Materials/ Products	Task Name	Standard Method
Microbiology	Cosmetics	Cosmetics - Microbiology Enumeration and detection of aerobic mesophilic bacteria	ISO 21149
		Cosmetics - Microbiology Detection of Staphylococcus aureus	ISO 22718
		Cosmetics - Microbiology Enumeration of yeast and mould	ISO 16212
		Cosmetics - Microbiology Detection of Pseudomonas aeruginosa	ISO 22717
		Cosmetics - Microbiology Detection of Escherichia coli	ISO 21150

Accreditation History			
Issue No.	Rev. No.	Details	Date
03	00	First issuance under the name of EIAC (which formally was known as DAC)	09-01-2019

ENVIRONMENTAL TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

Issue No.: 08, Rev. 01

Date: 09-01-2019

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Type of Task	Materials/ Products	Task Name	Standard Method
Chemistry	Water / Waste Water	pH	APHA 4500 H+ B
		Total Suspended Solids	APHA 2540 D
		Total Dissolved Solids	APHA 2540 C
		Oil and Grease	APHA 5520 B
		Biological Oxygen Demand- 5 days	APHA 5210 B
		Chemical Oxygen Demand	APHA 5220 B
		Metals-Cu, Cd, Pb, Zn, Ni, Cr, Fe, Mn, Ag, Co	APHA 3030, 3111
		Chemical Oxygen Demand(COD)	APHA 23 rd Edition 5220 D
		Heavy Metals: Copper (Cu), Cadmium (Cd), Chromium (Cr), Cobalt (Co), Lead (Pb),	APHA 23 rd Edition, 3030 E, 3120 B

ENVIRONMENTAL TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

Issue No.: 08, Rev. 01

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Type of Task	Materials/ Products	Task Name	Standard Method
Chemistry	Water / Waste Water	Heavy Metals: Zinc (Zn), Nickel (Ni), Iron (Fe), Manganese (Mn), Arsenic, (As), Silver (Ag), Selenium (Se)	APHA 23 rd Edition, 3030 E, 3120 B
	Sediments and Sludges	Total, Fixed and Volatile Solids in Solid and Semisolid samples	APHA 23 rd Edition, 2540 G
		Oil & Grease	APHA 23 rd Edition, 5520 E
		Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass	ASTM D2216
		Heavy Metals; Zinc (Zn), Lead (Pb),	USEPA 3050-B, APHA 23 rd Edition 3120 B

ENVIRONMENTAL TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

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Type of Task	Materials/ Products	Task Name	Standard Method
Chemistry	Sediments and Sludges	Heavy Metals; Copper (Cu), Cadmium (Cd), Chromium (Cr), Nickel (Ni), Cobalt (Co), Manganese (Mn), Iron (Fe), Silver, (Ag), Selenium (Se), Arsenic (As)	USEPA 3050-B, APHA 23 rd Edition 3120 B
		pH	APHA 23 rd Edition, 4500H+B
		Conductivity	APHA 23 rd Edition, 2510 B
		Total Dissolved Solids	APHA 23 rd Edition, 2540 C
		Hardness	APHA 23 rd Edition, 2340 C
		Alkalinity	APHA 23 rd Edition, 2320 B
		Chloride	APHA 23 rd Edition, 4500 Cl- B
		Fluoride	HACH Method 8029

ENVIRONMENTAL TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

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Type of Task	Materials/ Products	Task Name	Standard Method
Chemistry	Drinking Water	Total Residual Chlorine	HACH Method 8167
		Standard Methods for the Examination of Water and Wastewater- Heavy Metals: Copper (Cu), Cadmium (Cd), Chromium (Cr), Cobalt (Co), Lead (Pb), Zinc (Zn), Nickel (Ni), Iron (Fe), Manganese (Mn), Arsenic (As), Silver (Ag), Selenium (Se), Sodium, (Na), Boron (B), Potassium (K)	APHA 23 rd Edition 3120 B

ENVIRONMENTAL TESTING

003-LB-TEST

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Type of Task	Materials/ Products	Task Name	Standard Method
Chemistry	Waste Solid, Semi Solid and Sludge	Determination of Toxicity Characteristics Leaching Procedure (TCLP) for Metals by using ICP-OES: Arsenic (As) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Manganese (Mn) Mercury (Hg) Nickel (Ni) Selenium (Se) Silver (Ag) Tin (Sn) Zinc (Zn)	SOP-CH-15 based on USEPA 846/ Method 1311

ENVIRONMENTAL TESTING

003-LB-TEST

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Type of Task	Materials/ Products	Task Name	Standard Method
Chemistry	Wastewater, water, Waste Solid, SemiSolid and Sludge	pH Temp. range	APHA AWWA 1060 B, 23 rd Edition DMS # 11:2001/ DMS # 12:2001
Microbiology	Air/Environment	Total Viable Count Total Bacterial Count Yeast and Moulds	IESO Method 1220, 2 nd Edition Method 800, NIOSH, 4 th Edition
Sampling	Air/Environment	Microbiological Sampling of Air/Environment	MB-SOP 36 MB-SOP 37

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08	00	Extension in scope	13-11-2018
08	01	Extension in scope and first issuance under the name of EIAC (which formally was known as DAC)	09-01-2019

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Type of Task	Materials/ Products	Task Name	Standard Method
Microbiology	Food	Aerobic Plate Count	USFDA BAM Ch 3
		Enumeration of Enterobacteriaceae	CCFRA2.3.1
		Enumeration of Yeast & Moulds	CCFRA 2.1.1
		Enumeration of Coliforms by Colony Count Method	CCFRA 2.2.1
		Coliforms by MPN Method	CMMEF Ch 9.71, 4 th Edition
		<i>E. coli</i> by MPN Method	CMMEF Ch 9.91, 4 th Edition
		Enumeration of Coagulase Positive <i>Staphylococcus aureus</i>	CCFRA 3.5.1
		Detection of <i>Salmonella</i> spp.; Cultural Method	CCFRA 3.1.2
		Enumeration of <i>Bacillus cereus</i>	USFDA BAM Ch 14
		Enumeration of <i>Clostridium perfringens</i>	CCFRA 3.6.1

FOOD TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

Issue No.: 04, Rev. 00

Date: 09-01-2019

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Type of Task	Materials/ Products	Task Name	Standard Method
Microbiology	Food	Detection of <i>E. coli</i> O157:H7	Reveal Microbial Screening Test <i>E. coli</i> O157:H7 Test System, Neogen Corporation
		Detection of <i>Listeria</i> spp.	Reveal Microbial Screening Test <i>Listeria</i> Test System, Neogen Corporation
	Food Fish	Detection of <i>Vibrio parahaemolyticus</i>	CCFRA 3.8.2
	Grains	Aflatoxin	Agri-screen Aflatoxin Screening Test, USDA-GIPSA 2006-009, Product No. 8010, Neogen Corporation
	Domestic water, Potable water, Recreational water, Non-potable water, Bottled water	Heterotrophic Plate Count	APHA 9215B, 23 rd Edition
	Domestic water, Potable water, Recreational water, Non-potable water, Bottled water	Total Coliform by Membrane Filtration Method	APHA9222B, 23 rd Edition

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Issue No.: 04, Rev. 00

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Type of Task	Materials/ Products	Task Name	Standard Method
Microbiology	Domestic water, Potable water, Recreational water, Non-potable water, Bottled water	<i>Escherichia coli</i> by Membrane Filtration Method	APHA9222B& 9222G, 23 rd Edition
		Faecal Streptococci	APHA 9230C, 23 rd Edition
		Enumeration of <i>Pseudomonas aeruginosa</i> by Membrane Filtration	ISO 16266
		<i>Legionella</i> by Cultural Method	BS EN ISO 11731
		Coliforms by MPN Method	APHA 9221B, 23 rd Edition
		Fecal Coliforms by MPN Method	APHA 9221E.1, 23 rd Edition
		<i>E.coli</i> by MPN Method	APHA 9221F, 23 rd Edition
		Enumeration of Yeast & Moulds	APHA 9610D, 23 rd Edition
	Water and Ice	Enumeration of <i>Staphylococcus aureus</i> by Membrane Filtration	W10, National Standards Method, Issue 3.3,
	Surface Swab	Aerobic Plate Count	USFDA BAM Ch 3

FOOD TESTING

003-LB-TEST

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Type of Task	Materials/ Products	Task Name	Standard Method
Microbiology	Surface Swab	Total Coliforms	CCRFA 2.2.1
		<i>E. coli</i>	CMMEF Ch 9.91, 4 th Edition
	Hand Swab	Aerobic Plate Count	USFDA BAM Ch 3
		Total Coliforms	CCRFA 2.2.1
		<i>Staphylococcus aureus</i>	CCRFA 3.5.1
	Water, Domestic, Potable water, Recreational water, Non-potable water, Marine water	Faecal Coliform	APHA 9222B, APHA 9222G, 23 rd Edition
Sampling	Food/ Water	Microbiological Sampling of Food	MB-SOP 22
		Microbiological Sampling of Water	MB-SOP 19 MB-SOP 20
		Microbiological Sampling of Air/Environment	MB-SOP 36 MB-SOP 37
		Microbiological Swab Sampling	MB-SOP 21

FOOD TESTING

003-LB-TEST

GEOSCIENCE TESTING LABORATORY

DUBAI- UNITED ARAB EMIRATES

Issue No.: 04, Rev. 00

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Type of Task	Materials/ Products	Task Name	Standard Method
Sampling	Food/ Water	Sampling for <i>Legionella</i> bacteria in water systems	BS 7592
Chemistry	Flour	Total Ash Content	AOAC 923.03
		Moisture Content	AOAC 925.10
		pH	AOAC 943.02
		Crude Fiber	SOP-CH-10 / Foss Fiber Cap Manual
		Crude Fat by Soxhlet Method	AOAC 920.85
		Protein by Kjeldahl Method	AOAC 920.87
	Bread	Protein by Kjeldahl Method	AOAC 950.36
	Animal Feed	Total Ash Content	AOAC 942.05
		Moisture Content	AOAC 930.15
	Dried Milk	Total Ash Content	AOAC 930.30
		Moisture Content	AOAC 927.05
	Cereals and Grains	Total Ash Content	AOAC 945.38(c)
		Crude Fat by Soxhlet Method	AOAC 920.39

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Type of Task	Materials/ Products	Task Name	Standard Method
Chemistry	Cereals and Grains	Moisture Content	AOAC 945.38
		Protein by Kjeldahl Method	AOAC 979.09
		Crude Fiber	SOP-CH-10 / Foss Fiber Cap Manual
	Meat	Total Ash Content	AOAC 920.153
		Crude Fat by Soxhlet Method	AOAC 960.39
		Moisture Content	AOAC 950.46
		Protein by Kjeldahl Method	AOAC 928.08
	Nuts and Nut Products	Total Ash Content	AOAC 950.49(B)
		Moisture Content	AOAC 925.40

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GEOTECHNICAL INVESTIGATION

003-LB-TEST

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Type of Task	Materials/ Products	Task Name	Standard Method
Mechanical/ Physical	Soil	Determination of the penetration resistance using the split-barrel sampler (the standard penetration test SPT)	BS 1377 Part 9 Section 3.3
		Soil sampling	BS 5930 Clause 20.5 and Clause 22
		Soil description	BS 5930 Section 41 & 44 Clark and Walker
	Rock	Rock quality designation	BS 5930 Clause 44.4.4
		Core recovery	BS 5930 Clause 44.4.4
		Code of Practice for Site Investigations Geotechnical Reporting	BS 5930 Section 7
		Unconfined compressive strength	ASTM D7012
		Preparation of test specimens for UCS	ASTM D4543
	Ground water	Ground water level measurement	BS 5930 Clause 23.2 & 27.5 & 47.2.7

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003-LB-TEST

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Type of Task	Materials/ Products	Task Name	Standard Method
Mechanical/ Physical	Ground water	Ground water sampling	BS 5930 Clause 23.3
Chemistry	Ground water	Methods of test for soils for civil engineering purposes. Chemical and electro-chemical tests (Determination of pH value)	BS 1377 Part 3 Clause 9
		Methods of test for soils for civil engineering purposes. Chemical and electro-chemical tests (Determination of Sulphate content of soil and ground water)	BS 1377 Part 3 Clause 5.0 and 5.4
		Methods of test for soils for civil engineering purposes. Chemical and electro-chemical tests (Determination of water-soluble chloride content)	BS 1377 Part 3 Clause 7.2

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003-LB-TEST

GEOSCIENCE TESTING LABORATORY

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Type of Task	Materials/ Products	Task Name	Standard Method
Chemistry	Soil	Methods of test for soils for civil engineering purposes. Chemical and electro-chemical tests (Determination of the chloride content) Water Soluble Chloride Content of Soil	BS 1377 Part 3 Clause 7
		Methods of test for soils for civil engineering purposes. Chemical and electro-chemical tests (Determination of the sulphate content of soil and ground water) Water Soluble Sulphate Content of Soil	BS 1377 Part 3 Clause 5
		Methods of test for soils for civil engineering purposes. Chemical and electro-chemical tests (Determination of the pH value) pH of Soil	BS 1377 Part 3 Clause 9

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003-LB-TEST

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Type of Task	Materials/ Products	Task Name	Standard Method
Chemistry	Soil	Methods of test for soils for civil engineering purposes. Chemical and electro-chemical tests (Preparation of soil and its acid extract) & (Preparation of ground water for testing) Acid Soluble Sulphate Content of Soil	BS 1377 Part 3 Clause 5.2 & 5.4
		Methods of test for soils for civil engineering purposes. Chemical and electro-chemical tests (Determination of acid soluble chloride content)	BS 1377 Part 3 Clause 7.3

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