ACCREDITATION CERTIFICATE

LB-TEST-002

Emirates International Accreditation Centre

has accredited

AL FUTTAIM ELEMENT MATERIALS TECHNOLOGY DUBAI LLC

Plot 598-221 | Dubai Investment 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: 22/10/2023 to 21/04/2024

Initial Accreditation Date: 13/02/2005

for/ CHIEF EXECUTIVE OFFICER
APPROVAL

مـركـز الإمـارات الـعـالـمـي لـلاعـتـمـاد
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Al Futtaim Element Materials Technology Dubai LLC

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Issue no.: 15 **Date: 22-10-2023** **Valid to: 21-04-2024**

Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Soil	Methods of test for soils for civil engineering purposes. Classification tests. Determination of particle size distribution	BS 1377 Part 2 Clause 9.2 & 9.3
Mechanical/ Physical	Soil	Methods of test for soils for civil engineering purposes. Compaction-related tests. (Determination of dry density/ moisture content relationship using 4.5Kg rammer for coarse and medium gravel size particles)	BS 1377 Part 4 Clause 3.5 and 3.6

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Soil	Methods of test for soils for civil engineering purposes. Compaction-related tests (Determination of California bearing ratio)	BS 1377 Part 4 Clause 7
Mechanical/ Physical	Soil	Methods for test for soils for civil engineering purposes. 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

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Soil	Standard Test Method for Particle-Size Analysis of Soils	ASTM D422
Mechanical/ Physical	Soil	Methods of test for Soils for civil engineering purposes Part 4: Compaction-related tests. Determination of dry density/moisture content relationship (2.5 Kg Rammer)	BS 1377 Part 4 Clause 3.3 & 3.4
Mechanical/ Physical	Soil	Standard Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils	ASTM D4318

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Soil	Methods of test for Soils for civil engineering purposes Part 2: Classification tests Clause 4: Determination of the liquid limit	BS 1377 Part 2 Clause 4
Mechanical/ Physical	Soil	Methods of test for Soils for civil engineering purposes Part 2: Classification tests Clause 5: Determination of the plastic limit and plasticity index	BS 1377 Part 2 Clause 5

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Soil	Methods of test for Soils for civil engineering purposes Part 2: Classification tests Clause 3: Determination of moisture content	BS 1377 Part 2 Clause 3
Mechanical/ Physical	Hardened Concrete	Testing hardened concrete. Depth of penetration of water under pressure	BS EN 12390 Part 8
Mechanical/ Physical	Hardened Concrete	Testing concrete Method for determination of compressive strength of concrete cubes	BS 1881 Part 116

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Hardened Concrete	Recommendations for the determination of the initial surface absorption of concrete	BS 1881 Part 208
Mechanical/ Physical	Hardened Concrete	Determination of water absorption on hardened concrete	BS 1881 Part 122
Mechanical/ Physical	Hardened Concrete	Testing concrete Part 111: Method of normal curing of test specimens (20°C method)	BS 1881 Part 111
Mechanical/ Physical	Hardened Concrete	Testing concrete Part 114: Methods for determination of density of hardened concrete	BS 1881 Part 114

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Hardened Concrete	Testing hardened concrete Part 2: Making and curing specimens for strength tests	BS EN 12390 Part 2
Mechanical/ Physical	Hardened Concrete	Standard Practice for Making and Curing Concrete Test Specimens in the Laboratory	ASTM C192 / C192M
Mechanical/ Physical	Hardened Concrete	Testing hardened concrete Part 1: Shape, dimensions and other requirements for specimens and moulds	BS EN 12390 Part 1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Hardened Concrete	Testing Hardened Concrete Part 3: Compressive strength of test specimens	BS EN 12390 Part 3
Mechanical/ Physical	Hardened Concrete	Testing hardened concrete Part 5: Flexural strength of test specimens	BS EN 12390 Part 5
Mechanical/ Physical	Hardened Concrete	Testing hardened concrete Part 7: Density of hardened concrete	BS EN 12390 Part 7

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Hardened Concrete	Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens	ASTM C39 / C39M
Mechanical/ Physical	Hardened Concrete	Testing concrete in structures. Cored specimens Part 1: Taking, examining and testing in compression	BS EN 12504 Part 1
Mechanical/ Physical	Concrete piles	Standard Test Method for Low Strain Impact Integrity Testing of Deep Foundations	ASTM D5882

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Concrete	Standard Test Method for Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression	ASTM C469/C469M
Mechanical/ Physical	Fresh Concrete	Testing concrete Part 102: Method for determination of slump	BS 1881 Part 102
Mechanical/ Physical	Fresh Concrete	Testing fresh concrete Part 2: Slump test	BS EN 12350 Part 2
Mechanical/ Physical	Fresh Concrete	Testing concrete Part 106: Methods for determination of air content of fresh concrete	BS 1881-106:1983

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Fresh Concrete	Testing fresh concrete Part 7: Air content. Pressure methods	BS EN 12350 Part 7
Mechanical/ Physical	Fresh Concrete	Testing fresh concrete Part 1: Sampling	BS EN 12350 Part 1
Mechanical/ Physical	Fresh Concrete	Standard practice for Sampling of Freshly mixed Concrete	ASTM C172
Mechanical/ Physical	Fresh Concrete	Testing fresh concrete Part 6: Density	BS EN 12350 Part 6
Mechanical/ Physical	Fresh Concrete	Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete	ASTM C138 / C138M
Mechanical/ Physical	Fresh Concrete	Standard Test Method for Bleeding of Concrete	ASTM C232 / C232M

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Fresh Concrete	Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete	ASTM C1064/ C1064M
Mechanical/ Physical	Fresh Concrete	Testing fresh concrete Part 5: Flow table test	BS EN 12350 Part 5
Mechanical/ Physical	Fresh Concrete	Standard Test Method for Slump Flow of Self-Consolidating Concrete	ASTM C1611 / C1611M
Mechanical/ Physical	Fresh Concrete	Testing fresh concrete Part 4: Degree of compactability	BS EN 12350 Part 4

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Fresh Concrete	Testing concrete Part 108: Method for making test cubes from fresh concrete	BS 1881 Part 108
Mechanical/ Physical	Aggregate	Testing Aggregates Part 2. Methods of determination of density - for aggregates all larger than 10mm	BS 812 Part 2 Clause 5.3
Mechanical/ Physical	Aggregate	Standard Practice for Sampling Aggregates	ASTM D75/75M
Mechanical/ Physical	Aggregate	Testing aggregate Part 102: Methods for Sampling Tests for general properties of aggregates	BS 812 Part 102

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Mechanical/ Physical	Aggregate	Tests for general properties of aggregates Part 1: Methods for sampling	BS EN 932 Part 1
Mechanical/ Physical	Aggregate	Testing aggregates Part 2: Methods for determination of density Clause 5.4: Particle density and water absorption of aggregate between 40mm and 5mm	BS 812 Part 2 Clause 5.4

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Aggregate	Testing aggregates Part 2: Methods for determination of density Clause 5.5: Particle density and water absorption (10mm aggregate & smaller)	BS 812 Part 2 Clause 5.5
Mechanical/ Physical	Aggregate	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	ASTM C127
Mechanical/ Physical	Aggregate	Standard Test Method for Relative Density (Specific Gravity) and Absorption of Fine Aggregate	ASTM C128

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Aggregate	Tests for geometrical properties of aggregates Part 1: Determination of particle size distribution. Sieving method	BS EN 933 Part 1
Mechanical/ Physical	Aggregate	Tests for mechanical and physical properties of aggregates Part 6: Determination of particle density and water absorption - wire basket method for aggregate particles passing the 63mm test sieve and retained on the 31.5mm test sieve	BS EN 1097 Part 6 Clause7

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Mechanical/ Physical	Aggregate	Tests for mechanical and physical properties of aggregates Part 6: Determination of Particle Density and Water Absorption- pyknometer method for aggregate particles passing the 31.5mm test sieve and retained on the 4mm test sieve	BS EN 1097 Part 6 Clause 8

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Mechanical/ Physical	Aggregate	Tests for mechanical and physical properties of aggregates Part 6: Determination of Particle Density and Water Absorption- pyknometer method for aggregate particles passing the 4mm test sieve and retained on the 0.063mm test sieve	BS EN 1097 Part 6 Clause 9
Mechanical/ Physical	Aggregate	Testing aggregates Part 109: Methods for determination of moisture content (drying oven)	BS 812 Part 109

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Aggregate	Testing aggregates Part 103: Method for determination of particle size distribution Section 103.1 Sieve tests	BS 812 Part 103 Section 103.1
Mechanical/ Physical	Aggregate	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates	ASTM C136/ C136M
Mechanical/ Physical	Aggregate	Standard Test Method for Materials Finer than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	ASTM C117

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Mechanical/ Physical	Aggregate	Testing Aggregates Part 110: Methods for determination of aggregate crushing value (ACV)	BS 812 Part 110
Mechanical/ Physical	Aggregate	Testing Aggregates Part 111: Determination of ten percent fines value (TFV)	BS 812 Part 111
Mechanical/ Physical	Aggregate	Testing Aggregates Part 112: Methods for determination of aggregate impact value (AIV)	BS 812 Part 112

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Mechanical/ Physical	Aggregate	Tests for mechanical and physical properties of aggregates Part 5: Determination of the water content by drying in a ventilated oven	BS EN 1097 Part 5
Mechanical/ Physical	Aggregate	Standard Test Method for Total Evaporable Moisture Content of Aggregate by Drying	ASTM C566
Mechanical/ Physical	Aggregate	Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate	ASTM D2419

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Aggregate	Tests for geometrical properties of aggregates Part 8: Assessment of fines - sand equivalent test	BS EN 933 Part 8 + A1
Mechanical/ Physical	Aggregate	Tests for geometrical properties of aggregates Part 3: Determination of particle shape - Flakiness index	BS EN 933 Part 3
Mechanical/ Physical	Aggregate	Testing aggregates Part 105: Methods for determination of particle shape Section 105.1 Flakiness index	BS 812 Part 105 Section 105.1

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Mechanical/ Physical	Aggregate	Tests for geometrical properties of aggregates Part 4: Determination of particle shape - Shape index	BS EN 933 Part 4
Mechanical/ Physical	Aggregate	Testing aggregates Part 105: Methods for determination of particle shape Section 105.2: Elongation index of coarse aggregate	BS 812 Part 105 Section 105.2

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Aggregate	Standard Test Method for Flat Particles, Elongated particles or Flat and Elongated Particles in Coarse Aggregate	ASTM D4791
Mechanical/ Physical	Aggregate	Standard Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregate	ASTM D5821

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Mechanical/ Physical	Aggregate	Tests for geometrical properties of aggregates Part 5: Determination of percentage of crushed and broken surfaces in coarse aggregate particles	BS EN 933 Part 5
Mechanical/ Physical	Aggregate	Testing aggregates Part 106: Method for determination of shell content in coarse aggregate	BS 812 Part 106

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Mechanical/ Physical	Aggregate	Tests for geometrical properties of aggregates Part 7: Determination of shells content - percentage of shells in coarse aggregate	BS EN 933 Part 7
Mechanical/ Physical	Aggregate	Standard Test Method for Clay Lumps and Friable Particles in Aggregates	ASTM C142/C142M
Mechanical/ Physical	Aggregate	Standard Methods for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C131/C131M

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Aggregate	Standard Methods for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C535
Mechanical/ Physical	Aggregate	Test for mechanical and physical properties of aggregates Part 2: Methods for determination of resistance o fragmentation	BS EN 1097 Part 2

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Aggregate	Standard Method of Test for Uncompacted Void Content of Fine Aggregate	AASHTO Designation: T304-11
Mechanical/ Physical	Aggregate	Standard Test Methods for Uncompacted Void Content of Fine Aggregate (as Influenced by Particle Shape, Surface Texture and Grading)	ASTM C1252
Mechanical/ Physical	Aggregate	Standard Practice for Reducing Samples of Aggregate to Testing Size	ASTM C702/C702M

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Mechanical/ Physical	Aggregate	Test for general properties of aggregates Part 2: Methods for reducing laboratory samples	BS EN 932 Part 2
Mechanical/ Physical	Aggregate	Standard Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	ASTM C88
Mechanical/ Physical	Aggregate	Tests for thermal and weathering properties of aggregates Part 2: Magnesium Sulfate Test	BS EN 1367 Part 2

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Block	Measurement of dimension of pre-cast concrete Masonry Blocks	BS 6073 Part 1 Appendix A
Mechanical/ Physical	Block	Determination of Compressive Strength of pre-cast Masonry Blocks	BS 6073 Part 2 Appendix B
Mechanical/ Physical	Block	Precast concrete paving blocks Part 1: Specification for paving blocks- Determination of compressive strength	BS 6717 Part 1 Annex B

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Mechanical/ Physical	Block	Precast concrete paving blocks Part 1: Specification for paving blocks- Measurement of dimensions and plan area	BS 6717 Part 1 Annex A
Chemical	Water	Standard Test Methods for pH of Water	ASTM D1293

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Mixing Water For Concrete	Mixing water for concrete. Specification for sampling, testing and assessing the suitability of water, including water recovered from processes in the concrete industry, as mixing water for concrete.	BS EN 1008
Chemical	Mixing Water For Concrete	Standard Test Methods for Chloride Ion In Water	ASTM D512

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Al Futtaim Element Materials Technology Dubai LLC

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Concrete	Testing concrete. Methods for analysis of hardened concrete (Determination of Chloride content in hardened concrete)	BS 1881 Part 124 Clause 10.2
Chemical	Concrete	Testing concrete. Methods for analysis of hardened concrete (Determination of Sulphate content in hardened concrete)	BS 1881 Part 124 Clause 10.3
Chemical	Concrete	Standard Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	ASTM C1202

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Concrete	Electrical indication of concrete's ability to resist chloride ion penetration	AASHTO T 277
Chemical	Concrete	Chloride Migration Test	NT Build 492
Chemical	Soil	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical tests Determination of the chloride content- Acid Soluble Chloride Content of Soil	BS 1377 Part 3 Clause 9.3

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Soil	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical tests Determination of the sulphate content of soil-Acid Soluble Sulphate Content of Soil	BS 1377 Part 3 Clause 7.9
Chemical	Soil	Methods of test for soils for civil engineering purposes. Chemical and electro-chemical testing. Determination of the mass loss on ignition	BS 1377 Part 3 Clause 6

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Soil	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro chemical tests- Determination of the organic matter content Clause 4: Determination of the organic matter content	BS 1377 Part 3 Clause 4
Chemical	Soil	Methods of test for soils for civil engineering purposes. Part 3: Chemical and electro-chemical testing. Determination of total organic carbon	BS 1377 Part 3 Clause 5

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Soil	Methods of test for Soils for civil engineering purposes Part 3: Chemical and electro-chemical tests Clause 6.3: Determination of the carbonate content- Rapid titration method	BS 1377 Part 3 Clause 6.3
Chemical	Soil	Methods of test for soils for civil engineering purposes. Chemical and electro-chemical testing. Determination of water-soluble chloride content	BS 1377 Part 3 Clause 9.2

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Soil	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical tests Determination of the pH value	BS 1377-3 Clause 12
Chemical	Soil	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical tests Determination of Resistivity- Measurement of resistivity: Wenner probe method	BS 1377-3 Clause 13

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Aggregate	Tests for chemical properties of aggregates Part 1: Chemical analysis	BS EN 1744 Part 1
Chemical	Aggregate	Tests for chemical properties of aggregates Part 5: Determination of acid soluble chloride salts	BS EN 1744-5
Chemical	Aggregate	Standard Test Method for Organic Impurities in Fine Aggregates for Concrete	ASTM C40/C40M
Chemical	Aggregate	Tests for geometrical properties of aggregates. Assessment of fines. Methylene blue test	BS EN 933 Part 9

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Soil	Metals by ICP MS	EMT-M-OP-CH-DXB-MD112A
Chemical	Preforms	Acetaldehyde	EMT-M-OP-CH-DXB-MD417

Accreditation History		
Issue no.	**Details**	**Date**
15	Certificate validity was extended for 6 months from 22-10-2023 up to 21-04-2024	22-10-2023
14	Certificate validity was extended for 6 months from 22-04-2023 up to 21-10-2023	22-04-2023
13	Extension inscope	08-11-2022
12	Renewal of accreditation and reduction in scope	16-09-2020
11	Extension in scope (adding 2 tests under Hardened Concrete)	10/04/2019
10	First issuance under the name of EIAC (which was formerly known as DAC)	01/10/2018

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Issue no.: 08 **Date: 22-10-2023** **Valid to: 21-04-2024**

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Stack Emissions	Total Suspended Particulate (TSP) ,	EMT-M-OP-SA-MD003 US EPA Method 5
Chemistry	Stack Emissions	Determination of Sulphur Dioxide (SO2)	EMT-M-OP-SA-MD001 US EPA 6C
Chemistry	Stack Emissions	Determination of Nitrogen Dioxide (NO2)	EMT-M-OP-SA-MD001 US EPA Method 7E
Chemistry	Stack Emissions	Carbon Monoxide	EMT-M-OP-SA-MD001 US EPA Method 10
Chemistry	Stack Emissions	Carbon Dioxide	EMT-M-OP-SA-MD001 US EPA Method 3A
Chemistry	Stack Emissions	Oxygen	EMT-M-OP-SA-MD001 US EPA Method 3A

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Stack Emissions	Volatile Organic Compounds (VOC's)	EMT-M-OP-SA-MD002 US EPA Method 25A Using On-site FID Instruments
Chemistry	Stack Emissions	PAHs	EMT-M-OP-SA-MD003 ISO 11338
Chemistry	Stack Emissions	Dioxins, Furans and PCB's	EMT-M-OP-SA-MD003 USEPA Method 23 EN 1948
Chemistry	Stack Emissions	Heavy Metals As, Bo, Cd, Co, Cr, Cr(VI), Cu, Fe, Hg, K, Mg, Mn, Na, Ni, Pb, Mo, Se, V, Zn	EMT-M-OP-SA-MD003 USEPA Method 29 EN 14385

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Stack Emissions	Hydrogen Chloride	EMT-M-OP-SA-MD003 USEPA Method 26 EN 1191
Chemistry	Stack Emissions	Hydrogen Flouride	EMT-M-OP-SA-MD003 USEPA Method 13B & 26
Chemistry	Stack Emissions	Hydrogen Sulphide	EMT-M-OP-SA-MD003 USEPA Method 11
Chemistry	Stack Emissions	Hydrogen Cyanide	EMT-M-OP-SA-MD003 USEPA OTM 39
Chemistry	Stack Emissions	Ammonia	EMT-M-OP-SA-MD003 EN 14791
Chemistry	Stack Emissions	Sulphur Dioxide (Wet Chemical)	EMT-M-OP-SA-MD003 USEPA Method 6 EN 14791

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Stack Emissions	Sulphur Dioxide	EMT-M-OP-SA-MD022 USEPA CTM 30
Chemistry	Stack Emissions	Carbon Monoxide	EMT-M-OP-SA-MD022 USEPA CTM 30
Chemistry	Stack Emissions	Oxide of Nitrogen (as NO2)	EMT-M-OP-SA-MD022 USEPA CTM 30
Chemistry	Stack Emissions	Oxygen	EMT-M-OP-SA-MD022 USEPA CTM 30
Chemistry	Indoor Air Quality/ Ambient Atmosphere	Carbon Monoxide	EMT-M-OP-AA-MD0002 Using AQMesh Analyser
Chemistry	Indoor Air Quality/ Ambient Atmosphere	Nitric Oxide	EMT-M-OP-AA-MD0002 Using AQMesh Analyser

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Indoor Air Quality/ Ambient Atmosphere	Sulphuer Dioxide	EMT-M-OP-AA-MD0002 Using AQMesh Analyser
Chemistry	Indoor Air Quality/ Ambient Atmosphere	Ozone	EMT-M-OP-AA-MD0002 Using AQMesh Analyser
Chemistry	Indoor Air Quality/ Ambient Atmosphere	Oxides of Nitrogen (as NO2)	EMT-M-OP-NO-MD001 Using AQMesh Analyser
Chemistry	Indoor Air Quality/ Ambient Atmosphere	TSP, PM1, PM2.5 & PM10	EMT-M-OP-AA-MD003 Using an Osiris Analyser
Chemistry	Indoor Air Quality/ Ambient Atmosphere	TSP, 0.3, 0.5, 1.0, 2.5, 5.0 and 10.0 micron HCHO	EMT-M-OP-AA-MD004 Using Graywolf Analyser

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Indoor Air Quality/ Ambient Atmosphere	Carbon Dioxide (CO_2) LOD 50ppm Range 0-10,000 ppm	EMT-M-OP-AA-MD004 Using Graywolf Analyser
Chemistry	Indoor Air Quality/ Ambient Atmosphere	Carbon monoxide (CO) LOD 0.5 ppm Range 0-750 ppm	EMT-M-OP-AA-MD004 Using Graywolf Analyser
Chemistry	Indoor Air Quality/ Ambient Atmosphere	Volatile organic compound (VOC) LOD 0.02ppm Range 0-20ppm	EMT-M-OP-AA-MD004 Using Graywolf Analyser
Chemistry	Indoor Air Quality/ Ambient Atmosphere	Hydrogen Sulphide (H_2S) LOD 0.03ppm Range 0-50ppm	EMT-M-OP-AA-MD004 Using Graywolf Analyser

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Indoor Air Quality/ Ambient Atmosphere	Ozone (O_3) LOD 0.02 ppm Range 0-1 ppm	EMT-M-OP-AA-MD004 Using Graywolf Analyser
Chemistry	Indoor Air Quality/ Ambient Atmosphere	Sulphur Dioxide (SO_2) LOD 0.1ppm Range 0-30 ppm	EMT-M-OP-AA-MD004 Using Graywolf Analyser
Chemistry	Indoor Air Quality/ Ambient Atmosphere	Nitrogen Dioxide (NO_2) LOD 0.02ppm Range 0-20 ppm	EMT-M-OP-AA-MD004 Using Graywolf Analyser
Chemistry	Indoor Air Quality/ Ambient Atmosphere	Ammonia (NH_3) LOD 1ppm Range 0-100ppm	EMT-M-OP-AA-MD004 Using Graywolf Analyser
Chemistry	Indoor Air Quality/ Ambient Atmosphere	Particulate LOD 0.3um Range 0.3-145um	EMT-M-OP-AA-MD004 Using Graywolf Analyser
Chemistry	Indoor Air Quality/ Ambient Atmosphere	Formaldehyde (CH_2O) LOD 20ppb Range 0-1000ppb	EMT-M-OP-AA-MD004 Using Graywolf Analyser

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Indoor Air Quality/Personal Exposure	Sampling of LEED IAQ VOC Suite with subsequent analysis by an ISO/IEC 17025 accredited laboratory	EMT-M-OP-OH-MD001 Pumped Sampling using Sorbent Tube (Tenax/Sulficarb)
Chemistry	Indoor Air Quality/Personal Exposure	Sampling of VOCs with subsequent analysis by an ISO/IEC 17025 accredited laboratory	EMT-M-OP-OH-MD001, MDHS 96 Pumped Sampling using Sorbent Tube (Charcoal)
Chemistry	Indoor Air Quality/Personal Exposure	Sampling of BTEX (Benzene, Toluene, Ethyl Benzene, Xylene) with subsequent analysis by an ISO/IEC 17025accredited laboratory	EMT-M-OP-OH-MD001 Pumped Sampling using Sorbent Tube (Charcoal)

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Indoor Air Quality/Personal Exposure	Sampling of n-hexane, Cyclohexane, n-pentane, n-octane with subsequent analysis by an ISO/IEC 17025 accredited laboratory	EMT-M-OP-OH-MD001 Pumped Sampling using Sorbent Tube (Charcoal)
Chemistry	Indoor Air Quality/Personal Exposure	Sampling of Ammonia with subsequent analysis by an ISO/IEC 17025 accredited laboratory	EMT-M-OP-OH-MD001 Pumped Sampling using Sorbent Tube (Coated Silica)
Chemistry	Indoor Air Quality/Personal Exposure	Sampling of Formaldehyde, Acetaldehyde with subsequent analysis by an ISO/IEC 17025 accredited laboratory	EMT-M-OP-OH-MD001 ISO 16000-3 Pumped Sampling using Sorbent Tube (DNPH Coated Silica Tube)

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Indoor Air Quality/Personal Exposure	Sampling of Amines with subsequent analysis by an ISO/IEC 17025 accredited laboratory	EMT-M-OP-OH-MD001 Pumped Sampling using Sorbent Tube according NIOSH 2010 (Silica Tube)
Chemistry	Indoor Air Quality/Personal Exposure	Sampling of Hydrogen Sulphide with subsequent analysis by an ISO/IEC 17025 accredited laboratory	EMT-M-OP-OH-MD001 Pumped Sampling using Sorbent Tube (Charcoal)
Chemistry	Indoor Air Quality/Personal Exposure	Sampling of phenol with subsequent analysis by an ISO/IEC 17025 accredited laboratory	EMT-M-OP-OH-MD001 by - Pumped Sampling using Sorbent Tube (XAD 7 Tube)
Chemistry	Personal Exposure & Indoor Air Quality/Ambient Monitoring	Personal Noise Exposure Monitoring LOD 5dB Range 0-140 dB	EMT-M-OP-OH-MD002

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Personal Exposure & Indoor Air Quality/Ambient Monitoring	Inhalable Dust and Respirable Dust Exposure Monitoring LOD 0.1 mg/m^3 Range 0-30 mg/m^3	EMT-M-OP-OH-MD005
Physical	Indoor Air Quality/ Ambient atmosphere	Noise	EMT-M-OP-NO-MD001 using sound level meter ISO 1996-2
Microbiology	Air	Total Bacterial Count	EMT-M-OP-EN-SOP028
Microbiology	Air	Enumeration of Moulds	EMT-M-OP-EN-SOP028
Microbiology	Air	Enumeration of Yeast	EMT-M-OP-EN-SOP028
Sampling	Air	Total Bacterial Count	NIOSH Method 800:1998 using air sampler

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Type of Activity	Test Materials/Products	Test Name	Test Method
Sampling	Air	Air sampling for Yeast	IESO 1220:2003 using air sampler
Sampling	Air	Air sampling for Mould	IESO 1220:2003 using air sampler
Sampling	Air	Total Bacterial Count	EMT-M-OP-EN-SOP028 using settle plates

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Type of Activity	Test Materials/Products	Test Name	Test Method
Sampling	Air	Air sampling for Yeast	EMT-M-OP-EN-SOP028 using settle plates
Sampling	Air	Air sampling for Mould	EMT-M-OP-EN-SOP028 using settle plates

Accreditation History		
Issue no.	**Details**	**Date**
08	Certificate validity was extended for 6 months from 22-10-2023 up to 21-04-2024	22-10-2023
07	Certificate validity was extended for 6 months from 22-04-2023 up to 21-10-2023	22-04-2023
06	Extension in scope	08-11-2022
05	Renewal of accreditation	16/09/2020
04	Reduction in the scope by removing sampling	10/04/2019
03	First issuance under the name of EIAC (which formally was known as DAC)	01/10/2018

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Issue no.: 15 **Date: 22-10-2023** **Valid to: 21-04-2024**

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water/ Waste Water	pH	APHA 4500 H+ B
Chemistry	Water/ Waste Water	Total Suspended Solids	APHA 2540 D
Chemistry	Water/ Waste Water	Total Dissolved Solids	APHA 2540 C BS 1377 Part 3
Chemistry	Water/ Waste Water	Oil and Grease	APHA 5520 B
Chemistry	Water/ Waste Water	Biological Oxygen Demand-5 days	EMT-M-OP-CH-DXB-MD304 APHA 5210 B
Chemistry	Water/ Waste Water	Chemical Oxygen Demand	APHA 5220 B
Chemistry	Water/ Waste Water	Metals-Cu, Cd, Pb, Zn, Ni, Cr, Fe, Mn ,Ag, Co	APHA 3030 APHA 3120
Chemistry	Water / Soils	Determination of Extractable Petroleum Hydrocarbons (EPH)	EMT-M-OP-CH-DXB-MD401 EPA 8015M

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water / Soils	Determination of Poly Aromatic Hydrocarbons (PAH) in Soils and Waters by GCMS	EMT-M-OP-CH-DXB-MD403 EPA 625 & EPA 8270D
Chemistry	Water / Soils	Determination of Volatile Petroleum Hydrocarbons (VPH) by GCFID & BTEX	EMT-M-OP-CH-DXB-MD405 EPA 8015M
Chemistry	Water / Soils	Determination of Volatile Petroleum Hydrocarbons (VPH) by GCFID & BTEX	EMT-M-OP-CH-DXB-MD408 EPA 8260B
Chemistry	Water / Soils	Determination of Trace Level Mercury by PSA Cold Vapour Atomic Fluorescence Spectrometry	EMT-M-OP-CH-DXB-MD114

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water	Determination of Volatile Organic Compounds (VOC) in Waters by GCMS with Head Space	EMT-M-OP-CH-DXB-MD404A EPA 5021A
Chemistry	Water	Determination of Organo-Chlorine Pesticide (OCP) in waters by GC-ECD to EX-M-OP-CH-DXB-MD402 & EPA 8081A.	EMT-M-OP-CH-DXB-MD402 EPA 8081A
Chemistry	Water	Determination of Metals and other Elements in Potable/Drinking, Effluent & saline Waters by ICP-OES.	EMT -M-OP-CH-DXB-MD106B

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water	Determination of Metals and other Elements in Potable/Drinking, Effluent & saline Waters by ICP-OES.	EMT -M-OP-CH-DXB-MD106A
Chemistry	Water	Determination of Metals and other Elements in Potable/Drinking, Effluent & saline Waters by ICP-OES.	EMT -M-OP-CH-DXB-MD106C
Chemistry	Water	Determination of Nitrate/Nitrite, Ammoniacal Nitrogen in Waters by Segmented Flow / Colorimetry	EMT -M-OP-CH-DXB-MD323A
Chemistry	Water	Determination of Inorganics Anions in Water by Ion Chromatography	EMT -M-OP-CH-DXB-MD322

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Al Futtaim Element Materials Technology Dubai LLC

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water	Determination of Bromate by Ion Chromatography	EMT -M-OP-CH-DXB-MD320A
Chemistry	Water	Determination of Metals and Other Elements in Waters by ICP-MS	EMT -M-OP-CH-DXB-MD106D
Chemistry	Water	Organophosphorous Pesticides (OPP`s)	EMT-M-OP-CH-MD430 EPA 8270D EPA 3550C EPA 8141B
Chemistry	Water	Phenols	EMT-M-OP-CH-DXB-MD415 EPA 528
Chemistry	Water	Polychlorinated Biphenyls (PCBs)	EMT-M-OP-CH-DXB-MD416 EPA 8270D EPA 3550C

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water	Alkalinity (inc Total ,p, m, Carbonate, Bicarbonate, Hydroxide)	EMT-M-OP-CH-MD210 APHA 2320 B
Chemistry	Water	Ammoniacal Nitrogen [NH4-N]	EMT-M-OP-CH-DXB-MD302
Chemistry	Water	Chlorine Residual (Free & Total)	EMT-M-OP-CH-DXB-MD206 APHA 4500-Cl
Chemistry	Water	Colour	EMT-M-OP-CH-DXB-MD204
Chemistry	Water	Conductivity	EMT-M-OP-CH-DXB-MD201 APHA 2520 APHA 2510
Chemistry	Water	Dissolved oxygen	EMT-M-OP-CH-MD304 APHA 4500-O C

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water	Easy Liberated Cyanide (Free)	EMT-M-OP-CH-DXB-MD310 EPA 365.2
Chemistry	Water	Fluoride	EMT-M-OP-CH-DXB-MD328 EPA 340.1
Chemistry	Water	Fluoride (ISE)	EMT-M-OP-CH-DXB-MD328A
Chemistry	Water	Chloride by titration	EMT-M-OP-CH-DXB-MD325 APHA 4500 Cl
Chemistry	Water	Sulfate (gravimetric)	EMT-M-OP-CH-DXB-MD324 BS EN 196-2
Chemistry	Water	Hardness (Total and calcium)	EMT-M-OP-CH-DXB-MD211 APHA 2340 B APHA 2340 C

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water	Hexavalent Chromium	EMT-M-OP-CH-DXB-MD330 APHA 3500-Cr B
Chemistry	Water	Nitrite [Nitrite-Nitrogen]	EMT-M-OP-CH-DXB-MD317
Chemistry	Water	Nitrate [Nitrate-Nitrogen]	EMT-M-OP-CH-DXB-MD315
Chemistry	Water	Nitrogen Kjeldhal (TKN)	EMT-M-OP-CH-DXB-MD337 APHA 4500-Norg B
Chemistry	Water	Nitrogen Total (TN)	EMT-M-OP-CH-DXB-MD318 ASTM D5176
Chemistry	Water	Orthophosphate [PO4-P]	EMT-M-OP-CH-DXB-MD326 EPA 365.2

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water	Phenols (Total)	EMT-M-OP-CH-DXB-MD333 EPA 420.1
Chemistry	Water	Salinity	EMT-M-OP-CH-DXB-MD201 APHA 2510 APHA 2520
Chemistry	Water	Sulphide by titration	EMT-M-OP-CH-DXB-MD332A
Chemistry	Water	Sulphide by colorimetry	EMT-M-OP-CH-DXB-MD332B
Chemistry	Water	Total Organic Carbon (TOC)	EMT-M-OP-CH-DXB-MD319 APHA 5310 B
Chemistry	Water	Turbidity	EMT-M-OP-CH-DXB-MD203 APHA 2130A

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Water	Chlorate, Chlorite	EMT-M-OP-CH-DXB-MD309 APHA 4110 D
Chemistry	Water	Silica	EMT-M-OP-CH-DXB-MD327
Chemistry	Water	Fixed and volatile solids	APHA 2540 G
Chemistry	Water	Oxidation/reduction Potential	APHA 2580 B
Chemistry	Soils	Determination of metals by ICP OES	EMT -M-OP-CH-DXB-MD112 APHA 3050 B APHA 3120 B
Chemistry	Soils	Determination of Volatile Organic Compounds (VOC) in Soils by GCMS with Head Space	EMT -M-OP-CH-DXB-MD404B EPA 5021A EPA 8260B

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Soil / Sediment	Boron (Hot Water Extraction)	EMT-M-OP-CH-DXB-MD140 APHA 3120 B
Chemistry	Soil / Sediment	Hexavalent Chromium	EMT-M-OP-CH-DXB-MD330 APHA 3500-Cr B
Chemistry	Soil / Sediment	Easy Liberated Cyanide (Free)	EMT-M-OP-CH-DXB-MD310 EPA 365.2
Chemistry	Soil / Sediment	Phenols	EMT-M-OP-CH-DXB-MD415A EPA 8270D
Chemistry	Soil / Sediment	Polychlorinated Biphenyls (PCB's)	EMT-M-OP-CH-DXB-MD416 EPA 3350C EPA 8270D
Chemistry	Soil / Sediment	Fluoride	EMT-M-OP-CH-DXB-MD328 EPA 340.1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Soil / Sediment	Sulphide	EMT-M-OP-CH-DXB-MD332 APHA 4500 S
Chemistry	Soil / Sediment	Nitrate	EMT-M-OP-CH-DXB-MD315A EMT-M-OP-CH-DXB-MD315
Chemistry	Soil / Sediment	Nitrite	EMT-M-OP-CH-DXB-MD317
Chemistry	Soil / Sediment	Ammonia	EMT-M-OP-CH-DXB-MD302
Chemistry	Soil / Sediment	Ortho phosphate	EMT-M-OP-CH-DXB-MD326 EPA 365.2
Chemistry	Soil / Sediment	Total, organic and TKN nitrogen	EMT-M-OP-CH-DXB-MD337

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Soil / Sediment	Organochlorine Pesticide (OCP)	EMT-M-OP-CH-MD402
Chemistry	Water & Soil	Nitrate, Nitrite, Ammonia, Cyanide, Orthophosphate, Hexavalent chromium, Sulfate, Chloride, Phenols, Silica, Fluoride	Skalar/EMT-M-OP-CH-DXB-MD323C
Microbiology	Water/ Waste Water	Total Bacterial count	APHA 9215B/ colony count technique
Microbiology	Water/ Waste Water	Enumeration of Total coliform	APHA 9223 B/ MPN
Microbiology	Water/ Waste Water	Enumeration of Total coliform	APHA 9222 B/ MF colony count technique
Microbiology	Water/ Waste Water	Enumeration of E. coli	APHA 9223 B/ MPN
		Enumeration of Faecal Coliforms	APHA 9222 D/ MF colony count technique

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Type of Activity	Test Materials/Products	Test Name	Test Method
		Enumeration of Enterococci (Faecal	BS EN ISO 7899-2
	Water: Drinking water Bottled water Potable water Pool and spa water Irrigation water Cooling tower Dental clinic water Fountain water	Enumerati on 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
		Enumeration of Clostridium perfringens	Standing Committee of Analysts - The Microbiological of Drinking Water Part 6 Method C
Microbiology	Water: Drinking water Bottled water Potable water Pool and spa water Irrigation water Cooling tower	Listeria monocytogenes (presence/absence)	EMT-M-OP-EN-MD018 CCFRA 3.2.4
		Enumeration of E.coli	APHA 9222 I
		Enumeration of E.coli	APHA 9221 F

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Type of Activity	Test Materials/Products	Test Name	Test Method
	Dental clinic water Fountain water	Enumeration of Enterococci (Faecal Streptococci)	EMT-M-OP-EN-MD019 APHA 9230 D ASTM D6503 Using Idexx Enterolert
		Enumeration of Enterococci (Faecal Streptococci)	EMT-M-OP-EN-MD005 BS EN ISO 7899-2
		Enumeration of Faecal Coliform	APHA 9221 E
		Enumeration of Enterococci (Faecal Streptococci) (Enterococci)	APHA 9230 C
Microbiology	Water: Drinking water Bottled water Potable water Pool and spa water Irrigation water	Enumeration of Pseudomonas aeruginosa	EMT-M-OP-EN-MD006 BS EN ISO 16266
		Detection of Salmonella species (Presence/Absence)	APHA 9260 B

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Type of Activity	Test Materials/Products	Test Name	Test Method
	Cooling tower Dental clinic water Fountain water	Enumeration of Sulphite Reducing Clostridia	Standing Committee of Analysts - The Microbiological of Drinking Water Part 6 Method A
		Enumeration of Total Coliform	APHA 9221 B
		Detection of Vibrio parahaemolyticus (Presence/Absence)	Standing Committee of Analysts - The Microbiological of Drinking Water Part 10 Method B
Microbiology	Water: Drinking water Bottled water Potable water Pool and spa water	Enumeration of Yeast	MFHPB-22 Colony count technique

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Type of Activity	Test Materials/Products	Test Name	Test Method
	Irrigation water Cooling tower Dental clinic water Fountain water	Enumeration of Moulds	MFHPB-22 Colony count technique
	Soil / Sediment	Enumeration of E. coli	APHA 9221 F
		Enumeration of Faecal Coliform	APHA 9221 E
		Detection of Salmonella species (Presence / Absence)	UK Standing Committee of Analysts - The Microbiological of Sludge Part 4
		Enumeration of Total Coliform	APHA 9221 B
Sampling	Water	Water Sample Collection for Legionella Testing	BS 7592 Section 2: Routine sSampling

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Type of Activity	Test Materials/Products	Test Name	Test Method
Sampling	Swabs	General Swab Sampling	EMT-M-OP-EN-SOP026 ISO 18593

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Issue no.	**Details**	**Date**
15	Certificate validity was extended for 6 months from 22-10-2023 up to 21-04-2024	22-10-2023
14	Certificate validity was extended for 6 months from 22-04-2023 up to 21-10-2023	22-04-2023
13	Extension in scope	08-11-2022
12	Renewal of accreditation, extension in scope (add Total Dissolved Solids BS 1377 Part 3) and voluntary reduction (remove Enterobacteriacaea test)	16-09-2020
11	Extension in scope	05-04-2020
10	Extension in scope	10-04-2019

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Metallurgy Testing

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Al Futtaim Element Materials Technology Dubai LLC

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Issue no.: 06 **Date: 22-10-2023** **Valid to: 21-04-2024**

Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical & Metallurgical	Iron, steel and other ferrous/non ferrous metals	Standard Test Methods and Definitions for Mechanical Testing of Steel Products Standard Test Methods for Notched Bar Impact Testing of Metallic Materials Metallic materials. Charpy pendulum impact test. Test method Charpy impact test (temperature range -196°C to ambient temperature)	ASTM A370 ASTM E23 BS EN ISO 148-1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical & Metallurgical	Iron, steel and other ferrous/non ferrous metals	Standard Test Methods for Tension Testing of Metallic Materials Metallic materials. Tensile testing. Method of test at room temperature Tensile test (forces up to 2000 kN)	ASTM E8/E8M BS EN ISO 6892-1 API 5L 46th Edition ASTM A370
Mechanical & Metallurgical	Iron, steel and other ferrous/non ferrous metals	Standard Test Methods for Vickers Hardness and Knoop Hardness of Metallic Materials Metallic materials. Vickers hardness test. Calibration of referENce blocks Vickers hardness test (HV5 & HV10)	ASTM E92 BS EN ISO 6507-1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical & Metallurgical	Reinforcing bars, wire rod and wire for reinforcement of concrete	Steel for the reinforcement of concrete. Weldable reinforcing steel. Bar, coil and decoiled product. Specification Mass per unit length	BS 4449 +A3
Mechanical & Metallurgical	Weldments	Qualification standard for welding and brazing procedures, welders, brazers, and welding and brazing operators Structural Welding Code –SteeL Welding of Pipelines and Related Facilities Destructive tests on welds in metallic material Bend test	ASME IX AWS D1.1/D1.1M API 1104 22nd Edition BS EN ISO 5173 + A1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical & Metallurgical	Weldments	Destructive tests on welds in metallic materials. Fracture test Fracture & nick break test	BS EN ISO 9017 API 1104 22nd Edition ASME IX AWS D1.1/D1.1M
Mechanical & Metallurgical	Weldments	Destructive tests on welds in metallic materials. Hardness testing. Hardness test on arc welded joints Hardness	BS EN ISO 9015-1 API 1104 22nd Edition ASME IX AWS D1.1/D1.1M
Mechanical & Metallurgical	Weldments	Destructive tests on welds in metallic materials. Macroscopic and microscopic examination of welds Macro examination	BS EN ISO 17639 API 1104 22nd Edition ASME IX AWS D1.1/D1.1M

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical & Metallurgical	Weldments	Destructive tests on welds in metallic materials. Transverse tensile test Destructive tests on welds in metallic materials. Longitudinal tensile test on weld metal in fusion welded joints Tensile	BS EN ISO 4136 BS EN ISO 5178 API 1104 22nd Edition ASME IX AWS D1.1/D1.1M
Mechanical/ Physical	Steel	Carbon Steel Bars for the reinforcement of Concrete (Steel bend tests)	BS 4449 Appendix C Clause C.1.6.1 ASTM A615/A615M
Mechanical/ Physical	Steel	Carbon Steel Bars for the reinforcement of Concrete (Steel tensile strength test)	BS 4449 BS EN ISO 15630-1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Steel	Carbon Steel Bars for the reinforcement of Concrete (Steel rebend tests)	BS 4449 Annex E Clause E.1.6
Chemistry	Carbon Steel, Low Alloy Steel, and Stainless Steel	Chemical analysis of metals by Optical Emission Spectrometer	EMT-M-OP-CH-MD101, ASTM E415 ASTM A751 ASTM E1086

Accreditation History		
Issue no.	**Details**	**Date**
06	Certificate validity was extended for 6 months from 22-10-2023 up to 21-04-2024	22-10-2023
05	Certificate validity was extended for 6 months from 22-04-2023 up to 21-10-2023	22-04-2023
04	Extension in scope and slight changes in some Test methods	08-11-2022
03	Renewal of accreditation	16/09/2020
02	First issuance under the name of EIAC (Which was formerly known as DAC)	01/10/2018

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Food Testing

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Al Futtaim Element Materials Technology Dubai LLC

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Issue no.: 11 **Date: 22-10-2023** **Valid to: 21-04-2024**

Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Swabs: Swabs from food chain environments and personnel	Enumeraition of Yeast	EMT-M-OP-EN-MD011 MFHPB-22
Microbiology	Swabs: Swabs from food chain environments and personnel	Enumeration of Mould	EMT-M-OP-EN-MD011 MFHPB-22
Microbiology	Food	Colony Count	ISO 4833-1 Amd 1:2022
Microbiology	Food	Enumeration of Enterobacteriaceae	ISO 21528-2
Microbiology	Food	Enumeration of Total Coliform	ISO 4832
Microbiology	Food	Detection of Listeria species including Listeria monocytogenes	ISO 11290-1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Food	Detection of Salmonella species	ISO 6579-1 AMD 1:2020
Microbiology	Food	Enumeration of Coagulase positive staphylococci including Staphylococcus aureus	ISO 6888-1
Microbiology	Food	Aerobic Plate Count	AOAC OMA 990.12 3M Petrifilm method
Microbiology	Food	Enumeration of Coliforms	AOAC OMA 991.14 3M Petrifilm method
Microbiology	Food	Enumeration of E.coli	Selective E.coli, 3M Petrifilm method, version 2
Microbiology	Food	Enumeration of Staphylococcus aureus	AOAC OMA 2003.7, 2003.8 & 2003.11 3M Petrifilm method
Microbiology	Food	Enumeration of Enterobactericeae	AOAC OMA 2003.01 3M Petrifilm method

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Food	Enumeration of Yeast	AOAC OMA 997.02 3M Petrifilm method
Microbiology	Food	Enumeration of Mould	AOAC OMA 997.02 3M Petrifilm method
Microbiology	Food	Enumeration of E.coli	ISO 7251
Microbiology	Food	Enumeration of Bacillus cereus	ISO 7932 AMD 1:2020
Microbiology	Food	Enumeration of Clostridium perfringens	ISO 7937
Microbiology	Food	Enumeration of Yeast	MFHPB-22 Colony count technique
Microbiology	Food	Enumeration of Moulds	MFHPB-22 Colony count technique
Microbiology	Sea food and sea food products	Detection of Vibrio cholerae	ISO 21872-1
Microbiology	Sea food and sea food products	Detection of Vibrio parahaemolyticus	ISO 21872-1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Swabs: Swabs from food chain environments and personnel	Colony Count	ISO 4833-1 Amd 1:2022
Microbiology	Swabs: Swabs from food chain environments and personnel	Enumeration of Enterobacteriaceae	ISO 21528-2
Microbiology	Swabs: Swabs from food chain environments and personnel	Enumeration of Total Coliform	ISO 4832
Microbiology	Swabs: Swabs from food chain environments and personnel	Detection of Listeria species including Listeria monocytogenes	ISO 11290-1
Microbiology	Swabs: Swabs from food chain environments and personnel	Detection of Salmonella species	ISO 6579-1 AMD 1:2020

مـركـز الإمـارات الـعـالـمـي لـلاعـتـمـاد
Emirates International Accreditation Centre

Accreditation Scope

Food Testing

LB-TEST-002

Al Futtaim Element Materials Technology Dubai LLC

Plot 598-221 | Dubai Investment Park |, Jebel Ali

Dubai | United Arab Emirates

Issue no.: 11 **Date: 22-10-2023** **Valid to: 21-04-2024**

Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Swabs: Swabs from food chain environments and personnel	Enumeration of Coagulase positive staphylococci including Staphylococcus aureus	ISO 6888-1
Microbiology	Swabs: Swabs from food chain environments and personnel	Aerobic Plate Count	AOAC OMA 990.12 3M Petrifilm method
Microbiology	Swabs: Swabs from food chain environments and personnel	Enumeration of Coliforms	AOAC OMA 991.14 3M Petrifilm method
Microbiology	Swabs: Swabs from food chain environments and personnel	Enumeration of E.coli	Selective E.coli, 3M Petrifilm method, version 2

مـركـز الإمـارات الـعـالـمـي لـلاعـتـمـاد
Emirates International Accreditation Centre

Accreditation Scope

Food Testing

LB-TEST-002

Al Futtaim Element Materials Technology Dubai LLC

Plot 598-221 | Dubai Investment Park |, Jebel Ali

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Issue no.: 11 **Date: 22-10-2023** **Valid to: 21-04-2024**

Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Swabs: Swabs from food chain environments and personnel	Enumeration of Staphylococcus aureus	AOAC OMA 2003.7, 2003.8 & 2003.11, 3M Petrifilm method
Microbiology	Swabs: Swabs from food chain environments and personnel	Enumeration of Enterobactericeae	AOAC OMA 2003.01 3M Petrifilm method
Microbiology	Swabs: Swabs from food chain environments and personnel	Enumeration of Yeast	AOAC OMA 997.02 3M Petrifilm method

مـركـز الإمـارات الـعـالـمـي لـلاعـتـمـاد
Emirates International Accreditation Centre

Accreditation Scope

Food Testing

LB-TEST-002

Al Futtaim Element Materials Technology Dubai LLC

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Issue no.: 11 **Date: 22-10-2023** **Valid to: 21-04-2024**

Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Swabs: Swabs from food chain environments and personnel	Enumeration of Mould	AOAC OMA 997.02 3M Petrifilm method

Issue no.	Details	Date
11	Certificate validity was extended for 6 months from 22-10-2023 up to 21-04-2024	22-10-2023
10	Certificate validity was extended for 6 months from 22-04-2023 up to 21-10-2023	22-04-2023
09	Voluntary reduction and extention in scope	21-03-2022
08	Reduction in scope (remove CCFRA manual reference for microbiology and chemistry food testing)	21-03-2022
07	Renewal of accreditation and voluntary reduction (Remove Pseudomonas species& Pseudomonas Aeruginosa)	16-09-2020
06	Extension in scope	05-04-2020
05	First issuance under the name of EIAC (Which was formerly known as DAC)	1-10-2018

مـركـز الإمـارات الـعـالـمـي لـلاعـتـمـاد
Emirates International Accreditation Centre

Accreditation Scope

Construction Materials- Green Building Testing

LB-TEST-002

Al Futtaim Element Materials Technology Dubai LLC

Plot 598-221 | Dubai Investment Park |, Jebel Ali

Dubai | United Arab Emirates

Issue no.: 04 **Date: 22-10-2023** **Valid to: 21-04-2024**

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemistry	Paint	Determination of VOCs in paint by gas chromatography	EMT-M-OP-CH-DOH-MD404C ISO 11890 Part 2
Chemistry	Paint	Determination of VOCs in paint by difference	EMT-M-OP-CH-DOH-MD404D EPA 24 ISO 11890 Part 1 ASTM D3960 ASTM D2369
Chemistry	Paint	Determination of trace metals in Paint	EMT-M-OP-CH-DXB-MD108

Accreditation History		
Issue no.	**Details**	**Date**
04	Certificate validity was extended for 6 months from 22-10-2023 up to 21-04-2024	22-10-2023
03	Certificate validity was extended for 6 months from 22-04-2023 up to 21-10-2023	22-04-2023
02	Renewal of accreditation and reduction in scope (remove test: Determination of water content in Paint)	16/09/2020
01	Granted accreditation from EIAC	05/04/2020