



# ACCREDITATION CERTIFICATE

**LB-TEST-008**

**Emirates International Accreditation Centre**

has accredited

**MATERIAL LAB**

Al Quoz Industrial Area 4

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: 07/03/2022 to 06/03/2025

Initial Accreditation Date: 05/02/2004



  
CHIEF EXECUTIVE OFFICER  
APPROVAL



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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Water proofing membrane	Standard Test Method for Water Absorption of Plastics	ASTM D570
Mechanical/ Physical	Water proofing membrane	Special Directive for the Assessment of Reinforced Water proof Covering of Atactic Polypropylene (APP) polymer Bitumen and Styrene Butadiene-styrene(SBS) Elastomeric Bitumen-Heat Resistance	European Union of Agreement, UEA tc M.O.AT 30 & 31 Para E
Mechanical/ Physical	Water proofing membrane	Flexible sheets for waterproofing. Determination of tensile properties. Bitumen sheets for roof waterproofing	EN 12311-1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Water proofing membrane	Standard Test Methods for Water Vapor Retarders Used in Contact with Earth under Concrete Slabs, on Walls, or as Ground Cover- Resistance to Puncture	ASTM E154 section 10
Mechanical/ Physical	Water proofing membrane	General Directive for the assessment of Roof Waterproof Systems- Resistance to static Indentation	European Union of Agreement, UEA tc M.O.A.T No. 27 Para 5.1.9

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Water proofing membrane	Flexible sheets for waterproofing Part 1: Bitumen sheets for roof waterproofing – Test for determination of resistance to tearing (nail Shank)	EN 12310-1
Mechanical/ Physical	Water proofing membrane	General Directive for the assessment of Roof Waterproof Systems- Test for resistance to tearing	European Union of Agreement, UEA tc M.O.A.T No. 27 Para 5.4.1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Water proofing membrane	Special Directive for the Assessment of Reinforced Waterproof Covering of Atactic Polypropylene (APP) polymer Bitumen and Reinforce homogenouswaterproof covering of Styrene Butadiene-Styrene (SBS) Elastomer Bitumine Tensile strength at break elongation at Break	European Union of Agreement, UEA tc M.O.A.T No. 30 & 31 Para C
Mechanical/ Physical	Water proofing membrane	Standard Test Methods for Sampling and Testing Modified Bituminous Sheet Material Load Strain Properties & Tear strength	ASTM D5147 Clause: 7 & Clause: 8

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Water proofing membrane	Flexible sheets for waterproofing. Determination of thickness and mass per unit area. Bitumen sheets for roof waterproofing	EN 1849-1

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Mechanical/ Physical	Water proofing membrane	Special Directive for the Assessment of Reinforced Water proof Covering of Atactic Polypropylene(APP) Polymer Bitumen and reinforced homogenous water proof covering of Styrene Butadiene-styrene(SBS) Elastomeric Bitumen. Determination of thickness and mass per unit area	European Union of Agreement, UEA tc M.O.A.T No. 30 & 31 Para A & B

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Mechanical/ Physical	Water proofing membrane	Special Directive for the Assessment of Reinforced Water proof Covering of Styrene Butadiene-styrene(SBS) Elastomeric Bitumen-Reinforcement	European Union of Agreement, UEA tc M.O.AT 31, Para f UEA technical guide for the assessment of roof water proofing system Method A
Mechanical/ Physical	Water proofing membrane	Standard Test Method for Tensile-Tear Strength of Bituminous Roofing Membranes	ASTM D4073
Mechanical/ Physical	PVC water Stopper	Method of testing plastics, Mechanical properties, Tensile strength, Elongation and Elastic Modulus- Tensile strength and elongation test	BS 2782 Part 3 Method 320C



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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	PVC water Stopper	Standard Test Method for Rubber Property- Durometer Hardness Shore A hardness	ASTM D2240 Shore A
Mechanical/ Physical	Geo Synthetics/ Geotextiles	Geo synthetics. Static puncture test (CBR test)	BS EN ISO 12236
Mechanical/ Physical	Geo Synthetics/ Geotextiles	Standard Test Method for Index Puncture Resistance of Geomembranes and Related Products	ASTM D4833
Mechanical/ Physical	Geo Synthetics/ Geotextiles	Standard Test Method for Trapezoid Tearing Strength of Geotextiles	ASTM D4533

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Hardened Concrete	Testing hardened concrete. Depth of penetration of water under pressure	BS EN ISO 12390 Part 8
Mechanical/ Physical	Hardened Concrete	Testing concrete; testing of hardened concrete (specimens prepared in mould) Depth of penetration of water under pressure	DIN 1048 Part 5
Mechanical/ Physical	Hardened Concrete	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	Hardened Concrete	Testing concrete Part 122: Method for determination of water absorption	BS 1881 Part 122
Mechanical/ Physical	Hardened Concrete	Part 111: Method of normal curing of test specimens (20°C method) Part 114: Methods for determination of density of hardened concrete Part 116: Method for determination of compressive strength of concrete cubes	BS 1881 Part 111 AMD 9387 BS 1881 Part 114 AMD 6721 BS 1881 Part 116 AMD 6097 & AMD 6720

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Hardened Concrete	Testing concrete Part 208: Recommendations for the determination of the initial surface absorption of concrete	BS 1881 Part 208
Mechanical/ Physical	Hardened Concrete	Testing hardened concrete Part 2: Making and curing specimens for strength tests	BS EN ISO 12390 Part 2
Mechanical/ Physical	Steel	Specification for Carbon steel bars for the reinforcement of concrete- Steel bend tests	BS 4449 Appendix C, Clause C.1.6.1

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Mechanical/ Physical	Steel	Specification for Carbon steel bars for the reinforcement of concrete- Steel tensile strength test	BS 4449 Annex E Clause E.1.4 BS EN 10002-1
Mechanical/ Physical	Steel	Specification for Carbon steel bars for the reinforcement of concrete- Steel re-bend tests	BS 4449 Annex E Clause E.1.6
Mechanical/ Physical	Steel	Steel for the reinforcement of concrete. Weldable reinforcing steel. Bar, coil and decoiled product. Specification Steel for the reinforcement and pre stressing of concrete. Test methods.	BS 4449 +A3 BS EN ISO 15630 - 1

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Mechanical/ Physical	Steel	Steel for the reinforcement of concrete. Weldable reinforcing steel. Bar, coil and decoiled product. Specification Steel for the reinforcement and pre stressing of concrete. Test methods. Reinforcing bars, wire rod and wire Tensile & Elongation	BS 4449 +A3 BS EN ISO 15630 - 1

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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 9: In-situ tests (Sand replacement method suitable for fine, medium and coarse grained soils (large and small pouring cylinder method)	BS 1377 Part 9 Clause 2.1 & Clause 2.2 AMD 8264

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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 4: Compaction-related tests. Determination of the California bearing ratio (CBR): - Preparation of test sample - Soaking	BS 1377 Part 4 Clause 7 AMD 13925



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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 Determination of the liquid limit - Cone penetrometer method (definitive method)	BS 1377 Part 2 Clause 4.3 AMD 9027

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Soil	<p>Methods of test for Soils for civil engineering purposes</p> <p>Part 4: Compaction-related tests.</p> <p>Determination of dry density/moisture content relationship:</p> <ul style="list-style-type: none"> <li>- Method using 4.5 kg rammer for soils with particles up to medium-gravel size</li> <li>- Method using 4.5 kg rammer for soils with some coarse gravel-size particles</li> </ul>	<p>BS 1377 Part 4 Clause 3.5 and Clause 3.6</p> <p>AMD 13925</p>

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Mechanical/ Physical	Soil	Methods of test for Soils for civil engineering purposes Part 2: Classification tests Determination of particle size distribution- Wet sieving method & Dry Sieving Method	BS 1377 Part 2 Clause 9.2 & Clause 9.3 AMD 9027
Mechanical/ Physical	Soil	Methods of test for soils for civil engineering purposes Part 2: Classification tests Determination of Plastic Limit and Plasticity Index - Method for plastic limit - Derivation of plasticity index and liquidity index	BS 1377 Part 2 Clause 5.3 & Clause 5.4 AMD 9027

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Aggregate	Testing aggregates Part 103: Methods for determination of particle size distribution Section 103.1 Sieve tests	BS 812 Part 103 Section 103.1 Clause 7.2 and 7.3 AMD 6003
Mechanical/ Physical	Aggregate	Standard Test Method for Materials Finer than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	ASTM C117
Mechanical/ Physical	Aggregate	Standard Test Method for Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	ASTM C127

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Aggregate	Standard Test Method for Relative Density (Specific Gravity), and Absorption of Fine Aggregate	ASTM C128
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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Type of Activity	Test Materials/Products	Test Name	Test Method
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
Mechanical/ Physical	Blocks	Precast concrete masonry units Part 1: Specification for precast concrete masonry units- Measurement of dimension	BS 6073 Part 1 Appendix A AMD 4462

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Blocks	Precast Concrete Masonry Units Part 2: Method For Specifying Precast Concrete Masonry Units- Routine rapid control test of compressive strength of blocks by manufacturer (fibre board test)	BS 6073 Part 2 Appendix B AMD 4508
Mechanical/ Physical	Blocks	Precast concrete paving blocks Part 1: Specification for paving blocks- Determination of Compressive strength	BS 6717 Part 1 Annex B

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Blocks	Precast concrete paving blocks Part 1: Specification for paving blocks- Measurement of dimension and plan area	BS 6717 Part 1 Annex A
Mechanical/ Physical	Blocks	Precast concrete masonry units - Part 2: Method for specifying precast concrete masonry units Determination of Concrete Density of Hollow Block	BS 6073 Part 2 Annex C AMD 4508



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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Rock Core	Standard Test Methods for Compressive Strength and Elastic Moduli of Intact Rock Core Specimens under Varying States of Stress and Temperatures	ASTM D7012 Method C
Mechanical/ Physical	Rock Core	Standard Practices for Preparing Rock Core as Cylindrical Test Specimens and Verifying Conformance to Dimensional and Shape Tolerances	ASTM D4543

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Type of Activity	Test Materials/Products	Test Name	Test Method
Thermal	Architectural Glass	Glass in building. Determination of thermal transmittance (U value). Calculation method	EN 673 / Ashrae
Thermal	Architectural Glass	Glass in building. Determination of luminous and solar characteristics of glazing Determination of solar direct transmittance, Direct reflectance, Direct Absorptance, total solar energy transmittance, shading Co-efficient	EN 410 Clause 4.4

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Type of Activity	Test Materials/Products	Test Name	Test Method
Thermal	Architectural Glass	Glass in building. Determination of luminous and solar characteristics of glazing Determination of visible light properties (light transmittance, light reflection)	EN 410 Clause 4.2 & Clause 4.3
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 & Water Soluble)	BS 1377 Part 3+A1 Clause 7

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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	BS 1377 Part 3 Clause 4
Chemical	Soil	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical tests Determination of the chloride (Acid Soluble & Water Soluble)	BS 1377 Part 3 Clause 9

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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 Part 3 Clause 12
Chemical	Soil	Total Dissolved Solids of Soil	SOP31/Earth Manual (Designation E-8)
Chemical	Soil	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical testing Carbonate Content of Soil	BS 1377 Part 3+A1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Ground Water	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical tests- Determination of pH value	BS 1377 Part 3+A1 Clause 12
Chemical	Ground Water	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical tests Determination of the sulphate content ground water	BS 1377 Part 3 Clause 7

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Chemical	Ground Water	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical tests- Determination of the chloride content	BS 1377 Part 3+A1 Clause 9
Chemical	Concrete cubes	Standard Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	ASTM C1202
Chemical	Carbon low alloy steels	Standard Test Method for Analysis of Carbon and Low-Alloy Steel by Spark Atomic Emission Spectrometry for C, S, P, N, Mn ,Cr, Mo, V, Ni, Cu+(CEV)	MLD GMS based on ASTM E415

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Type of Activity	Test Materials/Products	Test Name	Test Method
Fire Resistance	Non load bearing Concrete blocks, Wall	Fire resistance tests for non-load bearing elements. Part 1. Walls Performance criteria Integrity ,Insulation and Radiation	BS EN 1364-1 Including the relevant requirements of BS EN 1363-1 and BS EN 1363-2
Fire Resistance	Doors, Shutters and open able windows	Fire resistance and smoke control tests for door and shutter assemblies, open able windows and elements of building hardware. Fire resistance test for door and shutter assemblies and open able windows Performance criteria Integrity ,Insulation and Radiation	BS EN 1634-1 Including the relevant requirements of BS EN 1363-1 and BS EN 1363-2



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Type of Activity	Test Materials/Products	Test Name	Test Method
Fire Resistance	Building materials and structures	Fire tests on building materials and structures- method for determination of the fire resistance of elements of construction (general principles) (non load bearing only) Performance criteria Integrity ,Insulation and Radiation	BS 476.20

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Fire Resistance	Building materials and structures	Fire tests on building materials and structures- method for determination of the fire resistance of non-load bearing elements of construction Performance criteria Integrity ,Insulation and Radiation	BS 476.22
Fire Resistance	Building materials and structures	Fire-resistance tests - Elements of building construction - Part 1: General requirements (non load bearing only) Performance criteria Integrity ,Insulation and Radiation	ISO 834-1

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Fire Resistance	Building materials and structures	Fire-resistance tests -- Elements of building construction -- Part 8: Specific requirements for non-load bearing vertical separating elements Performance criteria Integrity ,Insulation and Radiation	ISO 834-8
Fire Resistance	Doors and shutters	Fire resistance tests- Door and shutter assemblies. Performance criteria Integrity ,Insulation and Radiation	ISO 3008

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Fire Resistance	Building construction – glazed elements	Fire-resistance tests - Elements of building construction - Glazed elements Performance criteria Integrity ,Insulation and Radiation	ISO 3009
Fire Testing for Building Materials and Products	Door Assemblies	Fire Tests of Door Assemblies	UL 10B
Fire Testing for Building Materials and Products	Door Assemblies	Positive Pressure Fire Tests of Door Assemblies	UL 10C
Fire Testing for Building Materials and Products	Building materials and structures	Fire tests of building construction and materials (non-load bearing vertical elements only)	UL 263

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Type of Activity	Test Materials/Products	Test Name	Test Method
Fire Testing for Building Materials and Products	Building materials and structures	Standard Test Methods for Fire Tests of Building Construction and Materials (non-load bearing vertical elements only)	ASTM E119
Application of Hose Stream	Building materials and structures	Standard Practice for Application of Hose Stream	ASTM E2226
Reaction to Fire	Building Products	Reaction to fire tests for floorings Part 1: Determination of the burning behaviour using a radiant heat source	BS EN ISO 9239 Part 1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Reaction to Fire	Building Products	Reaction to fire tests — Ignitability of products subjected to direct impingement of flame Part 2: Single-flame source test	EN ISO 11925 Part 2
Reaction to Fire	Building Products	Reaction to fire tests for products — Determination of the gross heat of combustion (calorific value)	BS EN ISO 1716
Reaction to Fire	Building Products	Reaction to fire tests for products — Non-combustibility test	BS EN ISO 1182

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**Valid to: 06-03-2025**

Type of Activity	Test Materials/Products	Test Name	Test Method
Reaction to Fire	Building Products	Reaction to fire tests for building products. Building products excluding floorings exposed to the thermal attack by a single burning item	BS EN 13823+A1
Reaction to Fire	Building Products	Standard Test Method for Determining Ignition Temperature of Plastics	ASTM D1929
Reaction to Fire	Building Products	Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source	ASTM E648

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**Issue no.: 15**

**Date: 22-05-2023**

**Valid to: 06-03-2025**

Type of Activity	Test Materials/Products	Test Name	Test Method
Reaction to Fire	Building Products	Reaction to Fire Test: Fire Tests for Flame Propagation of Textiles and Films	NFPA 701 (2023) (method 1 & method 2) excluding accelerated dry cleaning and accelerated laundering procedures
Reaction to Fire	Building Products	Furniture. Assessment of the ignitability of upholstered furniture - Ignition source smouldering cigarette	BS EN 1021 Part 1
Reaction to Fire	Building Products	Furniture. Assessment of the ignitability of upholstered furniture. Ignition source match flame equivalent	BS EN 1021 Part 2



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Type of Activity	Test Materials/Products	Test Name	Test Method
Reaction to Fire	Building Products	Methods of test for assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources	BS 5852
Reaction to Fire	Building Products	Fire classification of construction products and building elements Part 1: Classification using data from reaction to fire tests	EN 13501 Part 1
Reaction to Fire	Building Products	Specification for resistance to ignition of upholstered furniture for non-domestic seating by testing composites	BS 7176+A1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Reaction to Fire	Building Products	Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750°C	ASTM E136

Accreditation History		
Issue no.	Details	Date
15	Extension in scope (add Chemical-Soil: Total Dissolved Solids of Soil & Carbonate Content of Soil) and Reaction to Fire tests	22-05-2023
14	Renewal accreditation and voluntarily reduction in the scope (remove Building Products tests)	07-03-2022
13	Renewal accreditation and first issuance under the name of Eiac (which formally was known as DAC)	07-03-2019

**Accreditation Scope**  
**Geotechnical Investigation**  
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**Issue no.: 05**

**Date: 07-03-2022**

**Valid to: 06-03-2025**

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical	Rock	Code of practice for site investigations Section 6: Description of soils and rocks- Description of rock masses- Rock quality designation	BS 5930 Clause 44.4.4 A2
Physical / Mechanical	Rock	Code of practice for site investigations Section 6: Description of soils and rocks- Description of rock masses- Core recovery	BS 5930 Clause 44.4.4 A2
Physical / Mechanical	Rock	Code of Practice for Site Investigations- Geotechnical Reporting Section 7: Reporting	BS 5930 Section 7 A2 (Factual Reporting only)

**Accreditation Scope**  
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**Issue no.: 05**

**Date: 07-03-2022**

**Valid to: 06-03-2025**

Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Rock Core	Standard Test Methods for Compressive Strength and Elastic Moduli of Intact Rock Core Specimens under Varying States of Stress and Temperatures	ASTM D7012 Method C
Mechanical/ Physical	Rock Core	Standard Practices for Preparing Rock Core as Cylindrical Test Specimens and Verifying Conformance to Dimensional and Shape Tolerances	ASTM D4543

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**Issue no.: 05**

**Date: 07-03-2022**

**Valid to: 06-03-2025**

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical	Ground Water	Code of practice for site investigations- Ground water level measurement Section 3: Field investigations- Methods of determining groundwater pressures Section 4: Field tests- Observation wells Section 7: Reports and interpretation- Descriptive report	BS 5930 Clause 23.2 & Clause 27.5 & Clause 47.2.7 A2
Physical / Mechanical	Ground Water	Code of practice for site investigations Section 3: Field investigations- Groundwater samples	BS 5930 Clause 23.3 A2

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**Issue no.: 05**

**Date: 07-03-2022**

**Valid to: 06-03-2025**

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical	Soil Investigation	Methods of test for soils for civil engineering purposes Part 9: In-situ tests In Situ penetration test- Determination of the penetration resistance using the split-barrel sampler (the standard penetration test SPT)	BS 1377 Part 9 Section 3.3 AMD 8264
Physical / Mechanical	Soil Investigation	Code of practice for site investigations Section 3: Field investigations- Soil Sampling: • Light cable percussion boring Split barrel Sampling	BS 5930 Clause 20.5 and Clause 22 A2



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**Date: 07-03-2022**

**Valid to: 06-03-2025**

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical	Soil Investigation	Code of practice for site investigations Section 6: Description of soils and rocks- Soil Description • Description of soils Description and classification of rocks	BS 5930 Section 41 &44 Clark and Walker A2

Accreditation History		
Issue no.	Details	Date
05	Renewal accreditation and extension in the scope (add Rock Core tests)	07-03-2022
04	Renewal accreditation and first issuance under the name of EIAC (which formally was known as DAC)	07-03-2019

**Accreditation Scope**  
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**Issue no.: 07**

**Date: 07-03-2022**

**Valid to: 06-03-2025**

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Water/ Waste Water	pH	APHA-AWWA-WEF 4500 H+
Chemical	Water/ Waste Water	Total Suspended Solids	APHA-AWWA-WEF 2540 D
Chemical	Water/ Waste Water	Biochemical Oxygen Demand	APHA-AWWA-WEF 5210
Chemical	Water/ Waste Water	Chemical Oxygen Demand	APHA-AWWA-WEF 5220 B
Chemical	Water/ Waste Water	Total Dissolved Solids	APHA-AWWA-WEF 2540C
Chemical	Water/ Waste Water	Determination of Metals and LOQ:	
Chemical	Water/ Waste Water	Cu: 0.25 mg/L	APHA-AWWA-WEF 3120B
Chemical	Water/ Waste Water	Pb: 0.036 mg/L	
Chemical	Water/ Waste Water	Cd: 0.03 mg/L	
Chemical	Water/ Waste Water	Zn: 0.028mg/L	
Chemical	Water/ Waste Water	Ni : 0.024 mg/L	



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**Valid to: 06-03-2025**

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Water/ Waste Water	Determination of Metals and LOQ:	
Chemical	Water/ Waste Water	Cr: 0.03mg/L	APHA-AWWA-WEF 3120B
Chemical	Water/ Waste Water	Fe: 0.024 mg/L	
Chemical	Water/ Waste Water	Co: 0.01 mg/L	
Chemical	Water/ Waste Water	Mn: 0.022 mg/L	
Chemical	Water/ Waste Water	Ag : 0.09 mg/L	
Chemical	Water/ Waste Water	Cu: 0.004 mg/L	
Chemical	Water/ Waste Water	Pb: 0.01 mg/L	
Chemical	Water/ Waste Water	Zn: 0.007mg/L	
Chemical	Water/ Waste Water	Ni: 0.01 mg/L	
Chemical	Water/ Waste Water	Cr: 0.014mg/L	
Chemical	Water/ Waste Water	Fe: 0.024 mg/L	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Water/ Waste Water	Determination of Metals and LOQ:	
Chemical	Water/ Waste Water	Mn; 0.005 mg/L	APHA-AWWA-WEF 3120B
Chemical	Water/ Waste Water	Ag : 0.011 mg/L	

Accreditation History		
Issue no.	Details	Date
07	Renewal accreditation in the field of Environmental Testing	07-03-2022
06	Renewal accreditation and first issuance under the name of	07-03-2019

**Accreditation Scope**  
**Air Quality Monitoring Testing**  
**LB-TEST-008**

**Material Lab**

**Al Quoz Industrial Area 4, Dubai-United Arab Emirates**

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Issue no.: 01

Date: 07-03-2022

Valid to: 06-03-2025

Type of Activity	Test Materials/Products	Test Name	Test Method
Air Quality Monitoring	Ambient Air	Total Suspended Particulate Matter (TSPM)	Internal method SOP- ENVT- 010 Based on US EPA - 40 CFR, Part 50, Appendix B
Air Quality Monitoring	Ambient Air	Respirable Particulate Matter (RSPM)	Internal method SOP- ENVT- 010 Based on US EPA- 40 CFR, Part 50, Appendix J
Air Quality Monitoring	Ambient Air	Non Respirable Particulate Matter- NRSPM	Internal method SOP- ENVT- 010 Based on US EPA - 40 CFR, Part 50, Appendix B
Air Quality Monitoring	Ambient Air	Sulphur Dioxide (SO <sub>2</sub> )	Internal method SOP- ENVT- 009 Based on US EPA - Designated
Air Quality Monitoring	Ambient Air	Nitrogen Dioxide (NO <sub>2</sub> )	Internal method SOP- ENVT- 013 Based on ISO 14644 Part 8

**Accreditation Scope**  
**Air Quality Monitoring Testing**  
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**Issue no.: 01**

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Type of Activity	Test Materials/Products	Test Name	Test Method
Air Quality Monitoring	Ambient Air	Carbon Dioxide (CO <sub>2</sub> )	Internal method SOP- ENVT- 013 Based on ISO 14644 Part 8
Air Quality Monitoring	Ambient Air	Ozone (O <sub>3</sub> )	Internal method SOP- ENVT- 008 Based on CBCP India, Vol.No.1 (National Ambient Air Quality Series,NAAQMS/36/201 2-13)
Air Quality Monitoring	Ambient Air	Ammonia (NH <sub>3</sub> )	Internal method SOP- ENVT- 016 Based on NIOSH 6015
Air Quality Monitoring	Ambient Air	Hydrogen Sulfide (H <sub>2</sub> S)	Internal Method SOP_ENVT-005 Based on USEPA EQS- 0775-002

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Type of Activity	Test Materials/Products	Test Name	Test Method
Air Quality Monitoring	Ambient Air	Carbon Monoxide (CO)	Internal method SOP- ENV-T- 013 Based on ISO 14644-8
Air Quality Monitoring	Ambient Air	Temperature	BS EN 60079-29-2
Air Quality Monitoring	Ambient Air	Total Volatile Organic Compound (TVOC)	Internal Method SOP- ENV-T-011 Based on NIOSH 2549
Air Quality Monitoring	Ambient Air	Humidity	BS EN 60079-29-2
Air Quality Monitoring	Indoor Air	Particulate Matter µm size (PM0.3, PM0.5, PM1.0, PM2.5, PM5.0, PM10, TSP) in Indoor	Internal method SOP- ENV-T- 013 Based on ISO 14644 Part 1
Air Quality Monitoring	Indoor Air	Sulphur Dioxide (SO2)	Internal method SOP- ENV-T- 013 Based on ISO 14644 Part 8

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Type of Activity	Test Materials/Products	Test Name	Test Method
Air Quality Monitoring	Indoor Air	Nitrogen Dioxide (NO <sub>2</sub> )	Internal method SOP-ENVT- 013 Based on ISO 14644 Part 8
Air Quality Monitoring	Indoor Air	Carbon Monoxide (CO)	Internal method SOP-ENVT- 013 Based on ISO 14644 Part 8
Air Quality Monitoring	Indoor Air	Carbon Dioxide (CO <sub>2</sub> )	Internal method SOP-ENVT- 013 Based on ISO 14644 Part 8
Air Quality Monitoring	Indoor Air	Oxygen (O <sub>2</sub> )	Internal method SOP-ENVT- 013 Based on ISO 14644 Part 8
Air Quality Monitoring	Indoor Air	Ozone (O <sub>3</sub> )	Internal method SOP-ENVT- 013 Based on ISO 14644 Part 8

**Accreditation Scope**  
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Type of Activity	Test Materials/Products	Test Name	Test Method
Air Quality Monitoring	Indoor Air	Ammonia (NH <sub>3</sub> )	Internal method SOP- ENVT- 013 Based on ISO 14644 Part 8
Air Quality Monitoring	Indoor Air	Hydrogen Sulfide (H <sub>2</sub> S)	Internal method SOP- ENVT- 013 Based on ISO 14644 Part 8
Air Quality Monitoring	Indoor Air	Total VOC	Internal method SOP- ENVT- 013 Based on ISO 14644 Part 8
Air Quality Monitoring	Indoor Air	Formaldehyde (HCHO)	Internal method SOP- ENVT- 013 Based on ISO 14644 Part 8
Air Quality Monitoring	Indoor Air	Humidity & Temperature	Internal method SOP- ENVT- 013 Based on ISO 14644 Part 8

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Type of Activity	Test Materials/Products	Test Name	Test Method
Air Quality Monitoring	Microbial	Bio aerosol Sampling for Total Bacteria Count and Yeast & Mold Count	Internal method SOP- ENVT- 012 Based on NIOSH 801 Sampling Procedure
Air Quality Monitoring	Stack / Flue gas Emission	Determination of stack gas Velocity, Temperature, Pressure and volumetric flow rate	Internal method SOP- ENVT- 015 Based on US EPA- Method 2
Air Quality Monitoring	Stack / Flue gas Emission	Determination of stack gas Moisture	Internal method SOP- ENVT- 015 Based on US EPA- Method 2
Air Quality Monitoring	Stack / Flue gas Emission	Determination of stack gas Pressure and Temperature	Internal method SOP- ENVT- 015 Based on US EPA- Method 17
Air Quality Monitoring	Stack / Flue gas Emission	Determination of Sulphur Dioxide (SO <sub>2</sub> )	Internal method SOP- ENVT- 014 Based on US EPA- Method 6C



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Type of Activity	Test Materials/Products	Test Name	Test Method
Air Quality Monitoring	Stack / Flue gas Emission	Determination of Nitrogen Dioxide (NO <sub>2</sub> )	Internal method SOP-ENVT- 014 Based on EPA-Method 7E
Air Quality Monitoring	Stack / Flue gas Emission	Determination of Oxygen (O <sub>2</sub> )	Internal method SOP-ENVT- 014 Based on US EPA-Method 3C
Air Quality Monitoring	Stack / Flue gas Emission	Determination of Carbon Dioxide (CO <sub>2</sub> )	Internal method SOP-ENVT- 014 Based on US EPA-Method 3C
Air Quality Monitoring	Stack / Flue gas Emission	Determination of Carbon Monoxide (CO)	Internal method SOP-ENVT- 014 Based on US EPA-Method 10
Air Quality Monitoring	Stack / Flue gas Emission	Determination of Volatile Organic Compound(VOC)	Internal Method SOP-ENVT-006 Based on EPA-Method 00331

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Type of Activity	Test Materials/Products	Test Name	Test Method
Air Quality Monitoring	Stack / Flue gas Emission	Determination of Heavy Metals	Internal Method SOP-ENVT-006 Based on EPA-Method 26:20016
Air Quality Monitoring	Stack / Flue gas Emission	Determination of Hydrocarbons	Internal method SOP-ENVT- 014 Based on US EPA - Method 3C
Physical	Noise Level	Acoustics-Description, measurement and assessment of	Internal method SOP-ENVT- 004 Based on ISO 1996 Part 2
Physical	Noise Level	Acoustics- Determination of Occupational Noise Exposure	Internal method SOP-ENVT- 004 Based on ISO 1996 Part 2
Physical	Light Intensity	Intensity Illumination Level	SOP-ENVT-003 Based on BS 667 AS/NZS 1680.2.4

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Type of Activity	Test Materials/Products	Test Name	Test Method
Physical	Heat Stress	Determination of Heat Stress at work place	SOP-ENVT-002 Based on OSHA Technical Manual 2017 Chapter 4

Accreditation History		
Issue no.	Details	Date
01	Granted accreditation from EIAC in the field of Air Quality Monitoring Testing	07-03-2022