



# ACCREDITATION CERTIFICATE

**LB-TEST-091**

**Emirates International Accreditation Centre**

has accredited

**HASSAN AL AMIR SOIL ANALYSIS LABORATORY**

Warehouse # 9 | 14-13a Street | Ras Al Khor Industrial Area-2

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: 09-02-2024 to 17-12-2025

Initial Accreditation Date: 18/12/2013



*Amina Ahmed Mohammed*  
CHIEF EXECUTIVE OFFICER



## Accreditation Scope

**LB-TEST-091**

**Hassan Al Amir Soil Analysis Laboratory**

**Warehouse # 9 | 14-13a Street | Ras Al Khor Industrial Area-2**

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**Date: 15-10-2024**

### Construction Materials

Issue no.	Details	Date
08	Reissued due to modifications in the test methods for certain tests	15-10-2024
07	Re-issued due to the transfer of one test (Determination of particle size distribution- Wet sieving method/ Dry sieving method BS 1377 Part 2 Clause 9.2 & Clause 9.3) from Geotechnical Investigation scope and change in the laboratory location.	09-02-2024
06	Renewal of the accreditation	23-01-2023
05	Certificate validity was extended for 6 months from 18-12-2022 up to 17-06-2023	18-12-2022
04	Re-issued to comply with the new accreditation number format	06-01-2021
03	Renewal of accreditation and first issuance under the name of EIAC (which was formerly known as DAC)	02-02-2020

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### Geotechnical Investigation

Issue no.	Details	Date
08	Re-issued due to extension in scope	15-10-2024
07	Re-issued due to the transfer of one test (Determination of particle size distribution- Wet sieving method/ Dry sieving method BS 1377 Part 2 Clause 9.2 & Clause 9.3) to Construction Materials Testing scope and change in the laboratory location	09-02-2024
06	Renewal of the accreditation	23-01-2023
05	Certificate validity was extended for 6 months from 18-12-2022 up to 17-06-2023	18-12-2022
04	Re-issued to comply with the new accreditation number format	06-01-2021
03	Renewal of accreditation and first issuance under the name of EIAC (which was formerly known as DAC)	02/02/2020

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**Construction Materials Testing**  
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Issue no.: 08

Date: 15-10-2024

Valid to: 17-12-2025

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Soil	Methods of test for Soils for civil engineering purposes Part 2: Classification tests Clause 9: Determination of particle size distribution- Wet sieving method	BS 1377 Part 2 Clause 9.2
		Methods of test for Soils for civil engineering purposes Part 4: Compaction-related tests Determination of California bearing ratio	BS 1377 Part 4 Test Clause 7.2.3.2
Physical/ Mechanical	Soil	Methods of test for soils for civil engineering purposes Part 9: In-situ tests Clause 2.2: Sand replacement method suitable for fine-, medium- and coarse- grained soils (large pouring cylinder method)	BS 1377 Part 9 Clause 2.2
Physical/ Mechanical	Soil	Methods of test for Soils for civil engineering purposes Part 4: Compaction-related tests Clause 3: Determination of dry density/moisture content relationship: - Method using 4.5 kg rammer for soils with particles up to medium- gravel size - Method using 4.5 kg rammer for soils with some coarse gravel-size particles	BS 1377 Part 4 Clause 3.5 and Clause 3.6

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical	Hardened Concrete	Testing 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 Clause 116, Clause 114 and Clause 111 AMD 6097 & AMD 6720
Chemical	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 Clause 12.5
Chemical	Water	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical tests Determination of the sulphate content of soil and ground water- Preparation of ground water for testing)	BS 1377 Part 3 Clause 7.8
Chemical	Water	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical tests (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 chloride content	BS 1377 Part 3 Clause 9.2
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 and ground water)	BS 1377 Part 3 Clause 7.3
Chemical	Soil	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical tests (Determination of pH value)	BS 1377 Part 3 Clause 12.5
Chemical	Soil	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical tests Determination of the chloride content- Determination of acid soluble chloride content	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 and ground water: 1- Preparation of soil and its acid extract 2- Preparation of ground water for testing	BS 1377 Part 3 Clause 7.9

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical / Physical	Rock	Code of practice for site investigations Section 6. Description of soils and rocks Clause 44.4: Description of rock masses Rock quality designation	BS 5930 Clause 44.4.4
Mechanical / Physical	Rock	Code of practice for site investigations Section 6. Description of soils and rocks Clause 44.4: Description of rock masses Core recovery	BS 5930 Clause 44.4.4
Mechanical / Physical	Rock	Code of practice for site investigations Section 7: Reports and interpretation	BS 5930 Section 7
Mechanical / Physical	Rock	Standard Test Methods for Compressive Strength and Elastic Moduli of Intact Rock Core Specimens under varying states of Stress and Temperature	ASTM D7012 Method C-23
Mechanical / Physical	Rock	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
Mechanical / Physical	Rock	Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil & Rock by Mass.	ASTM D2216
Mechanical / Physical	Rock	Standard Test Method for Determination of the Point Load Strength Index of Rock and Application to Rock Strength Classifications	ASTM D5731
Mechanical / Physical	Soil	Methods of test for soils for civil engineering purposes Part 9: In-situ tests Clause 3.3: In Situ penetration test Determination of the penetration resistance using the split-barrel sampler (the standard penetration test SPT)	BS 1377 Part 9 Clause 3.3
Mechanical / Physical	Soil	Code of practice for site investigations Section 6: Description of soils and rocks Clause 41: Soil Description	BS 5930 Section 41 & Clark and Walker
Mechanical / Physical	Soil	Methods of test for Soils for civil Engineering purposes Part 2: Classification tests Clause 9: Determination of particle size distribution- Wet sieving method/ Dry sieving method	BS 1377 Part 2 Clause 9.2 & Clause 9.3

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical / Physical	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
Mechanical / Physical	Ground Water	Code of practice for site investigations Section 3: Field investigations- Groundwater samples	BS 5930 Clause 23.3
Mechanical / Physical	Soil/ Ground Water	Code of practice for site investigations Section 7: Reports and interpretation	BS 5930 Section 7