



ACCREDITATION CERTIFICATE

LB-TEST-184

Emirates International Accreditation Centre

has accredited

LONESTAR TECHNICAL SERVICES LLC (JABEL ALI BRANCH)

Jebel Ali Industrial Area First, Plot # 5999045, Shed # 5

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: 22/06/2021 to 29/05/2024

Initial Accreditation Date: 30/05/2018




CHIEF EXECUTIVE OFFICER
APPROVAL



Accreditation Scope
Construction Materials Testing
LB-TEST-184

Lonestar Technical Services LLC (Branch)

Jebel Ali Industrial Area 1, Plot # 5999045, Shed # 5

Dubai- United Arab Emirates

Issue no.: 04

Date: 22-06-2021

Valid to: 29-05-2024

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Soil	Methods of test for soils for civil engineering purposes Part 4: Compaction-related tests 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 3.5,3.6 1990 AMD 13925

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Date: 22-06-2021

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Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	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 pouring cylinder method)	BS 1377 Part 9 Clause 2.2
Physical/ Mechanical	Soil	Methods of test for soils for civil engineering purposes Part 2: Classification tests Determination of particle size distribution - wet, dry sieving & Sedimentation by the hydrometer method	BS 1377 Part 2 Clauses 9.2, 9.3 & 9.5

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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 Determination of the liquid limit - cone penetrometer method (definitive method)	BS 1377 Part 2 Clause 4.3
Physical/ Mechanical	Soil	Methods of test for soils for civil engineering purposes Part 2: Classification tests 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
Physical/ Mechanical	Soil	Methods of test for Soils for civil engineering purposes Part 4: Compaction-related tests. Determination of the California Bearing Ratio (CBR)	BS 1377 Part 4 AMD 13925:2002 Test 7.2.3.2
Physical/ Mechanical	Hardened Concrete	Testing hardened concrete Part 3: Compressive strength of test specimens (Concrete Cubes)	BS EN 12390 Part 3
Physical/ Mechanical	Hardened Concrete	Testing concrete Part 116: 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
Physical/ Mechanical	Hardened Concrete	Testing concrete Part 122: Method for determination of Water Absorption	BS 1881 Part 122
Physical/ Mechanical	Hardened Concrete	Testing hardened concrete Part 8: Depth of penetration of water under pressure	BS EN 12390 Part 8
Mechanical and physical	Hardened Concrete	Testing concrete Part 114: Method for determination of density of hardened concrete	BS 1881 Part 114

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Date: 22-06-2021

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical and 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 hardened concrete Part 1: Shape, dimensions and other requirements for specimens and moulds	BS EN 12390 Part 1
Mechanical/ Physical	Hardened Concrete	Testing hardened concrete Part 2: Making and curing specimens for strength tests	BS EN 12390 Part 2

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Hardened Concrete	Testing hardened concrete Part 7: Density of hardened concrete	BS EN 12390 Part 7
Mechanical and physical	Hardened Concrete	Testing concrete Part 208: Recommendations for the determination of the initial surface absorption of concrete	BS 1881 Part 208
Mechanical and physical	Hardened Concrete	Testing concrete in structures Part 1: Cored specimens. Taking, examining and testing in compression	BS EN 12504 Part 1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical and physical	Hardened Concrete	Precast concrete masonry units Part 1: Specification for precast concrete masonry units	BS 6073 Part 1
Mechanical and physical	Hardened Concrete	Precast concrete masonry units Part 2: Guide for specifying precast concrete masonry units Determination of compressive strength of pre-cast concrete masonry units	BS 6073 Part 2 Appendix B

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical and physical	Hardened Concrete	Precast concrete paving blocks Part 1: Specification for paving blocks Measurement of dimension of pre-cast concrete paving blocks	BS 6717 Part 1 Annex A
Mechanical and physical	Hardened Concrete	Precast concrete paving blocks Part 1: Specification for paving blocks Determination of compressive strength of pre-cast concrete paving blocks	BS 6717 Part 1 Annex B

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Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Aggregates	Standard Test Method for Relative Density (Specific gravity) and water absorption of Coarse Aggregate	ASTM C 127
Physical/ Mechanical	Aggregates	Standard Test Method for Relative Density (Specific gravity) and water absorption of Fine Aggregate	ASTM C128
Physical/ Mechanical	Aggregates	Testing aggregates Part 103: Methods for determination of particle size distribution. Sieve tests	BS 812 Part 103

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Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Aggregates	Testing aggregates Part 105: Methods for determination of particle shape. flakiness index	BS 812 Part 105.1
Physical/ Mechanical	Aggregates	Testing aggregates Part 105: Methods for determination of particle shape. (Elongation index of coarse aggregate)	BS 812 Part 105.2
Physical/ Mechanical	Aggregates	Testing aggregates Part 110: Methods for determination of Aggregate crushing value (ACV) (Coarse Aggregate Only)	BS 812 Part 110

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical and physical	Aggregate	Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C131 ASTM C131/C131M
Mechanical and physical	Aggregate	Standard Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C535
Mechanical and physical	Aggregate	Testing aggregates Part 112: Methods for determination of aggregate impact value (AIV)	BS 812 Part 112

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical and physical	Aggregate	esting aggregates Part 111: Methods for determination of ten per cent fines value (TFV)	BS 812 Part 111
Mechanical and physical	Aggregate	Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate	ASTM D2419
Mechanical/ Physical	Rock & Soils	Standard Practices for Preparing Rock Core as Cylindrical Test Specimens and Verifying Conformance to Dimensional and Shape Tolerances	ASTM D4543 Method S1 and FP2

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical/ Physical	Rock & Soils	Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass	ASTM D2216
Mechanical and physical	Rock & Soils	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"

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical and physical	Geotextile	Standard Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method	ASTM D4595
		Geosynthetics. Wide-width tensile test	BS EN ISO 10319
mechanical and physical	Geotextile	Standard Test Method for Trapezoid Tearing Strength of Geotextiles	ASTM D4533
Mechanical and physical	Geotextile	Standard Test Method for Grab Breaking Load and Elongation of Geotextiles	ASTM D4632/ D4632M

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical and physical	Geotextile	Standard Test Method for Index Puncture Resistance of Geomembranes and Related Products	ASTM D4833
Mechanical and physical	Geotextile	Resistance Standard Test Method for Static Puncture Strength of Geotextiles and Geotextile-Related Products Using a 50-mm Probe	ASTM D6241
Mechanical and physical	Geotextile	Geosynthetics. Static puncture test (CBR test)	BS EN ISO 12236

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical and physical	Water Proofing Membrane	Flexible sheets for waterproofing. Determination of tensile properties Part 1: Bitumen sheets for roof waterproofing	BS EN 12311 Part 1
Mechanical and physical	Water Proofing Membrane	Flexible sheets for waterproofing. Determination of resistance to tearing (nail shank). Bitumen sheets for roof waterproofing	BS EN 12310 Part 1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical and 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	ASTM E154
Mechanical and physical	Concrete Piles	Standard Test Method for Low Strain Impact Integrity Testing of Deep Foundations	ASTM D5882
Mechanical and physical	Concrete Piles	Standard Test Method for Integrity Testing of Concrete Deep Foundations by Ultrasonic Crosshole Testing	ASTM D6760

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical and physical	Concrete Piles	Standard Guide for Conducting Borehole Geophysical Logging: Mechanical Caliper	ASTM D6167
Chemical	Concrete	Standard Test Method for Electrical indication of concrete's ability to Resist chloride ion Penetration	ASTM C1202
Chemical	Concrete	Testing Concrete Part 124: Methods for analysis of hardened concrete Determination of chloride content in hardened concrete	BS 1881 Part 124

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Concrete	Testing Concrete Part 124: Methods for analysis of hardened concrete Determination of sulphate content in hardened concrete	BS 1881 Part 124
Chemical	Aggregate	Testing aggregates. Part 117: Method for determination of water-soluble chloride salts	BS 812 Part 117
Chemical	Aggregate	Testing aggregates Part 118: Methods for determination of sulphate content	BS 812 Part 118

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Water	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical tests Chloride Content of ground water	BS 1377 Part 3 Clause 9.2
Chemical	Water	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical tests Sulphate Content of ground water	BS 1377 Part 3 Clause 7.6

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Type of Activity	Test Materials/Products	Test Name	Test Method
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 12.0
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 12.0

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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 Sulphate Content of soil and ground water-Acid soluble Sulphate content of Soil	BS 1377 Part 3 Clause 7.6
Chemical	Soil	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical tests Determination of Chloride Content-Water soluble Chloride content of Soil	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 Chloride Content-Acid soluble Chloride content of Soil	BS 1377 Part 3 Clause 9.3

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Chemical	Soil	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical tests Determination of Sulphate Content of soil and ground water-Water soluble Sulphate content of Soil	BS 1377 Part 3 Clause 7.6

Accreditation History		
Issue no.	Details	Date
04	Renewal Accreditation	22-06-2021
03	Extension in scope (Add Geotextile, Water Proofing Membrane, Concrete Piles, Rock & Soils, Aggregate and Hardened Concrete tests) and to comply with the new accreditation number format	08-03-2021
02	Comply with ISO 17025:2017 and first issuance under the name of EIAC (which was formerly known as DAC)	01-10-2019

Accreditation Scope
Geotechnical Investigation Testing
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Type of Activity	Test Materials/Products	Test Name	Test Method
Soil investigation	Site Work	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: P9, section 3.3
Soil investigation	Site Work	Code of practice for ground Investigations Section 4: Exploratory holes-Sampling the ground	BS 5930 Section 4 Clause 25

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Type of Activity	Test Materials/Products	Test Name	Test Method
Soil investigation	Site Work	Code of practice for ground Investigations Section 8: Field Instrumentation - Ground Water Measurements	BS 5930 Section 8 Clause 52
Soil investigation	Site Work	Code of practice for ground Investigations Section 4: Exploratory holes-Ground Water monitoring and Sampling	BS 5930 Section 4 Clause 26
Soil investigation	Rock	Code of practice for ground Investigations Section 6: Description of soils and rocks- Description and classification of rocks	BS 5930 Section 6 Clause 36

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Type of Activity	Test Materials/Products	Test Name	Test Method
Soil investigation	Soil	Code of practice for ground Investigations Section 6: Description of soils and rocks- Description of Soils	BS 5930 Section 6 Clause 33 and Clark and Walker
Soil investigation	Reporting	Code of practice for ground Investigations Section 10: Reports and interpretation-Reports	BS 5930 Section 10 Clause 63

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Issue no.	Details	Date
04	Renewal Accreditation	22-06-2021
03	Re-issued to comply with the new accreditation number format	08-03-2021
02	Comply with ISO 17025:2017 and first issuance under the name of EIAC (which was formerly known as DAC)	01-10-2019