

Accreditation Scope
Construction Materials Testing
LB-TEST-165

Al Hoty- Stanger Laboratory LLC

Al Musallah Street, Abu Baker Al Siddique Road

Kalba, Sharjah-United Arab Emirates

Issue no.: 03

Date: 31-01-2021

Valid to: 21-11-2023

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical	Aggregate	Tests for geometrical properties of aggregates Part 1: Determination of particle size distribution. Sieving method	BS EN 933 Part 1
Physical / Mechanical	Aggregate	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates	ASTM C136/136M
Physical / Mechanical	Aggregate	Standard Test Method for Materials Finer than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	ASTM C117
Physical / Mechanical	Aggregate	Standard Test Method for Clay Lumps and Friable Particles in Aggregates	ASTM C142

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Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical	Aggregate	Standard Test Method for Relative Density (Specific Gravity) and Absorption of Fine Aggregate	ASTM C128
Physical / Mechanical	Aggregate	Tests for geometrical properties of aggregates Part 1: Determination of particle size distribution. Sieving method (mass of fines passing the 0.063mm sieve)	BS EN 933 Part 1 Clause A.4.4
Physical / Mechanical	Aggregate	Standard Test Method for Density, 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
Physical / Mechanical	Aggregate	Tests for geometrical properties of aggregates Part 7: Determination of shell content. Percentage of shells in coarse aggregates	BS EN 933 Part 7
Physical / Mechanical	Aggregate	Tests for geometrical properties of aggregates Part 3: Determination of particle shape. Flakiness index	BS EN 933 Part 3
Physical / Mechanical	Aggregate	Testing aggregates Methods for determination of particle shape. Elongation index of coarse aggregate	BS 812 105.2

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Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical	Aggregate	Standard Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	ASTM C88
Physical / Mechanical	Aggregate	Testing aggregates Part 111: Methods for Determination of Ten Per Cent Fines Value (TFV)	BS 812 Part 111
Physical / Mechanical	Aggregate	Testing aggregates Part 112: Method 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
Physical / Mechanical	Aggregate	Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C131/C131M
Physical / Mechanical	Aggregate	Standard Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C535
Physical / Mechanical	Aggregate	Testing aggregates Part 110: Methods for determination of aggregate crushing value (ACV)	BS 812 Part 110

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Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical	Aggregate	Testing aggregates Methods for determination of particle shape. Flakiness index	BS 812 105.1
Physical / Mechanical	Aggregate	Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate	ASTM D2419
Physical / Mechanical	Rock	Determination of block integrity/ Determination of drop test breakage index	The Rock Manual CIRIA C683 BS EN 13383-1
Physical / Mechanical	Rock	Determination of the mass distribution of light and heavy gradings	The Rock Manual CIRIA C683 BS EN 13383-2 Clause 6

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Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical	Rock	Determination of the percentage of pieces of armourstone with a length-to thickness ratio greater than 3	The Rock Manual CIRIA C683 BS EN 13383-2 Clause 7
Physical / Mechanical	Rock	Determination of particle density and water absorption	The Rock Manual CIRIA C683 BS EN 13383-2 Clause 8
Physical / Mechanical	Rock	Method for determining Point Load strength	RTH – 325 – ISRM

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Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical	Rock	Tests for mechanical and physical properties of aggregates Part 2: Methods for the determination of resistance to fragmentation by the Los Angeles test method	BS EN 1097 Part 2 Clause 5
Physical / Mechanical	Rock	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
Physical / Mechanical	Soil	Methods of test for Soils for civil engineering purposes Part 2: Classification tests Determination of particle size distribution- Wet sieving method	BS 1377 Part 2 Clause 9.2 AMD 9027-96
Physical / Mechanical	Soil	Methods of test for Soils for civil engineering purposes Part 2: Classification tests Determination of particle size distribution- Dry Sieving Method	BS 1377 Part 2 Clause 9.3 AMD 9027-96

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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 AMD 17229 July 2007
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 Test 7.2.3.2 AMD 13925: 2002

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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 dry density/moisture content relationship using using 4.5 kg rammer for soils with particles up to medium-gravel size	BS 1377 Part 4 Test 3.5 / 3.6,4.2 AMD 13925: 2002
Physical / Mechanical	Soil	Methods of test for soils for civil engineering purposes Part 2: Classification tests Determination of the liquid limit- Cone penetrometer method	BS 1377 Part 2 Clause 4.3 AMD 9027-96

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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 plastic limit and plasticity index	BS 1377 Part 2 Clause 5 and 5.4 AMD9027-96
Physical / Mechanical	Concrete	Testing concrete Part 116: Method for determination of compressive strength of concrete cubes	BS 1881 Part 116 AMD 6097-89 & AMD 6720-91
Physical / Mechanical	Concrete	Testing concrete; testing of hardened concrete (specimens prepared in mould)	DIN 1048 Part 5

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Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical	Concrete	Testing concrete Part 122: Method for determination of water absorption	BS 1881 Part 122
Physical / Mechanical	Concrete	Testing hardened concrete Part 8: Depth of penetration of water under pressure	BS EN 12390 Part 8
Physical / Mechanical	Concrete	Testing concrete Part 208: Recommendations for the determination of the initial surface absorption of concrete	BS 1881 Part 208
Physical / Mechanical	Concrete	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	AASHTO T277

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Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical	Concrete	Standard Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	ASTM C1202
Physical / Mechanical	Concrete	Testing concrete Part 114 Methods for determination of density of hardened concrete	BS 1881 Part 114 AMD 6721
Physical / Mechanical	Concrete	Testing concrete Part 111: Method of normal curing of test specimens (20°C method)	BS 1881 Part 111 AMD 6102

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Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical	Concrete	Testing hardened concrete Part 1: Shape, dimensions and other requirements for specimens and molds	BS EN 12390 Part 1
Physical / Mechanical	Concrete	Testing hardened concrete Part 2: Making and curing specimens for strength tests	BS EN 12390 Part 2
Physical / Mechanical	Concrete	Testing hardened concrete Part 3: Compressive strength of test specimens	BS EN 12390 Part 3

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Physical / Mechanical	Concrete	Testing hardened concrete Part 7: Density of hardened concrete	BS EN 12390 Part 7

Accreditation History		
Issue no.	Details	Date
03	Renewal accreditation, extension in scope and comply with the new accreditation number format	31-01-2021
02	Extension in scope (adding 2 tests under Concrete: BS 1881 Part 111 & 114), voluntary reduction for one test in Soil and first issuance under the name of EIAC (Which was	27-02-2020
01	Granted accreditation from Dubai Accreditation Center 'DAC'	22-11-2017