

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Concrete & Concrete Blocks	Testing Concrete Part 124: Method for analysis of hardened concrete. Determination of sulfate content.	BS 1881 Part 124 Clause 12.2 ADD-06(2002)
Chemical	Concrete & Concrete Blocks	Testing concrete Part 124: Methods for analysis of hardened concrete Clause 10.2: Determination of chloride content	BS 1881 Part 124 Clause 10.2

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Concrete	Electrical indication of concrete's ability to resist chloride ion penetration	ASTM C1202
Chemical	Concrete admixtures	Surface Active Agents – Determination of pH of Aqueous Solutions – Potentiometric Method	GSO ISO 4316

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Concrete admixtures	Standard Specification for Chemical Admixture for Concrete. Specific Gravity (Liquid Admixtures)	ASTM C494/C494M Clause 18.4
Chemical	Paint	Specification for Solid Glass Beads for use with road marking compounds and for other industrial uses.	BS 6088 : 1981 APP. B AMD 5600 : 1987

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Water	Methods of tests for Soils for civil engineering purposes Part 3: Chemical and electro-chemical tests. Determination of chloride content (Ground water).	BS 1377 Part 3 Clause 7 AMD 9028 : 1996

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Water	Methods of tests for Soils for civil engineering purposes Part 3: Chemical and electro-chemical tests. Gravimetric method for analysis of acid or water extract or ground water.	BS 1377 Part 3 Clause 5.5 AMD 9028 : 1996

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Water	Methods of tests for Soils for civil engineering purposes Part 3: Chemical and electro-chemical tests. Determination of the pH value (Ground Water)	BS 1377 Part 3 Clause 9 AMD 9028 : 1996
Chemical	Water	Standard Test Methods for Chloride Ion In Water	ASTM D512

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section
Dubai Central Laboratory Department
Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Water	Standard Test Methods for pH of Water	ASTM D1293
Chemical	Water	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical tests; Clause 8: Determination of total dissolved solid	BS 1377 Part 3 Clause 8 AMD 9028 : 1996

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Water	Standard Test Method for Sulfate Ion in Water	ASTM D516
Chemical	Soil	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro-chemical tests Clause 3: Determination of the organic matter content	BS 1377 Part 3 Clause 3 AMD 9028 : 1996

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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: Carbonate content of soil	BS 1377 Part 3 Clause 6 AMD 9028 : 1996

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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 5.2: Preparation of soil and its acid extract; Clause 5.5: Gravimetric method for analysis of acid or water extract or ground water; Acid Soluble Sulphate Of Soil	BS 1377 Part 3 Clause 5.2 & Clause 5.5 AMD 9028 : 1996

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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 7.3: Determination of acid-soluble chloride content	BS 1377 Part 3 Clause 7.3 AMD 9028 : 1996

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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 7.2: Determination of water-soluble chloride content	BS 1377 Part 3 Clause 7.2 AMD 9028 : 1996

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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 5.3: Preparation of soil and its water extract; Clause 5.5: Gravimetric method for analysis of acid or water extract or ground water; Water Soluble Sulphate Of Soil	BS 1377 Part 3 Clause 5.3 & Clause 5.5 AMD 9028 : 1996

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section
Dubai Central Laboratory Department
Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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 9: Determination of the pH value	BS 1377 Part 3 Clause 9 AMD 9028 : 1996
Chemical	Cement	Method of testing cement Part 2: Chemical analysis of cement; Cement - Test Methods	BS EN 196 Part 2

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Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Cement	Cement - Test methods Part 2: Chemical analysis by X-ray fluorescence	BS ISO 29581 Part 2
Chemical	Cement	Methods of testing cement Part 2: Chemical analysis of cement Clause 4.5.16: Determination of chloride	BS EN 196 Part 2 Clause 4.5.16

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Aggregate	Testing aggregates Part 117: Method for determination of water-soluble chloride salts Appendix C: Test method for determination of chloride content of aggregates using a nitric acid extract, for aggregate containing chloride not extracted water	BS 812-117 Appendix C

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Aggregate	Tests for chemical properties of aggregates Part 1: Chemical analysis Clause 12: Determination of acid soluble sulfates	BS EN 1744 Part 1 Clause 12
Chemical	Aggregate	Standard Test Method for Organic Impurities in Fine Aggregates for Concrete	ASTM C40/C40M

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Carbon Low Alloy Steel	Standard Test Method for Analysis of Carbon and Low-Alloy Steel by Spark Atomic Emission Spectrometry; Elements : C, Si, Mn, P, S	ASTM E415

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Stainless Steel	Standard Test Method for Analysis of Austenitic Stainless Steel by Spark Atomic Emission Spectrometry; Elements : C, Si, Mn, P, S, Cr, Mo, Ni, Cu, V, N	ASTM E1086

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bitumen	Standard Test Method for Specific Gravity, API Gravity, or Density of Cutback Asphalt by Hydrometer Method	ASTM D3142/D3142M
Physical/ Mechanical	Bitumen	Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester	ASTM D92

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section
Dubai Central Laboratory Department
Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bitumen	Standard Practice for Identifying Cationic Emulsified Asphalts.	ASTM D7402
Physical/ Mechanical	Bitumen	Standard Test Method for Settlement and Storage Stability of Emulsified Asphalts.	ASTM D6930
Physical/ Mechanical	Bitumen	Standard Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus)	ASTM D36/D36M

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bitumen	Standard Test Method for Residue by Evaporation of Emulsified Asphalt	ASTM D6934
Physical/ Mechanical	Bituminous sheet	Flexible sheets for waterproofing Part 1: Determination of tensile properties. Bitumen sheets for roof waterproofing	BS EN 12311 Part 1

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bituminous sheet	Standard Test Method for Tensile-Tear Strength of Bituminous Roofing Membranes	ASTM D4073
Physical/ Mechanical	Bituminous sheet	Standard Test Methods for Sampling and Testing Modified Bituminous Sheet Material Clause 15: Compound Stability	ASTM D5147 Clause 15

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bituminous sheet	Flexible sheets for water proofing - Determination of thickness and mass per unit area Part 1: Bitumen sheets for roof water proofing. Determination of thickness.	BS EN 1849 Part 1 Clause 4

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bituminous sheet	Flexible sheets for water proofing - Determination of resistance to tearing (nail shank) Part 1: Bitumen sheets for roof water proofing.	BS EN 12310 Part 1

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bituminous sheet	Standard Test Method for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs , on Walls, or as Ground Cover. Resistance to Puncture.	ASTM E154/E154M Clause 10

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bituminous sheet	Flexible sheets for water proofing - Determination of thickness and mass per unit area Part 1: Bitumen sheets for roof water proofing. Determination of mass per unit area.	BS EN 1849 Part 1 Clause 5
Physical/ Mechanical	Bituminous Material	Indirect Tensile (IDT) Strength of Asphalt Mixtures	ASTM D6931

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bituminous Material	Standard Test Method for Asphalt Content of Hot-Mix Asphalt by Ignition Method	ASTM D6307
Physical/ Mechanical	Bituminous Material	Standard Test Method for Penetration of Bituminous Materials	ASTM D5/D5M

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bituminous Material	Standard Test Method for Density of Semi-Solid Bituminous Materials (Pycnometer Method)	ASTM D70
Physical/ Mechanical	Bituminous Material	Standard Test Method for Marshall Stability and Flow of Bituminous Mixtures	ASTM D6927

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bituminous Material	Standard Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures	ASTM D2726
Physical/ Mechanical	Bituminous Material	Computation of voids in compacted bituminous paving mixture	DMS 009

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bituminous Material	Standard Test Method for Thickness or Height of Compacted Bituminous Paving Mixture Specimens	ASTM D3549/D3549M
Physical/ Mechanical	Bituminous Material	Standard Test Method for Ductility of Bituminous Materials	ASTM D113

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bituminous Material	Standard Test Method for Solubility of Asphalt Materials in Trichloroethylene	ASTM D2042
Physical/ Mechanical	Bituminous Material	Standard Test Method for Flash Point of Cutback Asphalt with Tag Open-Cup Apparatus	ASTM D3143/D3143M

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bituminous Material	Standard Test Method for Water in Petroleum Products and Bituminous Materials by Distillation	ASTM D95
Physical/ Mechanical	Bituminous Material	Standard Test Method for Distillation of Cutback Asphalt	ASTM D402/D402M

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bituminous Material	Standard Test Method for Kinematic Viscosity of Asphalts (Bitumens)	ASTM D2170/2170M
Physical/ Mechanical	Bituminous Material	Standard Test Method for Viscosity Determination of Asphalt at Elevated Temperatures Using a Rotational Viscometer	ASTM D4402/D4402M

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bituminous Material	Standard Test Method for Multiple Stress Creep and Recovery (MSCR) of Asphalt Binder Using a Dynamic Shear Rheometer	ASTM D7405
Physical/ Mechanical	Bituminous Material	Standard Test Method for Elastic Recovery of Bituminous Materials by Ductilometer	ASTM D6084/D6084M

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bituminous Material	Standard Test Method for Effect of Heat and Air on a Moving Film of Asphalt (Rolling Thin-Film Oven Test)	ASTM D2872
Physical/ Mechanical	Bituminous Material	Standard Practice for Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel (PAV)	ASTM D6521 and/or AASHTO R28-12

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bituminous Material	Standard Test Method for Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer	ASTM D7175 and/or AASHTO T315

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bituminous Material	Standard Test Method for Bulk Specific Gravity and Density of Compacted Asphalt Mixtures Using Automatic Vacuum Sealing Method	ASTM D6752/D6752M

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bituminous Material	Standard Test Method for Maximum Specific Gravity and Density of Asphalt Mixtures Using Automatic Vacuum Sealing Method	ASTM D6857/D6857M
Physical/ Mechanical	Bituminous Material	Asphalt Mix Preparation in the Laboratory	DMS 005

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Bituminous Material	Standard Practice for Preparation of Asphalt Mixture Specimens Using Marshall Apparatus	ASTM D6926
Physical/ Mechanical	Aggregate	Standard Test Method for Uncompacted Void Content of Fine Aggregate	AASHTO T304

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Aggregate	Standard Test Method for Bulk Density (Unit Weight) & Voids in Aggregate (Jigging)	ASTM C29/C29M Clause 11
Physical/ Mechanical	Aggregate	Tests for geometrical properties of aggregates Part 1: Determination of particle size distribution. Sieving method	BS EN 933 Part 1

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Aggregate	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates	ASTM C136/C136M
Physical/ Mechanical	Aggregate	Testing aggregates Part 110: Methods for determination of aggregate crushing value (ACV)	BS 812 Part 110 (AD-03:2002)

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
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 Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	ASTM C127

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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	Standard Test Method for Sand equivalent value of soils and fine aggregate	ASTM D2419

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Aggregate	Testing aggregates Part 105: Methods for determination of particle shape Section 105.1: Flakiness index	BS 812 Part 105 Section 105.1
Physical/ Mechanical	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

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Aggregate	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate	ASTM C128
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

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
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	Standard Test Method for Clay Lumps and Friable Particles in Aggregates	ASTM C142/C142M

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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	Determination of percentage of fully crushed particles in coarse aggregate	DMS 007: 2001

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Aggregate	Determination of percentage of partially crushed particles in coarse aggregate	DMS 008: 2001

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Aggregate	Testing aggregates Part 2: Methods for determination of density Test 5: Determination of particle densities and water absorption- Method for determination of particle density of filler	BS 812 Part 2 Clause 5.7 AMD 10397 : 1999

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Aggregate	Standard Test Method for Sieve Analysis of Mineral Filler for Bituminous Paving Mixtures	ASTM D546

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Aggregate	Standard Test Method for Bulk Density ("Unit Weight") and Voids in Aggregate Clause 10 - Rodding Procedure Clause 12 - Shoveling Procedure	ASTM C29/C29M Clause 10 & 12

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section
Dubai Central Laboratory Department
Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Aggregate	British Standard Code of practice for Building drainage. Compaction fraction test for suitability of bedding material.	BS 8301 APP. D

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Aggregate	Standard Test Method for Flat particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate.	ASTM D4791 MTD B

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Soil	Method of test for Soils for civil engineering purposes Part 2: Classification tests. Cone penetrometer method (definitive method).	BS 1377 Part 2 Clause 4.3

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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 Clause 7: Determination of the California Bearing Ratio (CBR)	BS 1377 Part 4 Clause 7 AMD 13925 : 2002

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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 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 AMD 8264 : 95 (AD-09 : 2011)

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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 9.2: Determination of particle size distribution- Wet sieving method	BS 1377 Part 2 Clause 9.2 AMD 9027 : 1996

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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 Clause 3.5: Determination of dry density/moisture content relationship- Method using 4.5 kg rammer for soils with particles up to medium-gravel size	BS 1377 Part 4 Clause 3.5 AMD 8259 : 1995 AMD 13925 : 2002

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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 4.5: Determination of the liquid limit -Casagrande apparatus method	BS 1377 Part 2 Clause 4.5 AMD 9027 : 1996

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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 Clause 3.6: Determination of dry density/moisture content relationship- Method using 4.5 kg rammer for soils with some coarse gravel-size particles	BS 1377 Part 4 Clause 3.6 AMD 8259 : 1995 AMD 13925 : 2002

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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 Clause 3.7: Determination of dry density/moisture content relationship- Method using vibrating hammer	BS 1377 Part 4 Clause 3.7 AMD 8259 : 1995 AMD 13925 : 2002

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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: 6.5 Determination of shrinkage characteristics- Linear Shrinkage	BS 1377 Part 2 Clause 6.5 AMD 9027 : 1996

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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 5.3: Determination of the plastic limit and plasticity index - Method for plastic limit	BS 1377 Part 2 Clause 5.3 AMD 9027 : 1996

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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 5.4: Determination of the plastic limit and plasticity index - Derivation of plasticity index and liquidity index	BS 1377-2 : 1990 cl. 5.4 AMD 9027 : 1996

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Soil	Methods of test for soils for civil engineering purposes Part 7: Shear strength tests (total stress) Clause 7.2: Determination of the unconfined compressive strength - Load frame method	BS 1377-7 : 1990 cl. 7.2

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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 3.2: Determination of moisture content- Oven-drying method	BS 1377 Part 2 Clause 3.2 AMD 9027 : 1996

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Oil	Standard Test Method for Density, Relative Density, and API Gravity of Liquids by Digital Density Meter (Stabinger Viscometer)	ASTM D4052

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Oil	Standard Test Method for Dynamic Viscosity and Density of Liquids by Stabinger Viscometer (and the Calculation of Kinematic Viscosity).	ASTM D7042

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Oil	Standard Test Method for Dynamic Viscosity and Density of Liquids by Stabinger Viscometer (and the Calculation of Kinematic Viscosity) and Standard Practice for Calculating of Viscosity Index from Kinematic Viscosity at 40 °C and 100 °C	ASTM D7042 and ASTM D2270

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Oil	Standard Test Method for Dynamic Viscosity and Density of Liquids by Stabinger Viscometer (and the Calculation of Kinematic Viscosity) and Standard Practice for Conversion of Kinematic Viscosity to Saybolt Universal Viscosity or to Saybolt Furol Viscosity.	ASTM D7042 and ASTM D2161

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Concrete Additives	Standard Specification for Silica Fume Used in Cementitious Mixtures. Density	ASTM C1240 Clause 12
Physical/ Mechanical	Concrete Additives	Standard Test Method for Sampling and Testing Fly Ash or Natural Pozzolans for Use in Portland - Cement Concrete. Moisture Content	ASTM C311 Clause 11 & ASTM C1240 Clause 11

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Concrete / Blocks	Testing hardened concrete Part 8: Depth of penetration of water under pressure	BS EN 12390 Part 8
Physical/ Mechanical	Concrete / Blocks	Testing concrete Part 122: Method for determination of water absorption	BS 1881 Part 122

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Concrete / Blocks	Testing concrete Part 111: Method of normal curing of test specimens (20°C method) Part 114: Method for determination of density of hardened concrete Part 116: Method for determination of compressive of concrete cubes	BS 1881: Part 111 Part 114 and Part 116

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

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

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Concrete / Blocks	Precast concrete masonry units Part 2: Method for specifying precast concrete masonry units App. B: Routine rapid control test of compressive strength of blocks by manufacturer (fibre board test) Compressive strength of masonry blocks	BS 6073 Part 2 App. B AMD 4508-1984

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Concrete / Blocks	Precast concrete masonry units Part 2: Method for specifying precast concrete masonry units App. A: Information to be given by the purchaser with his inquiry and order; Dimension of Masonry Blocks	BS 6073 Part 2 App. A AMD 4508

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Concrete / Blocks	Precast concrete masonry units Part 2: Method for specifying precast concrete masonry units App. C: Determination of block density, concrete density and net area of hollow blocks; Density of Filler Blocks	BS 6073 Part 2 App. C AMD 4508

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Concrete / Blocks	Testing hardened concrete Part 2: Making and curing specimens for strength tests	BS EN 12390 Part 2

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Concrete / Blocks	Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units Clause 6: Measurement of Dimensions Annex A4.2: Dimension of Paving Blocks	ASTM C140 Clause 6: Annex A4.2

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Concrete / Blocks	Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units Clause 8: Absorption Annex A4.4: Absorption Testing ; Water absorption of blocks	ASTM C140 Clause 8 Annex A4

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Concrete / Blocks	Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units Clause 7: Compressive Strength Annex A4.3: Compressive Strength Testing	ASTM C140 Clause 7, Annex A4 and

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Concrete / Blocks	DMS 1: Specification of precast concrete blocks Part 4: Paving blocks Annex A: Measurement of dimensions and plan area; Compressive strength of paving blocks	DMS 1 Part 4 Annex A

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Asphalt	Standard Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures	ASTM D2041/D2041M
Physical/ Mechanical	Asphalt	Determination of loss of stability of compacted bituminous mixtures using Marshall Apparatus	DMS 010: 2001

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Asphalt	Computation of voids in compacted bituminous paving mixture & Determination of loss of stability of compacted bituminous mixtures using Marshall Apparatus	DMS 009: 2001 and DMS 010: 2001

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Asphalt	Standard Test Method for Indirect Tensile (IDT) Strength of Bituminous Mixtures	ASTM D6931
Physical/ Mechanical	Asphalt	Standard Test Method for Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	ASTM D6648

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Asphalt	Standard Test Method for Effect of Moisture on Asphalt Concrete Paving Mixtures.	ASTM D4867/D4867M
Physical/ Mechanical	Metallic	Standard Test Methods and Definitions for Mechanical Testing of Steel Products Tensile Test Clause: 6 to 14 and Annex A1	ASTM A370 Clause: 6 to 14 Annex A1

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Metallic	Non-magnetic coatings on magnetic substrates. Measurement of coating thickness. Magnetic method	BS EN ISO 2178

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Cement	Methods of testing cement Part 3: Determination of setting times and soundness Clause 5: Standard consistence test; Consistency of cement	BS EN 196 Part 3 Clause 5

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Cement	Methods of testing cement Part 3: Determination of setting times and soundness Clause 6: Setting time test; Setting time of cement	BS EN 196 Part 3 Clause 6
Physical/ Mechanical	Cement	Methods of testing cement Part 6: Determination of fineness	BS EN 196 Part 6

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Cement	Methods of testing cement Part 6: Determination of fineness National Annex NC (informative): Method of testing cement for density	BS EN 196 Part 6 National Annex

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Cement	Methods of testing cement Part 1: Determination of strength Clause 9.2: Compressive strength	BS EN 196 Part 1 Clause 9.2
Physical/ Mechanical	Cement	Methods of testing cement Part 1: Determination of strength Clause 9.1: Flexural strength	BS EN 196 Part 1 Clause 9.1

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Cement	Methods of testing cement Part 3: Determination of setting times and soundness Clause 7: Soundness test	BS EN 196 Part 3 Clause 7
Physical/ Mechanical	Geotextile	Standard Test Method for Grab Breaking Load and Elongation of Geotextiles	ASTM D4632

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Ceramics/ Tiles	Concrete paving blocks Requirements and test methods Measurement of abrasion resistance (wide wheel test)	BS EN 1338

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Ceramics/ Tiles	Ceramic tiles Part 3: Determination of water absorption, apparent porosity, apparent relative density and bulk density- boiling method	BS EN ISO 10545 Part 3
Physical/ Mechanical	Ceramics/ Tiles	Ceramic tiles Part 4: Determination of modulus of rupture and breaking strength	BS EN ISO 10545 Part 4

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Pre-Stressed Strands	Standard Test Methods for Testing Multi-Wire Steel Strand	ASTM A1061/A1061M
Physical/ Mechanical	Pre-Stressed Strands	Tensile Strength High tensile steel wire and strand for the prestressing of concrete. Specification	BS 5896

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Steel Reinforcing Bars	Standard Test Methods and Definitions for Mechanical Testing of Steel Products Annex A9: Methods for testing steel reinforcing bars; Tensile test of carbon steel bar for concrete	ASTM A370 Annex A9

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Steel Reinforcing Bars	Steel for the reinforcement and pre-stressing of concrete. Test methods. Reinforcing bars, wire rod and wire Part 1 : Reinforcing bars, wire rod and wire Clause 10: Measurement of the geometrical characteristics; Measurement of geometrical characteristics and relative rib area	BS EN ISO 15630 Part 1 Clause 10

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Steel Reinforcing Bars	Specification for Carbon steel Bars for reinforcement of Concrete Clause 9.2: Bond classification by surface shape; Measurement of projected rib area	BS 4449 : 1997 Clause 9.2

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Steel Reinforcing Bars	Standard Specification for Deformed and Plain Carbon - Steel Bars for Concrete Reinforcement - Clause 7 Requirements for Deformations Clause 8: Measurement of Deformations Rib geometry	ASTM A615/A615M Clause 7 & Clause 8

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Masonry Units	Methods of test for masonry units Part 16: Determination of dimensions	BS EN 772 Part 16
Physical/ Mechanical	Masonry Units	Methods of test for masonry units Part 1: Determination of compressive strength	BS EN 772 Part 1

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Masonry Units	Methods of test for masonry units Part:13: Determination of net and gross dry density of masonry units (except for natural stone) Clause 7.3: Gross dry density	BS EN 772 Part 13 Clause: 7.3

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Masonry Units	Methods of test for masonry units Part 13: Determination of net and gross dry density of masonry units (except for natural stone) Clause 7.2: Net dry density	BS EN 772 Part 13 Clause: 7.2
Physical/ Mechanical	Aggregate/ Bituminous Material	Standard Test Method for Mechanical Size Analysis of Extracted Aggregate	ASTM D5444

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Concrete	Testing hardened concrete Part 5: Flexural strength of test specimens	BS EN 12390 Part 5
Physical/ Mechanical	Concrete	Testing concrete Part 208: Recommendations for the determination of the initial surface absorption of concrete	BS 1881 Part 208

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Hardened concrete	Testing concrete in structures Part 1: Cored specimens. Taking, examining and testing in compression	BS EN 12504 Part 1
Physical/ Mechanical	Hardened concrete	Standard Test Method for Splitting Tensile Strength of Cylindrical Concrete Specimens	ASTM C496/C496M

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Fresh concrete	Testing concrete Part 125: Methods for mixing and sampling fresh concrete in the laboratory	BS 1881 Part 125
Physical/ Mechanical	Fresh concrete	Testing fresh concrete Part 7: Air content. Pressure methods	BS EN 12350 Part 7
Physical/ Mechanical	Fresh concrete	Standard Test Method for Bleeding of Concrete	ASTM C232/C232M

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section
Dubai Central Laboratory Department
Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Fresh concrete	Testing fresh concrete Part 2: Slump test	BS EN 12350 Part 2
Physical/ Mechanical	Fresh concrete	Testing concrete Part 108: Method for making test cubes from fresh concrete	BS 1881 Part 108
Physical/ Mechanical	Fresh concrete	Testing concrete Part 110: Method for making test cylinders from fresh concrete	BS 1881 Part 110

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Fresh concrete	Testing hardened concrete Part 2: Making and curing specimens for strength tests	BS EN 12390 Part 2
Physical/ Mechanical	Fresh concrete	Testing fresh concrete Part 1: Sampling	BS EN 12350 Part 1

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Concrete products (paving blocks)	Precast concrete paving blocks Part 1: Specification for paving blocks DMS 1: Specification for precast concrete blocks Part 4: Paving blocks Annex A.1.2.2: Determination of thickness, length & width - Non Rectangular blocks	BS 6717 Part 1 and DMS 001 Part 4 Annex A.1.2.2

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Concrete products (paving blocks)	Precast concrete paving blocks Part 1: Specification for paving blocks DMS 1: Specification for precast concrete blocks Part 4: Paving blocks Annex A.2.2: Determination of plan area- Non-Rectangular paving blocks Annex B – Determination of Compressive strength	BS 6717 Part 1 and DMS 001 Part 4 Annex A.2.2 & Annex B

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Concrete products (paving blocks)	Precast concrete paving blocks Part 1: Specification for paving blocks DMS 1: Specification for precast concrete blocks Part 4: Paving blocks Annex A.1.2.1: Determination of thickness, length & width - Rectangular blocks	BS 6717 Part 1 and DMS 001 Part 4 Annex A.1.2.1

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Concrete products (paving blocks)	Precast concrete paving blocks Part 1: Specification for paving blocks DMS 1: Specification for precast concrete blocks Part 4: Paving blocks Annex A.2.1: Determination of plan area- Rectangular paving blocks Annex B: Determination of Compressive strength	BS 6717 Part 1 and DMS 001 Part 4 Annex A.2.1 & Annex B

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Concrete products (paving blocks)	DMS 1: Specification for precast concrete blocks Part 4: Paving blocks Annex C: Water absorption	DMS 001 Part 4 Annex C
Physical/ Mechanical	Tile adhesives	Adhesives for tiles. Determination of open time	BS EN 1346

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Tile adhesives	Ceramic tiles. Grouts and adhesives Part 2: Test methods for adhesives Clause 4.1: Determination of open time	BS ISO 13007 Part 2 Clause 4.1
Physical/ Mechanical	Tile adhesives	Adhesives for tiles. Determination of slip	BS EN 1308

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Tile adhesives	Ceramic tiles. Grouts and adhesives Part 2: Test methods for adhesives Clause 4.2: Determination of slip	BS ISO 13007 Part 2 Clause 4.2
Physical/ Mechanical	Tile adhesives	Adhesives for tiles Determination of tensile adhesion strength for cementitious adhesives	BS EN 1348

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Tile adhesives	Ceramic tiles. Grouts and adhesives Part 2: Test methods for adhesives Clause 4.4: Determination of tensile adhesion strength (C).	BS ISO 13007 Part 2 Clause 4.4

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Carbon Steel Bars	Steel for the reinforcement and pre-stressing of concrete Part 1: Test methods. Reinforcing bars, wire rod and wire (Tensile properties) Clause 5 – Tensile test	BS EN ISO 15630 Part 1 Clause 5

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Carbon Steel Bars	Steel for the reinforcement and pre-stressing of concrete Part 1: Test methods. Reinforcing bars, wire rod and wire (Rebend Test of Steel Bars) Clause 7: Rebend test	BS EN ISO 15630 Part 1 Clause 7

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Carbon Steel Bars	Steel for the reinforcement and pre-stressing of concrete Part 1: Test methods. Reinforcing bars, wire rod and wire (Bend Test of Steel Bars)	BS EN ISO 15630 Part 1 Clause 6

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Carbon Steel Bars	Clause 6: Bend test Steel for the reinforcement of concrete - Weldable reinforcing steel - Bar, coil and decoiled product - Specification	BS 4449 : 1997

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Thermoplastic Road Marking	Methods of test for petroleum and its products Part 58: Determination of softening point of bitumen. Ring and ball method	BS 2000 Part 58

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section
Dubai Central Laboratory Department
Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Thermoplastic Road Marking	Hot-applied thermoplastic road marking materials Part 3: Specification for application of material to road surfaces Appendix C : Determination of relative density	BS 3262 Part 3 APP. C AMD8785 : 1995 & AMD 10205 : 1998

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical/ Mechanical	Thermoplastic Road Marking	Hot-applied thermoplastic road marking materials Part 1: Specification for constituent materials and mixtures Appendix C: Determination of binder content; Appendix D: Determination of the grading of constituents and glass bead content	BS 3262 Part 1 AMD 8783 : 1995 APP. C & D

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical	Construction Materials	Thermoplastics pipes – Longitudinal reversion – Test method and parameters	BS EN ISO 2505 Part 5
Physical	Construction Materials	Polypropylene (PP) pipes – PP-H, PP-B, PP-R, PP- RCT - General quality requirements and testing Clause 5.1: Surface Condition	DIN 8078 Clause 5.1

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section
Dubai Central Laboratory Department
Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical	Construction Materials	Polypropylene (PP) pipes – PP-H, PP-B, PP-R, PP-RCT - General quality requirements and testing Clause 5.2: Dimensions	DIN 8078 Clause 5.2

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section

Dubai Central Laboratory Department

Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical	Construction Materials	Polypropylene (PP) pipes – PP-H, PP-B, PP-R, PP-RCT - General quality requirements and testing Clause 5.3: Out-of-roundness (ovality)	DIN 8078 Part 9 Clause 5.3
Physical	Construction Materials	Standard Test Method for Measuring Mass per Unit Area of Geotextiles	ASTM D5261

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section
Dubai Central Laboratory Department
Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical	Grouts For Tiles	Grouts for tiles Part 5: Determination of water absorption.	BS EN 12808 Part 5
Physical	Grouts For Tiles	Grouts for tiles Part 3: Determination of flexural and compressive strength	BS EN 12808 Part 3

Accreditation Scope
Construction Materials Testing
014-LB-TEST

Construction Material Laboratory Section
Dubai Central Laboratory Department
Dubai Municipality

Za'beel Street, Al Karamah, Dubai- United Arab Emirates

Issue no.: 09

Date: 29-05-2019

Valid to: 28-05-2022

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical	Grouts For Tiles	Vitreous and porcelain enamels - Determination of surface scratch hardness according to the Mohs scale	BS EN 15771

Accreditation History		
Issue no.	Details	Date
08	Extention in scope, renewal of accreditation and first issuance under the name of EIAC (which was formerly known as DAC)	29-05-2019