



Accreditation Scope

Arab Geotech for Soil investigation Laboratories LLC, NAL 083
Testing Laboratory, (ISO/IEC 17025:2017)

Mussafah Industrial - M / 46 Block No. 26 - Owner - Hamad Matar Muhammad Al Shamsi, Abu Dhabi,
United Arab Emirates

Issue Date: 14/05/2025

Expiry Date: 07/04/2027

Issue No: 8

Testing Field	Materials/ Products Tested	Type of test/ Test parameter/ Properties measured/Range of measurement	Test Method (Standard, Internal Procedure, Technique)	Permanent lab (P) / Client-site (S)
Construction materials and building	Soil	Particle Size Distribution	AASHTO T88-22	P
Construction materials and building	Soil	Initial Sample Preparation	BS 1377-1:2016	P
Construction materials and building	Soil	Sampling	AASHTO T2-91(2015)	S
Construction materials and building	Soil	Classification of Soil and Soil-Aggregate mixture of Highway construction purposes	AASHTO M 145-91(2021)	P
Construction materials and building	Soil	Linear Shrinkage	BS 1377-2:2022 Cl. 7	P
Construction materials and building	Soil	In-Situ CBR	BS 1377-9:1990 Cl. 4.3	S
Construction materials and building	Soil	Thermal Conductivity of Soil and Rock by Thermal Probe Procedure	ASTM D 5334-22ae1	P/S

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Construction materials and building	Soil	Permeability of Soil by Constant-Head Method	BS 1377-5:1990 Cl.5	P
Construction materials and building	Aggregate	Sieve Analysis of Fine and Coarse Aggregates	ASTM C136/C136M-19	P
Construction materials and building	Aggregate	Shell content. Percentage of shells in coarse aggregates	BS EN 933-7:1998	P
Construction materials and building	Aggregate	Aggregate Crushing Value	BS 812: Part 110: 1990	P
Construction materials and building	Aggregate	Ten Percent Fines Value	BS 812: Part 111: 1990	P
Construction materials and building	Aggregate	Soundness of Aggregates by use of Sodium Sulphate and Magnesium Sulphate	ASTM C88/C88M-24	P
Construction materials and building	Aggregate	Soundness of Aggregates by use of Sodium Sulphate and Magnesium Sulphate	AASHTO T104-22	P
Construction materials and building	Aggregate	Material Finer Than 75 Microns sieve in Mineral Aggregates by Washing	ASTM C117-23	P

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Construction materials and building	Aggregate	Material Finer Than 75 Micrometer (No.200) sieve in Mineral Aggregates by Washing	AASHTO T11-23	P
Construction materials and building	Aggregate	Specific Gravity and water Absorption of Coarse Aggregates	AASHTO T85-22	P
Construction materials and building	Aggregate	Specific Gravity and Water Absorption of Fine Aggregates	AASHTO T84-22	P
Construction materials and building	Aggregate	Clay Lumps and Friable Particles	ASTM C142/C142M-17(2023)	P
Construction materials and building	Aggregate	Clay Lumps and Friable Particles	AASHTO T112-23	P
Construction materials and building	Aggregate	Sand Equivalent Value	ASTM D2419-22	P
Construction materials and building	Aggregate	Plastic fines in graded aggregate and soils by use of the sand equivalent test	AASHTO T176-22	P
Construction materials and building	Aggregate	Aggregate Impact Value	BS 812: Part 112:1990	P

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Construction materials and building	Aggregate	Resistance to Degradation of Large -Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C535-16	P
Construction materials and building	Aggregate	Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C131/C131M-20	P
Construction materials and building	Aggregate	Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	AASHTO T96-22	P
Construction materials and building	Aggregate	Standard Practice for Sampling Aggregates	ASTM D75/D75M-19	P
Construction materials and building	Aggregate	Tests of Thermal and weathering Properties of aggregates. Drying Shrinkage	BS EN 1367-4:2008	P

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Construction materials and building	Aggregate	Density and Water Absorption of Aggregate Greater than 10mm	BS 812: Part 2: 1995 Cl. 5.3	P
Construction materials and building	Aggregate	Density and Water Absorption of Aggregate Nominal Size 10mm & Smaller	BS 812: Part 2: 1995 Cl. 5.5	P
Construction materials and building	Aggregate	Uncompact Void Content of Fine Aggregate	AASHTO T304-22	P
Construction materials and building	Aggregate	Shape index	BS EN 933-4:2008	P
Construction materials and building	Aggregate	Percentage of Fractured Particles in Coarse Aggregate	ASTM D5821-13(2017)	P
Construction materials and building	Aggregate	Percentage of Fractured Particles in Coarse Aggregate	AASHTO T335-09(2023)	P
Construction materials and building	Aggregate	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregates	ASTM D4791-19(2023)	P

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Construction materials and building	Aggregate	Clay Silt & Dust & Material Passing 0.063 mm Sieve	BS EN 933-1:2012	P
Construction materials and building	Aggregate	Particle Density and Water Absorption	BS EN 1097-6:2022	P
Construction materials and building	Aggregate	Moisture Content	BS EN 1097-5:2008	P
Construction materials and building	Aggregate	Bulk Density (Compacted & Un compacted)	BS 812-2:1995	P
Construction materials and building	Concrete	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	ASTM C 1202-22	P
Construction materials and building	Concrete	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	AASHTO T277-23	P
Construction materials and building	Concrete	Initial Surface Water Absorption of Concrete	BS 1881: Part 208: 1996	P
Construction materials and building	Fresh Concrete	Sampling and common apparatus	BS EN 12350-1:2019	S
Construction materials and building	Fresh Concrete	Slump Test	BS EN 12350-2:2019	S

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Construction materials and building	Fresh Concrete	Temperature of Freshly Mixed Hydraulic-Cement Concrete	ASTM C1064/C1064M-23	S
Construction materials and building	Fresh Concrete	Density	BS EN 12350-6:2019	S
Construction materials and building	Fresh Concrete	Concrete Air Content-Pressure Method	BS EN 12350-7:2019 Cl. 6	S
Construction materials and building	Fresh Concrete	Bleeding of concrete	ASTM C232/C232M-21	S
Construction materials and building	Concrete Investigation	Comparative Moisture Condition of Concrete, Gypsum Cement and Other Floor Slabs and Screeds Using a Non-Destructive Electronic Moisture Meter Surface Moisture	ASTM F2659-23	P/S
Construction materials and building	GRC	Measuring Bending Strength, 'Complete Precast Concrete Products - Bending Test' Method - Limit of Proportionality (LOP) and Modulus of Ruture (MOR)	BS EN ISO 1170-5:1998	P

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Construction materials and building	GRC	Precast Concrete Products - Dry Bulk Density	BS EN ISO 1170-6:1998	P
Construction materials and building	GRC	Precast Concrete Products - Water Absorption	BS EN ISO 1170-6:1998	P
Construction materials and building	Steel Rebar & Steel Products	Surface Geometry	BS 4449:2005+A3:2016 & BS EN ISO 15630-1:2019	P
Construction materials and building	Steel Rebar & Steel Products	Tensile Properties	ASTM A370-24	P
Construction materials and building	Steel Rebar & Steel Products	Coating thickness for coated steel Reinforcing Bars	ASTM A775/A775M-22 Cl. 8.	P/S
Construction materials and building	Aluminium & Aluminium Alloy Sheet & Plate	Tension Testing Wrought and Cast Aluminum-and Magnesium-Alloy Products (Metric)	ASTM B557-15(2023)	P

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Construction materials and building	Manhole (Cover & Frame)	Gully tops and manhole tops for vehicular and pedestrian areas- Definitions, classification, general principles of design, performance requirements and test methods Manhole (Cover & Frame) – Permanent Set & Load Test	BS EN 124-1:2015 Annex A & B / BS EN 124-2:2015	P
Construction materials and building	Manhole (Cover & Frame)	Gully tops and manhole tops for vehicular and pedestrian areas - Gully tops and manhole tops made of cast iron	BS EN 124-2:2015	P
Construction materials and building	Paving Blocks	Tensile Splitting Strength	BS EN 1338:2003	P
Construction materials and building	Paving Blocks	Abrasion Resistance –Sand Blast	ASTM C418-20	P

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Construction materials and building	Paving Blocks	Sampling and Testing Concrete Paving Units - Density, Relative Density & Absorption	ASTM C140/C140M-24, A4.5 & A4.6	P
Construction materials and building	Paving Blocks	Wide Wheel Abrasion	BS EN 1338:2003	P
Construction materials and building	Paving Blocks	Flexural Strength of Concrete	ASTM C293/C293M-16	P
Construction materials and building	Paving Blocks	Resistance to Salt attack	AS/NZS 4456.10:2003	P
Construction materials and building	Masonry Blocks	Sampling and Testing Concrete Masonry Units and Related Units - Absorption	ASTM C140/C140M-24, A1.5	P
Construction materials and building	Masonry Blocks	Sampling and Testing Concrete Masonry Units and Related Units- Density & Relative density	ASTM C140/C140M-24, A1.6	P
Construction materials and building	Masonry Blocks	Transverse Strength	BS 6073 -1:1981 Appendix C	P
Construction materials and building	Kerbstone	Water absorption	BS EN 1340:2003, Annex E	P

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Construction materials and building	Kerbstone	Dimension	BS 7263-1:1994, Annex A.3	P
Construction materials and building	Kerbstone	Transverse Strength	BS 7263-1:1994, Annex B & BS 7263-1:2001 Annex E.4	P
Construction materials and building	Kerbstone	Bending strength	BS EN 1340:2003	P
Construction materials and building	Kerbstone	Slip/ skid resistance	BS EN 1340:2003	P
Construction materials and building	Kerbstone	Wide Wheel Abrasion	BS EN 1340:2003	P
Construction materials and building	Kerbstone	Measurement of Dimension of a single unit	BS EN 1340:2003 Annex C	P/S
Construction materials and building	Concrete Paving Flags	Wide Wheel Abrasion	BS EN 1339:2003	P
Construction materials and building	Cement	Standard Consistence Test	BS EN 196-3:2016 Cl. 5	P
Construction materials and building	Cement	Setting Time Test	BS EN 196-3:2016 Cl. 6	P
Construction materials and building	Cement	Soundness Test	BS EN 196-3:2016 Cl. 7	P
Construction materials and building	Cement	Flexural Strength	BS EN 196-1:2016 Cl. 9.1	P

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Construction materials and building	Cement	Compressive Strength	BS EN 196-1:2016 Cl. 9.2	P
Construction materials and building	Cement	Fineness	BS EN 196-6:2018	P
Construction materials and building	Cement	Heat of hydration	BS EN 196-9:2010	P
Construction materials and building	Grout	Flow & Temperature	BS EN 445:2007 Cl. 4.3.1	P/S
Construction materials and building	Grout	Bleeding	BS EN 445:1997 Cl. 3.3	P/S
Construction materials and building	Grout	Volume Change	BS EN 445:1997 Cl. 3.4	P/S
Construction materials and building	Grout	Density	BS EN 445:2007 Cl. 4.7	P
Construction materials and building	Grout	Tensile Strength of Chemical-Resistant Mortar, Grouts, and Monolithic Surfacing	ASTM C307-23	P

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Construction materials and building	Grout	Flexural Strength and Modulus of Elasticity of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes	ASTM C580-18(2023)	P
Construction materials and building	Cement /Epoxy/Grout	Compressive Strength of Hydraulic Cement Mortars (Using 2-in or [50mm] Cube specimens)	ASTM C109/C109M-23	S
Construction materials and building	Grout Cubes	Compressive Strength	ASTM C579-23	P
Construction materials and building	Screed	In-situ Crushing Resistance of Floating Levelling Screeds	BS 8204-1:2003+A1:2009, Annex D	P/S
Construction materials and building	Geosynthetics/Geotextile/Geosynthetic Clay Liners	Wide-Width Tensile Test	ISO 10319:2024	P
Construction materials and building	Geosynthetics/Geotextile	Mass per Unit Area of Geotextiles	ASTM D5261-10(2018)	P
Construction materials and building	Geosynthetics/Geotextile	Grab Breaking Load and Elongation of Geotextiles	ASTM D4632/D4632M-15a(2023)	P

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Construction materials and building	Geosynthetics/Geotextile	Trapezoid Tearing Strength of Geotextiles	ASTM D4533/D4533M-15(2023)	P
Construction materials and building	Geosynthetics/ Geotextile	Index Puncture Resistance of Geomembranes and Related Products	ASTM D4833/D4833M-07(2020)	P
Construction materials and building	Geosynthetics/ Geotextile	Standard Test Method for Deterioration of Geotextiles by Exposure to Light, Moisture, and Heat in a Xenon Arc-Type Apparatus	ASTM D4355/D4355M-21	P
Construction materials and building	Geosynthetics/Geotextile	Dynamic perforation test (cone drop test)	BS EN ISO 13433:2006	P
Construction materials and building	Geotextile/ Geosynthetic Clay Liners	Static puncture test (CBR test)	BS EN ISO 12236:2006	P
Construction materials and building	Geotextile	Water Permeability of Geotextiles by Permittivity	ASTM D4491/D4491M-22	P

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Construction materials and building	Geotextile	Static Puncture Strength of Geotextiles and Geotextile-Related Products Using a 50-mm Probe	ASTM D6241-22a	P
Construction materials and building	Geotextile	Apparent Opening Size of a Geotextile	ASTM D4751-21a	P
Construction materials and building	Geotextile/ Geosynthetic Clay Liners/ Geostrap	Thickness	ASTM D5199-12(2019)	P
Construction materials and building	Geosynthetic Clay Liners	Tensile Strength of Geosynthetic Clay Liners	ASTM D6768/D6768M-20	P
Construction materials and building	Geosynthetic Clay Liners	Average Bonding Peel Strength Between Top and Bottom Layers of Needle-Punched Geosynthetic Clay Liners	ASTM D6496/D6496M-23a	P
Construction materials and building	Geosynthetic Clay Liners	Mass per Unit Area of Geosynthetic Clay Liners	ASTM D5993-18(2022)	P
Construction materials and building	Geogrid	Tensile Properties of Geogrids by the Single or Multi-Rib Tensile Method	ASTM D6637/D6637M-15(2023)	P

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Construction materials and building	Geogrid	Individual Geogrid Junction Strength	ASTM D7737/D7737M-15(2023)	P
Construction materials and building	Polyvinyl Chloride (uPVC pipe)/ Polyethylene	Plastics piping systems — Plastics components — dimensions	ISO 3126:2005	P
Construction materials and building	Polyvinyl Chloride (uPVC pipe)	Thermoplastics pipes — tensile properties — Part 1: General test method Thermoplastics pipes — tensile properties — Part 2: Pipes made of unplasticized poly(vinyl chloride) (PVC-U), oriented unplasticized poly(vinyl chloride) (PVC-O), chlorinated poly(vinyl chloride) (PVC-C) and high-impact poly(vinyl chloride) (PVC-HI)	BS EN ISO 6259-1:2015 BS EN ISO 6259-2:2020	P
Construction materials and building	Polyvinyl Chloride (uPVC pipe)/ Polyethylene	Thermoplastics pipes — Longitudinal reversion	ISO 2505:2023	P

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Construction materials and building	Polyvinyl Chloride (uPVC pipe)/ Polyethylene	Resistance to external blows-Round-the-clock method of Thermoplastics pipes	BS EN ISO 3127:2017	P
Construction materials and building	Polyolefin Pipes	Tensile Properties	BS EN ISO 6259-3:2015 BS EN ISO 6259-1:2015	P
Construction materials and building	Polyvinyl Chloride (uPVC pipe)/ Polyethylene	Determination of resistance to internal pressure	BS EN ISO 1167-1:2006	P
Construction materials and building	Polyethylene	Polyethylene (PE) pipes and fittings - Tensile strength and failure mode of test pieces from a butt-fused joint	BS ISO 13953:2001+A1:2020	P
Construction materials and building	Polyethylene, Polyvinyl Chloride (uPVC pipe)	Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics	ISO 1133-1:2022	P

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Construction materials and building	Water Stopper	Rubber Property— Durometer Hardness Shore A & D Hardness	ASTM D2240- 15(2021)	P
Construction materials and building	Water Stopper	Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers	ASTM D624- 00(2020)	P
Construction materials and building	Water Stopper/ Plastics	Plastics — Tensile properties — Part 1: General principles&Plastics — tensile properties — Part 2: moulding and extrusion plastics	ASTM D638-22	P
Construction materials and building	Water Stopper/ Plastics	Water Absorption	ASTM D570-22	P
Construction materials and building	Warning Tape/ Plastics	Tensile Properties of Thin Plastic Sheeting	ASTM D882-18	P
Construction materials and building	Warning Tape	Tear Resistance of Plastic Film and Thin Sheeting by Pendulum Method	ASTM D1922-23	P

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Accreditation Scope

Arab Geotech for Soil investigation Laboratories LLC, NAL 083
Testing Laboratory, (ISO/IEC 17025:2017)

Mussafah Industrial - M / 46 Block No. 26 - Owner - Hamad Matar Muhammad Al Shamsi, Abu Dhabi,
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Issue Date: 14/05/2025

Expiry Date: 07/04/2027

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Construction materials and building	Warning Tape/ Plastics	Impact Resistance of Plastic Film by the Free-Falling Dart Method	ASTM D1709-24	P
Construction materials and building	Warning Tape	Resistance of Plastics to Chemical Reagents	ASTM D543-21	P
Construction materials and building	Plastics	Tear Resistance (Graves Tear) of Plastic Film and Sheeting	ASTM D1004-21	P
Construction materials and building	Plastics	Density and Specific Gravity (Relative Density) of Plastics by Displacement	ASTM D792-20	P
Construction materials and building	Plastics	Determining the Izod Pendulum Impact Resistance of Plastics	ASTM D256-23e1	P
Construction materials and building	Water Proofing Membrane/ Self Adhesive Membrane	Tensile Strength & Elongation	ASTM D 5147/D5147M-18 Cl.7	P
Construction materials and building	Water Proofing Membrane	Tensile-Tear Strength of Bituminous Roofing Membranes	ASTM D4073/D4073M-06 (2019)e1	P

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Construction materials and building	Water Proofing Membrane	Tear Strength	ASTM D5147/D5147M-18 Section 8	P
Construction materials and building	Water Proofing Membrane/ Self Adhesive Membrane/ Protection Board	Mass per unit area	BS EN1849-1:2000	P
Construction materials and building	Water Proofing Membrane/ Self Adhesive Membrane/ Protection Board	Thickness	BS EN1849-1:2000	P
Construction materials and building	Water Proofing Membrane/ Self Adhesive Membrane	Water Absorption of Plastics	ASTM D570-22	P
Construction materials and building	Water Proofing Membrane/ Self Adhesive Membrane	Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover-Puncture Index	ASTM E154/E154M-08a(2019)	P
Construction materials and building	Water Proofing Membrane/ Self Adhesive Membrane/ Protection Board	Softening Point	ASTM D36/D36M-14(2020)	P

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Construction materials and building	Water Proofing Membrane	Hydrostatic Pressure Resistance of Waterproofing Membranes	ASTM D5385/D5385M-20	P
Construction materials and building	Joint Filler Board	Thickness	ASTM D545-23 Cl. 6.3	P
Construction materials and building	Joint Filler Board	Density	ASTM D545-23 Cl. 7.7	P
Construction materials and building	Joint Filler Board	Compression	ASTM D545-23 Cl. 7.2	P
Construction materials and building	Joint Filler Board	Recovery	ASTM D545-23 Cl. 7.2	P
Construction materials and building	Joint Filler Board	Extrusion	ASTM D545-23 Cl. 7.3	P
Construction materials and building	Joint Filler Board	Water Absorption	ASTM D545-23 Cl. 7.6	P
Construction materials and building	Joint Filler Board	Asphalt Content	ASTM D545-23 Cl. 7.5	P
Construction materials and building	PU Foam	Compressive Properties of Rigid Cellular Plastics	ASTM D1621-16(2023)	P
Construction materials and building	Wood	Bending Strength	ASTM D4761-19	P
Construction materials and building	Wood	Compression	ASTM D143-23	P

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Construction materials and building	Wood	Water Absorption	ASTM D1037-12(2020)	P
Construction materials and building	Flooring/ Marble/ Floor Tiles	Absorption and Bulk Specific Gravity	ASTM C97/C97M-18	P
Construction materials and building	Flooring/ Marble/ Floor Tiles	Modulus of Rupture	ASTM C99/C99M-24	P
Construction materials and building	Flooring/ Marble/ Floor Tiles	Compressive Strength	ASTM C170/C170M-24a	P
Construction materials and building	Flooring/ Marble/ Floor Tiles	Flexural Strength	ASTM C880/C880M-24	P
Construction materials and building	Flooring/ Marble/ Floor Tiles	Measuring Surface Frictional Properties Using the British Pendulum Tester	ASTM E303-22	P
Construction materials and building	GRP Pipe	Dimensions of "Fiberglass" (Glass-Fiber-Reinforced Thermosetting Resin) Pipe and Fittings	ASTM D3567-17(2022)	P
Construction materials and building	GRP Pipe	Indentation Hardness of Rigid Plastics by Means of a Barcollmpressor	ASTM D2583-13a	P

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Construction materials and building	GRP Pipe	Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials	ASTM D790-17	P
Construction materials and building	GRP Pipe	External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading- Stiffness	ASTM D2412-21	P
Construction materials and building	GRP Pipe	Longitudinal Tensile Properties of GRP	BS ISO 8513:2023	P
Construction materials and building	GRP Pipe	Ignition Loss of Cured Reinforced Resins	ASTM D2584-18	P
Construction materials and building	Asphalt	Asphalt Binder from Hot-Mix Asphalt (HMA)	AASHTO T164-22	P
Construction materials and building	Asphalt	Plastic flow of bituminous mixture using Marshall apparatus	AASHTO T245-22	P
Construction materials and building	Asphalt	Mechanical Analysis of Extracted Aggregate	AASHTO T30-21	P

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Construction materials and building	Asphalt	Loss of stability of compacted bituminous mixtures using Marshall Apparatus	DMS 10: 2001 (R 2007)	P
Construction materials and building	Asphalt	Voids in compacted bituminous paving mixture	DMS 9: 2001 (R 2007)	P
Construction materials and building	Asphalt	Sieve Analysis of Mineral Filler for Hot Mix Asphalt (HMA)	AASHTO T37-07(2020)	P
Construction materials and building	Asphalt	Compaction of Bituminous Aggregate Mixtures	AASHTO T230-68(2000)	P
Construction materials and building	Asphalt	Bulk Specific Gravity of Compacted Asphalt Mixtures Using SSD Specimens	AASHTO T166-22	P
Construction materials and building	Asphalt	Rate of Application	ASTM D2995-23	P
Construction materials and building	Bitumen/ Prime Coat/ Tack Coat	Ductility of Asphalt Materials	ASTM D113/D113M-17(2023)e1	P
Construction materials and building	Bitumen/ Prime Coat/ Tack Coat	Kinematic Viscosity of Asphalts	ASTM D2170/D2170M-24	P

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Construction materials and building	Bitumen/ Prime Coat/ Tack Coat	Penetration of Bituminous Materials	ASTM D5/D5M-20	P
Construction materials and building	Bitumen/ Prime Coat/ Tack Coat	Softening Point	ASTM D36/D36M-14(2020)	P
Construction materials and building	Bitumen/ Prime Coat/ Tack Coat	Density of Semi-Solid Asphalt Binder (Pycnometer Method)	ASTM D70/D70M-21	P
Construction materials and building	Bitumen/ Prime Coat/ Tack Coat	Flash and Fire Points by Cleveland Open Cup Tester	ASTM D92-18	P
Construction materials and building	Bitumen/ Prime Coat/ Tack Coat	Effect of Heat and Air on Asphaltic Materials (Thin-Film Oven Test)	ASTM D1754/D1754M-20	P
Construction materials and building	Bitumen/ Prime Coat/ Tack Coat	Solubility of Asphalt Materials in Trichloroethylene or Toluene	ASTM D2042-22	P
Construction materials and building	Bitumen/ Prime Coat/ Tack Coat	Saybolt Viscosity	ASTM D88/D88M-07(2024)	P
Construction materials and building	Bitumen/ Prime Coat/ Tack Coat	Distillation of Cutback Asphaltic (Bituminous) Products	ASTM D402/D402-24	P

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Construction materials and building	Bitumen/ Prime Coat/ Tack Coat	Water in Petroleum Products and Bituminous Materials by Distillation	ASTM D95-23	P
Construction materials and building	Road Marking Material	White and Yellow Reflective Thermoplastic Striping Material (Solid Form) ad Marking Material - Yellowness Index	AASHTO M249-12(2020) Cl.4.3.7	P
Construction materials and building	Road Marking Material	Thermoplastic Traffic Line Material Road Marking Material - Yellowness Index	AASHTO T250-23 Cl. 8	P
Construction materials and building	Road Marking Material	Standard Practice for Calculating Yellowness and Whiteness Indices from Instrumentally Measured Color Coordinates	ASTM E313-20	P

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Construction materials and building	Road Marking Material	White and Yellow Reflective Thermoplastic Striping Material (Solid Form) Road Marking Material - Flowability	AASHTO M249-12(2020) Cl. 4.3.6	P
Construction materials and building	Road Marking Material	Thermoplastic Traffic Line Material Road Marking Material - Flowability	AASHTO T250-23 Cl.11	P
Construction materials and building	Road Marking Material	White and Yellow Reflective Thermoplastic Striping Material (Solid Form) Road Marking Material - Impact Resistance	AASHTO M249-12(2020) Cl. 4.3.4	P
Construction materials and building	Road Marking Material	Thermoplastic Traffic Line Material Road Marking Material - Impact Resistance	AASHTO T250-23 Cl. 14	P
Construction materials and building	Road Marking Material	Softening Point of Bitumen (Ring-and-Ball Apparatus) Road Marking Material - Softening Point	ASTM D36/D36M-14(2020)	P

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Construction materials and building	Road Marking Material	White and Yellow Reflective Thermoplastic Striping Material (Solid Form) Road Marking Material - Low Temperature Stress Resistance	AASHTO M249-12(2020) Cls.4.3.3	P
Construction materials and building	Road Marking Material	Thermoplastic Traffic Line Material Road Marking Material - Low Temperature Stress Resistance	AASHTO T250-23, Cls.12	P
Construction materials and building	Road Marking Material	Measurement of Recto Reflective Pavement Marking Materials with CEN Prescribed Geometry using a Portable Retro Reflectometer	ASTM E1710-18	P
Construction materials and building	Road Marking Material	Bond Strength	ASTM D4796-17(2022)	P
Construction materials and building	Road Marking Material	White and Yellow Reflective Thermoplastic Striping Material (Solid Form) Specific Gravity	AASHTO M249-12(2020) Cl.4.1	P

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Construction materials and building	Road Marking Material	Density and Specific Gravity (Relative Density) of Plastics by Displacement Specific Gravity	ASTM D792-20 Method A	P
Construction materials and building	Road Marking Material	Thermoplastic Traffic Line Material Road Marking Material - Specific Gravity	AASHTO T250-23 Cl.16	P
Construction materials and building	Road Marking Material	Thermoplastic Traffic Line Material Road Marking Material - Flowability (% Residue) Extended Heating	AASHTO T250-23 Cl.17	P
Construction materials and building	Road Marking Material	Road Marking Material - Ultraviolet Light & Condensate Exposure	AASHTO T250-23, Cls.18	P
Construction materials and building	Road Marking Material	Standard Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Materials	ASTM G154-23	P

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Construction materials and building	Road Marking Material	Thermoplastic Traffic Line Material Road Marking Material - Hardness - Shore D	AASHTO T250-23 Cl.19	P
Construction materials and building	Road Marking Material	Rubber Property— Durometer Hardness	ASTM D2240-15(2021)	P
Construction materials and building	Road Marking Material	Road Marking Material - Flash Point	AASHTO T250-23 Cl. 20	P
Construction materials and building	Road Marking Material	Flash and Fire Points by Cleveland Open Cup Tested	ASTM D92-18	P
Construction materials and building	Road Marking Material	Road Marking Material - Drying Time @ 10 0C	AASHTO M249-12(2020) CI 4.3.2	P
Construction materials and building	Road Marking Material	Road Marking Material - Drying Time @ 32 0C	AASHTO M249-12(2020) CI 4.3.2	P
Construction materials and building	Road Marking Material	Road Marking Material - Luminance Factor	BS EN 1436:2018	P

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Construction materials and building	Glass Beads	Standard Method of Test for Glass Beads Used in Pavement Markings Glass Beads - Moisture Resistance Coating Test	AASHTO T346-22 Cl.9	P
Construction materials and building	Glass Beads	Standard Method of Test for Glass Beads Used in Pavement Markings Glass Beads - Floatation	AASHTO T346-22 Cl.10	P
Construction materials and building	Glass Beads	Standard Method of Test for Glass Beads Used in Pavement Markings Glass Beads - Refractive Index	AASHTO T346-22 Cl. 7	P
Construction materials and building	Glass Beads	Standard Guide for Choosing a Method for Determining the Index of Refraction and Dispersion of Glass	ASTM C1648-12(2023)	P

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Construction materials and building	Glass Beads	Standard Method of Test for Glass Beads Used in Pavement Markings Glass Beads - Roundness	AASHTO T346-22 Cl. 6 Method A &	P
Construction materials and building	Glass Beads	Roundness of Glass Spheres	ASTM D1155-10(2020)	P
Construction materials and building	Glass Beads	Standard Method of Test for Glass Beads Used in Pavement Markings Glass Beads - Sieve Analysis	AASHTO T 346-22	P
Construction materials and building	Glass Beads	Sieve Analysis of Glass Spheres	ASTM D 1214-10(2020)	P
Construction materials and building	Glass Beads	Standard Method of Test for Glass Beads Used in Pavement Markings Glass Beads - Adherence Coating Oven Test	AASHTO T346-22 Cl. 11	P
Construction materials and building	Glass Beads	Standard Method of Test for Glass Beads Used in Pavement Markings Glass Beads - Flow Characteristic Test	AASHTO T346-22 Cl. 8	P

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Construction materials and building	Organic Coatings	Abrasion Resistance of Organic Coatings by the Taber Abraser (Withdrawn)	ASTM D4060-19	P/S
Construction materials and building	Building Materials	Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements	ASTM E90-23	P
Construction materials and building	polyethylene, polypropylene, and polybutylene plastic	Carbon Black Content in Olefin Plastic	ASTM D1603-20	P
Construction materials and building	Road Marking Material	Binder Content	AASHTO T250-2023 Cl. 5 & ASTM D4797-17(2022)	P
Construction materials and building	Interlocking Tiles (Pigments - Black and White)	Alkali resistant	ASTM C979/C979M-24	P
Construction materials and building	Interlocking Tiles (Pigments - Black and White)	Total Sulphate	ASTM D50-90(2023)	P
Construction materials and building	Interlocking Tiles (Pigments - Black and White)	Water solubility	ASTM D1208-96(2019)	P

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Construction materials and building	Road Marking Material	Glass Bead Content	AASHTO T250-2023 Cl. 6 & ASTM D4797-88(1998)	P
Construction materials and building	Road Marking Material	Titanium Dioxide Determination	ASTM D1394-76(2020)	P
Construction materials and building	Road Marking Material	Lead Chromate Determination	ASTM D4797-88(1998)	P
Construction materials and building	Road Marking Material	Calcium Carbonate & Inert Fillers	ASTM C25-24	P
Construction materials and building	Admixture	pH	GSO ISO 4316	P
Construction materials and building	Admixture	Chloride	AG-SOP-019	P
Construction materials and building	Admixture	Specific Gravity, Apparent @25oC	ASTM D891-24, Method B	P
Construction materials and building	Admixture	Residue by Oven drying (mass percent)	ASTM C494/C494M-24 Clause 18.2	P
Construction materials and building	Concrete Water	Test method for pH of water	ASTM D 1293-18	P
Construction materials and building	Concrete Water	Test method for Chloride ion in water	ASTM D 512-23	P
Construction materials and building	Concrete Water	Test method for Sulphate ion in water	ASTM D 516-22	P

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Environmental Monitoring	Indoor Air Quality	Tempreture	BS EN 45544-1:2015	S
Environmental Monitoring	Indoor Air Quality	Relative Humidity	BS EN 45544-1:2015	S
Environmental Monitoring	Indoor Air Quality	Oxygen	BS EN 45544-1:2015	S
Environmental Monitoring	Indoor Air Quality	Ozone (O3)	BS EN 45544-1:2015	S
Environmental Monitoring	Indoor Air Quality	Carbon Monoxide (CO)	BS EN 45544-1:2015	S
Environmental Monitoring	Indoor Air Quality	Formaldehyde (HCHO)	BS EN 45544-1:2015	S
Environmental Monitoring	Indoor Air Quality	Carbon dioxide (CO2)	BS EN 45544-1:2015	S
Environmental Monitoring	Indoor Air Quality	Sulfur Dioxide (SO2)	BS EN 45544-1:2015	S
Environmental Monitoring	Indoor Air Quality	Nitrogen Dioxide (NO2)	BS EN 45544-1:2015	S
Environmental Monitoring	Indoor Air Quality	Total Volatile Organic Compounds (TVOC)	BS EN 45544-1:2015	S
Environmental Monitoring	Indoor Air Quality	Particulate Matter (PM1.0)	ISO 21501-4:2018	S

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Accreditation Scope

Arab Geotech for Soil investigation Laboratories LLC, NAL 083
Testing Laboratory, (ISO/IEC 17025:2017)

Mussafah Industrial - M / 46 Block No. 26 - Owner - Hamad Matar Muhammad Al Shamsi, Abu Dhabi,
United Arab Emirates

Issue Date: 14/05/2025

Expiry Date: 07/04/2027

Issue No: 8

Environmental Monitoring	Indoor Air Quality	Particulate Matter (PM2.5)	ISO 21501-4:2018	S
Environmental Monitoring	Indoor Air Quality	Particulate Matter (PM10)	ISO 21501-4:2018	S
Environmental Monitoring	Outdoor Air Quality (Ambient)	Temperature	BS EN 60079-29-2:2015	S
Environmental Monitoring	Outdoor Air Quality (Ambient)	Relative Humidity	BS EN 60079-29-2:2015	S
Environmental Monitoring	Outdoor Air Quality (Ambient)	Hydrogen Sulfide (H2S)	BS EN 60079-29-2:2015	S
Environmental Monitoring	Outdoor Air Quality (Ambient)	Ammonia (NH3)	BS EN 60079-29-2:2015	S
Environmental Monitoring	Outdoor Air Quality (Ambient)	Carbon Monoxide (CO)	AS 3580.7.1:2023	S
Environmental Monitoring	Outdoor Air Quality (Ambient)	Ozone (O3)	AS 3580.6.1:2023	S
Environmental Monitoring	Outdoor Air Quality (Ambient)	Sulphur Dioxide (SO2)	AS 3580.4.1:2023	S
Environmental Monitoring	Outdoor Air Quality (Ambient)	Nitrogen Dioxide (NO2)	AS 3580.5.1:2023	S
Environmental Monitoring	Outdoor Air Quality (Ambient)	Particulate Matter (PM2.5)	AS/NZS 3580.12.1:2015	S
Environmental Monitoring	Outdoor Air Quality (Ambient)	Particulate Matter (PM10.0)	AS/NZS 3580.12.1:2015	S

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Environmental Monitoring	Outdoor Air Quality (Ambient)	Total Suspended Particulates (TSP)	AS/NZS 3580.12.1:2015	S
Microbiology	Environment - Air	Aerobic Plate Count	IESO Method 1220, 2nd Ed.(2003) NIOSH Method 800, 4th Ed.(1998)	S
Microbiology	Environment - Air	Yeast & Mould Count	IESO Method 1220, 2nd Ed.(2003) NIOSH Method 800, 4th Ed.(1998)	S
Microbiology	Environment - Air	Total Viable Count	IESO Method 1220, 2nd Ed.(2003) NIOSH Method 800, 4th Ed.(1998)	S
Mechanical/ Physical	Deep Foundations	Standard Test Method for High-Strain Dynamic Testing of Deep Foundations	ASTM D4945-17	S
Mechanical/ Physical	Deep Foundations	Standard Test Method for Integrity Testing of Concrete Deep Foundations by Ultrasonic Crosshole Testing	ASTM D6760-16	S

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Mechanical/ Physical	Deep Foundations	Standard Guide for Conducting Borehole Geophysical. Logging: Mechanical Caliper	ASTM D6167-19	S
Mechanical/ Physical	Deep Foundations	Standard Test Methods for Deep Foundations Under Static Axial Compressive Load Bi-directional static load test	In-house Procedure based on ASTM D1143/ D1143M-20 & ASTM D8169/ D8169M-18	S
Civil engineering	Soil	Standard Penetration Test	BS 1377-9:1990 Cl 3.3	S
Civil engineering	Soil	Soil Sampling	BS 5930:2015+A1:2020, Section 4, Cl. 25	S
Civil engineering	Ground Water	Ground Water Level Management	BS 5930:2015+A1:2020; Section B Cl.52.2, 52.3 & 52.10 Stand pipe piezometer Cl 52.5	S
Civil engineering	Ground Water	Ground Water Sampling	BS 5930:2015+A1:2020; Section 4 Cl. 26.4	S

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Civil engineering	Soil & Rock	Soil & Rock Description	BS 5930:2015+A1:2020; Section 6 Cl. 33 & 36	P/S
Civil engineering	Soil	Classification of Soils	ASTM D2487-17e1	P/S
Civil engineering	Rock	Rock quality designation	BS 5930:2015+A1:2020; Section 6 Cl. 36	P/S
Civil engineering	Core	Core Recovery	BS 5930:2015+A1:2020; Section 6 Cl. 36	S
Civil engineering	Rock Core	Preparation of rock core	ASTM D 4543-19	P
Civil engineering	Rock Core	Unconfined Compression Strength	ASTM D7012-23	P
Civil engineering	Soil	Particle size distribution	ASTM D 422-63 (2007)	P
Civil engineering	Soil	Liquid limit, Plastic limit and plasticity index of Soils	BS 1377-2:2022, Clause 5.4/ BS EN 17892-12:2018+A2:2022, Clause 5.4, 5.5, 6.5	P
Civil engineering	Soil	Hydrometer Analysis	BS 1377-2 :1990; Cl. 9.5 AMD 9027-1996	P

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Civil engineering	Soil	Hydrometer Analysis	BS EN ISO 17892-4:2016-Cl.4.2, 5.3 & 6.2	P
Civil engineering	Soil and Rock	Determination of Water (Moisture) content of Soil and Rock by Mass	BS 1377-2:2022, Clause 4/ BS EN 17892-1:2014+A1:2022/ ASTM D 2216-19	P
Civil engineering	Soil	Particle Size Distribution by Sieving Method	BS EN ISO 17892-4-2016 Cl. 5.2	P
Civil engineering	Ground Investigation	Code of practice for ground Investigations-Reporting	BS 5930:2015+A1:2020; Section 10, Cl. 63	P
Construction materials and building	Soil	In-situ Density by Sand Replacement Method (Large pouring cylinder)	ASTM D 1556/D 1556-15e1 BS 1377-9:1990 AMD-8264-1995; Cl.2.2	S
Construction materials and building	Hardened Concrete	Shape, dimensions and other requirements for specimens and molds	BS EN 12390-1:2021	P
Construction materials and building	Hardened Concrete	Making and curing specimens for strength tests	BS EN 12390-2:2019	P

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Construction materials and building	Hardened Concrete	Compressive strength of test specimens	BS EN 12390-3:2019	P
Construction materials and building	Hardened Concrete	Density of hardened concrete	BS EN 12390-7:2019	P
Construction materials and building	Hardened Concrete	Precast concrete paving blocks - Measurement of dimension and plan area	BS 6717-1: 1993 Annex A	P
Construction materials and building	Hardened Concrete	Precast concrete paving blocks - Determination of compressive strength	BS 6717-1: 1993 Annex B	P
Construction materials and building	Hardened Concrete	Precast concrete masonry units - Measurement of dimension	BS 6073-1 :1983 Appendix A (AMD 4462-84)	P
Construction materials and building	Hardened Concrete	Precast concrete masonry units - Compressive strength	BS 6073-2:1983 Appendix B (AMD 4508-84)	P
Construction materials and building	Hardened Concrete	Water Absorption of Concrete	BS 1881 Part 122:2011+A1:2020	P
Construction materials and building	Hardened Concrete	Water Permeability of Concrete	DIN 1048-5:1991	P

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Construction materials and building	Hardened Concrete	Depth of Penetration of Water Under Pressure	BS EN 12390-8:2019	P
Construction materials and building	Hardened Concrete	Compressive Strength of Concrete Core	BS EN 12504-1:2019 BS EN 12390-3:2019	P
Construction materials and building	Hardened Concrete	Non-Destructive Testing of Concrete in Structures – Determination of Rebound Hammer	BS EN 12504-2:2021	S
Construction materials and building	Hardened Concrete	Corrosion Potentials of Uncoated Reinforcing Steel in Concrete	ASTM C876-22b	S
Construction materials and building	Hardened Concrete	Determination of Ultrasonic Pulse Velocity of Concrete	BS EN 12504-4:2021	S
Construction materials and building	Hardened Concrete	Determination of carbonation depth in hardened concrete by the phenolphthalein method	BS EN 14630:2006	S

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Construction materials and building	Hardened Concrete	Recommendations on the use of Electromagnetic Covermeters in Testing Concrete	BS 1881-204:1988	S
Construction materials and building	Steel	Tensile Properties & Elongation of Reinforcement Bars	BS 4449: 2005+A3:2016 Cl. 7.2.3 BS EN ISO 15630-1:2019; Cl. 5	P
Construction materials and building	Steel	Tensile Properties & Elongation of Reinforcement Bars	BS EN ISO 6892-1:2019	P
Construction materials and building	Steel	Bend Test – Carbon steel bars for the reinforcement of concrete	BS 4449:1988, App C, Cl. 1.6.1	P
Construction materials and building	Steel	Rebend Test – Steel for the Reinforcement of Concrete	BS 4449:2005+A3:2016; Cl. 7.2.5 BS EN ISO 15630-1-2019; Cl. 7	P
Construction materials and building	Aggregates	Determination of particle shape. Flakiness index	BS EN 933-3:2012 *BS 812-105.1:1989	P
Construction materials and building	Aggregates	Elongation Index	*BS 812-105.2:1990	P
Construction materials and building	Aggregates	Particle Size Distribution (PSD)	BS EN 933-1:2012	P

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Construction materials and building	Aggregates	Relative Density (Specific Gravity) and Absorption of Fine Aggregates	ASTM C128-22	P
Construction materials and building	Aggregates	Density, Relative Density (Specific Gravity) and Absorption of Coarse Aggregates	ASTM C 127-24	P
Construction materials and building	Aggregates	Sieve Analysis of Fine and Coarse Aggregates	AASHTO T27-20	P
Construction materials and building	Soil	Dry Density - Moisture Content Relationship using 4.5 kg Rammer	BS 1377-2:2022 Cl. 11.5 & 11.6	P
Construction materials and building	Soil	Determination of Moisture Content	BS 1377-2:1900; Amd. 9027-1996, Cl. 3.2	P
Construction materials and building	Soil	Laboratory Compaction Characteristics of Soil Using Modified Efforts	ASTM D1557-12(2021)	P
Construction materials and building	Soil	Determination of California Bearing Ratio (CBR)	BS 1377-2:2022 Cl. 15	P

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Construction materials and building	Soil	California Ratio (CBR) of Laboratory Compacted Soils	ASTM D1883-21	P
Construction materials and building	Soil	Particle Size Distribution by Sieving Method	BS EN ISO 17892-4-2016 Cl. 5.2	P
Construction materials and building	Soil	Particle Size Distribution Using Sieve Analysis	ASTM D6913/D6913M-17	P
Construction materials and building	Soil	Moisture (Water) Content of Soil	BS EN ISO 17892-1:2014	P
Construction materials and building	Soil	Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop	AASHTO T180-22	P
Construction materials and building	Soil	Density of Soil In-Place by the Sand-Cone Method	AASHTO T191-14(2022)	P
Construction materials and building	Soil	California Bearing Ratio	AASHTO T193-22	P
Construction materials and building	Soil	Laboratory Determination of Moisture Content of Soil	AASHTO T265-22	P

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Construction materials and building	Soil	Determination of Liquid Limit of Soil	AASHTO T89-22	P
Construction materials and building	Soil	Determination the Plastic Limit and Plasticity Index of Soil	AASHTO T90-22	P
Construction materials and building	Soil	Plate Load Test of Soil	BS 1377-9:1990/ AASHTO T222-21(2021) /ASTM D 1194-94	P
Construction materials and building	Bitumen	Quantitative Extraction of Bitumen from Bituminous Paving Mixture	ASTM D2172/D2172M-24	P
Construction materials and building	Asphalt	Mechanical Size Analysis of Extracted Aggregate	ASTM D5444-24	P
Construction materials and building	Asphalt	Specific Gravity, Density and Water Absorption of Non-Absorptive Compacted Asphalt Mixtures	ASTM D2726/D2726M-21, Clause 10.2	P
Construction materials and building	Asphalt	Preparation of Asphalt Mixture Specimens Using Marshall Apparatus	ASTM D6926-20	P

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Construction materials and building	Asphalt	Theoretical Maximum Specific Gravity of Asphalt	ASTM D2041/D2041M-19	P
Construction materials and building	Asphalt	Marshall Stability and Flow of Asphalt Mixtures	ASTM D6927-22	P
Construction materials and building	Bitumen	Thickness of Compacted Bituminous Paving Mixture Specimens	ASTM D3549/D3549M-18(2023)	P
Geophysical Survey	Soil	Multichannel Analysis of Surface Waves (MASW)	MS-58 (In-house Method)	S
Geophysical Survey	Soil	Electrical Resistivity Tomography (ERT)	MS-59 (In-house Method)	S
Chemical technology	Soil	Acid soluble sulphate content of soil	BS 1377-3: 2018+ A1:2021 Clause 7.2.3, 7.6, 7.9	P
Chemical technology	Soil	Water soluble sulphate content of soil	BS 1377-3: 2018+ A1:2021 Clause 7.2.3, 7.3, 7.6	P
Chemical technology	Soil	Acid soluble chloride content of soil	BS 1377-3: 2018+ A1:2021 Clause 9.1, 9.2.7.1, 9.2.2, 9.3	P

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Chemical technology	Soil	Water soluble chloride content of soil	BS 1377-3: 2018+ A1:2021 Clause 9.1, 9.2.2, 9.2.3, 9.2.4, 9.2.5, 9.2.7 & 9.2.8, 9.2.9.1, 9.2.9.3, 9.2.10	P
Chemical technology	Soil	pH of soil	BS 1377-3: 2018+ A1:2021 Clause 12	P
Chemical technology	Soil	Water Soluble salts of Soil	BS 1377-3:2018 + A1: 2021 Cl. 11 & Earth Manual (Des. 8)	P
Chemical technology	Ground Water	pH of ground water	BS 1377-3: 2018+ A1:2021 Clause 12	P
Chemical technology	Ground Water	Sulphate content of ground water	BS 1377-3: 2018+ A1:2021, Clause 7.6, 7.8	P
Chemical technology	Ground Water	Chloride content of ground water	BS 1377-3: 2018+ A1:2021 Clause 9.1, 9.2.2, 9.2.4, 9.2.7, 9.2.8, 9.2.10	P
Chemical technology	Ground Water	Total Dissolved solids of water	BS 1377-3:2018 + A1: 2021 ; Cl 11	P
Chemical technology	Hardened Concrete	Sulphate content of hardened concrete	BS 1881-124: 2015+ A1: 2021 ; Cl.12.2	P
Chemical technology	Hardened Concrete	Chloride content of hardened concrete	BS 1881-124: 2015; A1+ 2021 Cl.12.1	P

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Chemical technology	Water, Wasterwater	pH	APHA 4500 H+B: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Electrical Conductivity	APHA 2510 B: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Turbidity	APHA 2130 B: 24th Ed. 2023 (Nephelometric method)	P
Chemical technology	Water, Wasterwater	Total Suspended Solids dried at 103- 105oC	APHA 2540 D: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Total Dissolved Solids at 180oC	APHA 2540 C: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Calcium	APHA 3500 Ca B: 24th Ed. 2023 (EDTA Titrimetric method)	P
Chemical technology	Water, Wasterwater	Magnesium	APHA 3500 Mg B: 24th Ed. 2023 (Calculation method)	P
Chemical technology	Water, Wasterwater	Total Hardness	APHA 2340 C: 24th Ed. 2023 (EDTA Titrimetric method)	P
Chemical technology	Water, Wasterwater	Total Alkalinity mg CaCO3/L	APHA 2320 B: 24th Ed. 2023 (Titration method)	P

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Chemical technology	Water, Wasterwater	Carbonates and Bicarbonates	APHA 2320 B: 24th Ed. 2023 (Titration method)	P
Chemical technology	Water, Wasterwater	Chloride	APHA 4500 Cl- B: 24th Ed. 2023 (Argentometric method)	P
Chemical technology	Water, Wasterwater	Ammonia	HACH 10205 10/2020 Ed. 11(Salicylate method)	P
Chemical technology	Water, Wasterwater	Free Chlorine	HACH 8021 01/2014 Ed. 9(US EPA DPD method)	P
Chemical technology	Water, Wasterwater	Fluoride	HACH 8029 08/2018 Ed. 10(US EPA Spadns method)	P
Chemical technology	Water, Wasterwater	Nitrate	HACH 8039 01/2019 Ed. 10	P
Chemical technology	Water, Wasterwater	Nitrite	HACH 8507 08/2019 Ed. 11 (Diazotization method)	P
Chemical technology	Water, Wasterwater	Orthophosphate (Reactive Phosphorus)	HACH 8048 01/2017 Ed. 10 US EPA PhosVer 3(Ascorbic acid) method	P
Chemical technology	Water, Wasterwater	Sulfate	HACH 8051 10/2019 Ed. 11	P

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Chemical technology	Water, Wasterwater	Metals-	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Aluminium	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Antimony	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Arsenic	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Barium	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Boron	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Cadmium	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P

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Arab Geotech for Soil investigation Laboratories LLC, NAL 083
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Mussafah Industrial - M / 46 Block No. 26 - Owner - Hamad Matar Muhammad Al Shamsi, Abu Dhabi,
United Arab Emirates

Issue Date: 14/05/2025

Expiry Date: 07/04/2027

Issue No: 8

Chemical technology	Water, Wasterwater	Calcium	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Chromium	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Cobalt	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Copper	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Iron	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Lead	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Lithium	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P

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Chemical technology	Water, Wasterwater	Magnesium	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Manganese	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Molybdenum	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Nickel	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Potassium	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Selenium	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Silver	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P

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Chemical technology	Water, Wasterwater	Sodium	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Strontium	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Thallium	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Vanadium	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Zinc	APHA 3120 B: 24th Ed. 2023 & APHA 3030 E: 24th Ed. 2023	P
Chemical technology	Water, Wasterwater	Mercury	US EPA 200.7 Revision 4.4 (1982)	P
Chemical technology	Water (ultrapure)	Silica	HACH 8186 09/2019 Ed. 10(Heteropoly blue method)	P

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Chemical technology	Water	Silica	HACH 8185 01/2014 Ed. 9(Silicomolybdate method)	P
Chemical technology	Wastewater	Biochemical Oxygen Demand (BOD)	APHA 5210 B: 24th Ed. 2023 (5 day BOD test)	P
Chemical technology	Wastewater	Chemical Oxygen Demand (COD)	APHA 5220 B: 24th Ed. 2023 (Open Reflux method)	P
Chemical technology	Wastewater	Oil & Grease	APHA 5520 B: 24th Ed. 2023 (Liquid-Liquid, Partition-Gravimetric method)	P
Chemical technology	Wastewater	Sulfide	APHA 4500 S2- F: 24th Ed. 2023 (Iodometric method)	P
Survey	Soil/Concrete	GPR Scanning	MS-60 In-house Procedure	S
Survey	Concrete	Wall Probing Radar	MS-60a In-house Procedure	S
Civil engineering	Deep Foundations	Low Strain Impact Integrity Testing of Deep Foundations	ASTM D5882-16	S

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Construction materials and building	Concrete	Electrical Resistivity of Concrete using Four Point Wenner Probe Resistivity Meter	AASHTO T 358-21	S
Construction materials and building	Steel Rebar & Anchors	Pull-out Test on Hardened Concrete	BS 1881-207:1992 Cl. 7.0	S
Construction materials and building	Concrete	Mortar-Grout Pull-off Strength	BS 1881-207:1992 Cl. 8.0	S
Construction materials and building	Coating on Concrete Substrate	Pull-off Adhesion Strength of Coatings on Concrete Using Portable Pull-Off Adhesion Tester	ASTM D7234-22	S
Construction materials and building	Coating on Metal Substrates	Pull-off Strength of Coatings Using Portable Pull-Off Adhesion Tester	ASTM D4541-22	S
Civil engineering	Rock Core	Point Load Strength Index	ASTM D5731-16	P
Construction materials and building	Manhole (Cover & Frame)	Paint & Varnishes - film Thickness	ISO 2808:2019	P/S
Construction materials and building	Road Marking Material	Flowability (% Residue) Extended Heating	AASHTO M249-12(2020) Cl. 4.3.8 / AASHTO T250-23 Cl.17	P

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Environmental Monitoring	Indoor Air Quality (Ambient)	Hydrogen Sulfide (H2S)	BS EN 60079-29-2:2015	S
Environmental Monitoring	Indoor Air Quality (Ambient)	Ammonia (NH3)	BS EN 60079-29-2:2015	S
Environmental Monitoring	Outdoor Air Quality (Ambient)	Wind Speed	EPA-454/R-99-005-2000	S
Environmental Monitoring	Outdoor Air Quality (Ambient)	Wind Direction	EPA-454/R-99-005-2000	S
Microbiology	Indoor - Air	Indoor Air Sampling	AG-SOP-016 Based on IESO Method 1220, 2nd Edition and NIOSH Method 800, 4th Edition	S
Civil engineering	Soil	Electrical Cone and Piezocone Penetration Test	BS EN ISO 22476-1:2023 ASTM D5778-20	S
Civil engineering	Pavement Surface	Deflections with a Falling-Weight-Type Impulse Load Device	ASTM D4694-09(2020)	S
Civil engineering	Vehicular Travelled Surface	Measuring the Longitudinal Profile of Traveled Surfaces	ASTM E950/E950M-22	S

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Biological	Water, Wastewater, Swimming Pool Water	Total Coliforms	APHA 9222 B: 24th Ed. 2023 (Membrane filter procedure using Endo media)	P
Biological	Water, Wastewater, Swimming Pool Water	E. coli	APHA 9222 B / H: 24th Ed. 2023 (Membrane filter procedure using Endo media / EC MUG)	P
Biological	Recreational waters	Pseudomonas aeruginosa	ISO 16266:2006 (Membrane Filter technique)	P
Biological	Water, Wastewater, Swimming Pool Water	Heterotrophic Plate Count	APHA 9215 B: 24th Ed. 2023 (Pour plate method, 35oC/48h)	P
Biological	Water, Wastewater, Swimming Pool Water	Total Coliforms	APHA 9222 B: 24th Ed. 2023 (Membrane filter procedure using Endo media)	P
Biological	Water, Wastewater, Swimming Pool Water	Thermotolerant (Fecal) Coliform	APHA 9222 D: 24th Ed. 2023 (Thermotolerant (Fecal) Coliform membrane filter procedure)	P
Biological	Water, Wastewater, Swimming Pool Water	Fecal Enterococcus/ Streptococcus	APHA 9230 C: 24th Ed. 2023 (Membrane filter technique)	P

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Biological	Water, Wastewater, Swimming Pool Water	Enumeration of Legionella	ISO 11731:2017 Matrix A -Procedure 1, Matrix B- Procedure 8, 9 and 10, Matrix C- Procedure 14	P
END				

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