



INTERNATIONAL
ACCREDITATION
SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest that

TECH LAB (TECHNICAL LABORATORIES)

INDUSTRIAL AREA, STREET # 11, BUILDING NO. 225
DOHA, QATAR

Testing Laboratory TL-387

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date December 19, 2024



International Accreditation Service
Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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TECH LAB (TECHNICAL LABORATORIES)

www.techlabqatar.com

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Accredited to ISO/IEC 17025:2017

Effective Date December 19, 2024

Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Admixture	BS EN 480-8 2012	Admixtures for concrete, mortar and grout – Test methods Part 8: Determination of the conventional dry material content	Main Lab
Aggregate	ASTM C29/C29M-17a	Standard Test Method for Bulk Density (Unit Weight) and Voids in Aggregate	Main Lab
Aggregate	ASTM C88/C88M	Standard Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	Main Lab
Aggregate	ASTM C117-17	Standard Test Method for Materials Finer than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	Main Lab BMJV Site Lab
Aggregate	ASTM C123/C123M-14	Lightweight Particles in Aggregates	Main Lab
Aggregate	ASTM C127-15	Standard Test Method for Relative Density (Specific Gravity) and Absorption of Coarse Aggregate	Main Lab
Aggregate	ASTM C128-15	Standard Test Method for Relative Density (Specific Gravity) and Absorption of Fine Aggregate	Main Lab
Aggregate	ASTM C131/C131M-20	Resistance to Degradation of Small- Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Main Lab
Aggregate	ASTM C 136/C136-19	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates	Main Lab BMJV Site Lab
Aggregate	ASTM C142/C142M	Clay Lumps and Friable Particles in Aggregates	Main Lab
Aggregate	ASTM C289-07	Standard Test Method for Potential Alkali-Silica Reactivity of Aggregates (Chemical Method)	Main Lab
Aggregate	ASTM C535-16	Resistance to Degradation of Large- Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Main Lab
Aggregate	ASTM C1252-17	Standard Test Methods for Uncompacted Void Content of Fine Aggregate (as Influenced by Particle Shape, Surface Texture, and Grading)	Main Lab

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Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Aggregate	ASTM C1260-21	Standard Test Method for Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	Main Lab
Aggregate	ASTM D75/D75M CI 5.3.3 - Sampling From Stockpiles	Standard Practice for Sampling Aggregates: Sampling from Stockfiles	Main Lab BMJV Site Lab
Aggregate	ASTM D546-17	Standard Test Method for Sieve Analysis of Mineral Filler for Bituminous Paving Mixtures	Main Lab
Aggregate	ASTM D4791-19	Standard Test Method for Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	Main Lab
Aggregate	ASTM D5821-13 (2017)	Determining the Percentage of Fractured Particles in Coarse Aggregate	Main Lab
Aggregate	BS 812-2 (Clause 5.3) 1995	Testing aggregates. Methods for determination of density Determination of particle densities and water absorption Method for aggregates larger than 10 mm	Main Lab
Aggregate	BS 812-2 (Clause 5.4) 1995	Testing aggregates. Methods for determination of density Determination of particle densities and water absorption Method for aggregates between 40mm and 5mm	Main Lab
Aggregate	BS 812-2 (Clause 5.5) 1995	Testing Aggregates. Methods for determination of density Determination of particle densities and water absorption Method for aggregates 10mm nominal size and smaller	Main Lab
Aggregate	BS 812-2 (Clause 5.7) 1995	Methods for determination of density Determination of particle densities and water absorption Method for determination of particle density of filler	Main Lab
Aggregate	BS 812-102:1989	Testing aggregates Methods for sampling	Main Lab
Aggregate	BS 812-103.1 (Clauses 7.2 & 7.3) - 1985	Testing aggregates Method for determination of particle size distribution Sieve tests	Main Lab
Aggregate	BS 812-105 Sections 105.1 and 105.2 - 1990	Methods for Determination of Particle Shape Section 105.1- Flakiness Index Section 105.2- Elongation Index of Coarse Aggregate	Main Lab
Aggregate	BS 812-109 (Clause 6):1990	Testing aggregates – Part 109: Methods for determination of moisture content Cl. 6 - Definitive, oven drying method	Main Lab



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Aggregate	BS 812-110:1990	Testing Aggregates. Methods for determination of Aggregate Crushing Value (ACV)	Main Lab
Aggregate	BS 812-111:1990	Testing aggregates. Methods for determination of Ten Percent Fines Value (TFV)	Main Lab
Aggregate	BS 812-112:1990	Determination of Aggregate Impact Value	Main Lab
Aggregate	BS EN 932-1 (Clause 8.8):1997	Tests for general properties of aggregates Methods for sampling Cl. 8.8 - Sampling from Stockpiles	Main Lab
Aggregate	BS EN 932-1 (Clause 9):1997	Tests for general properties of aggregates Part 1: Methods for sampling Cl. 9 - Sample reduction	Main Lab
Aggregate	BS EN 933-1:2012	Tests for geometrical properties of aggregates Determination of particle size distribution. Sieving method	Main Lab
Aggregate	BS EN 933-3:2012	Tests for geometrical properties of aggregates Part3: Determination of particle shape Flakiness index	Main Lab
Aggregate	BS EN 933-4:2008	Tests for geometrical properties of aggregates Part 4: Determination of particle shape - Shape index	Main Lab
Aggregate	BS EN 933-7:1998	Tests for geometrical properties of aggregates Determination of Shell Content. Percentage of shells in coarse Aggregates	Main Lab
Aggregate	BS EN 933-8:2012+A1:2015	Tests for geometrical properties of aggregates. Assessment of fines. Sand equivalent test	Main Lab
Aggregate	BS EN 1097-1:2011	Tests for mechanical and physical properties of aggregates Part 1: Determination of the resistance to wear (micro-Deval)	Main Lab
Aggregate	BS EN 1097-2:2020	Determination of Resistance to Fragmentation	Main Lab
Aggregate	BS EN 1097-5:2008	Tests for mechanical and physical properties of aggregates. Determination of the water content by drying in a ventilated oven	Main Lab
Aggregate	BS EN 1097-6:2013	Tests for mechanical and physical properties of aggregates. Determination of particle density and water absorption	Main Lab
Aggregate	BS EN 1367 Part 2:2009	Tests for thermal and weathering properties of aggregates. Magnesium Sulfate Test	Main Lab
Aggregate	BS EN 1367-4:2008	Tests for thermal and weathering properties of aggregates. Determination of drying shrinkage	Main Lab
Aggregate	CML-1 -97	Immersed Rotation Test of Aggregate	Main Lab



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Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Asphalt	AASHTO T166 Method A	Bulk Specific Gravity of Compacted Asphalt Mixtures Using Saturated Surface-Dry Specimens, Method A- Suspension	Main Lab
Asphalt	AASHTO T275	Standard Method of Test for Bulk Specific Gravity (GMB) of Compacted Asphalt Mixtures Using Parafin-Coated Specimens	Main Lab
Asphalt	AASHTO T283-14 (2018)	Standard Method of Test for Resistance of Compacted Asphalt Mixtures to Moisture - Induced Damage	Main Lab
Asphalt	ASHTO T312-19	Sample Preparation & Density of Specimen using Gyratory Compactor	Main Lab
Asphalt	ASTM D5/D5M-20	Standard Test Method for Penetration of Bituminous Materials	Main Lab
Asphalt	ASTM D6/D6M-95 (2018)	Standard Test Method for Loss on Heating of Oil and Asphaltic Compounds	Main Lab
Asphalt	ASTM D36/D36M-14 (2020)	Standard Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus)	Main Lab
Asphalt	ASTM D70/D70M-21	Standard test method for Density of semi solid Asphalt Binder (Pycnometer method)	Main Lab
Asphalt	ASTM D88/D88M-07 (2019)e1	Standard Test Method for Saybolt Viscosity	Main Lab
Asphalt	ASTM D92-18	Standard Test method for Flash and Fire Points by Cleveland Open Cup tester	Main Lab
Asphalt	ASTM D113-17	Standard Test Method for Ductility of Bituminous Materials	Main Lab
Asphalt	ASTM D140/D140M-16	Standard Practice for Sampling Bituminous Materials	Main Lab
Asphalt	ASTM D979/D979M-22	Standard Practice for Sampling Bituminous Paving Mixtures	Main Lab
Asphalt	ASTM D1188/D1188M	Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Coated Samples	Main Lab
Asphalt	ASTM D1754/D1754M-20	Standard Test Method for Effects of Heat and Air on Asphaltic Materials (Thin-Film Oven Test)	Main Lab
Asphalt	ASTM D2041/D2041M-19	Standard Test Method for Theoretical Maximum specific gravity and density of Bituminous Paving Mixtures	Main Lab BMJV Site Lab
Asphalt	ASTM D2042-22	Solubility of Asphalt Materials in Trichloroethylene	Main Lab
Asphalt	ASTM D2170/D2170M-18	Standard Test Method for Kinematic Viscosity of Asphalts (Bitumens)	Main Lab
Asphalt	ASTM D2172/D2172M-17e1	Standard Test Methods for Quantitative extraction of Asphalt Binder from Asphalt Mixtures	Main Lab BMJV Site Lab
Asphalt	ASTM D2726/D2726M-21		Main Lab



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		Standard test method for Bulk specific gravity and density of non-absorptive compacted asphalt mixtures	BMJV Site Lab
Asphalt	ASTM D2872-22	Standard practice for Accelerated Aging of Asphalt Binder Using Pressurized Aging Vessel (PAV), Clause 10.14 Vacuum degas the aged sample	Main Lab
Asphalt	ASTM D2950/D2950M	Density of Bituminous Concrete in Place by Nuclear Methods	Main Lab
Asphalt	ASTM D2995-14	Standard Practice for Estimating Application Rate and Residual Application Rate of Bituminous Distributors	Main Lab
Asphalt	ASTM D3203/D3203M-22	Standard Test Method for Percent Air Voids in Compacted Asphalt Mixtures	Main Lab
Asphalt	ASTM D3549/D3549M-18	Standard test method for Thickness or height of compacted asphalt mixture specimens	Main Lab BMJV Site Lab
Asphalt	ASTM D4402/D4402M-15(2022)	Standard Test Method for Viscosity Determination of Asphalt at Elevated Temperatures Using a Rotational Viscometer (Met hot Valid in Range 93°C to 150°C)	Main Lab
Asphalt	ASTM D4867/4867M-09 (2014)	Effect of Moisture on Asphalt Concrete Paving	Main Lab
Asphalt	ASTM D5361/D5361M-16	Standard Practice for Sampling Compacted Bituminous Mixtures for Laboratory Testing (Asphalt Core)	Main Lab
Asphalt	ASTM D5444-15	Standard Test Method for Mechanical Sieve Analysis of Extracted Aggregate	Main Lab BMJV Site Lab
Asphalt	ASTM D5581-21 ^{e1}	Standard Test Method for Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus (6 inch- Diameter Specimen)	Main Lab
Asphalt	ASTM D6521-22	Standard practice for Accelerated Aging of Asphalt Binder Using Pressurized Aging Vessel (PAV)	Main Lab
Asphalt	ASTM D6648-08(2016)	Standard Test Method for Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	Main Lab
Asphalt	ASTM D6926-20	Standard Practice for Preparation of Asphalt Mixture specimens using Marshall apparatus	Main Lab BMJV Site Lab
Asphalt	ASTM D6927-22 Method B	Standard Test Method for Marshall stability and flow of asphalt mixtures	Main Lab BMJV Site Lab
Asphalt	ASTM D6930-19	Standard Test Method for Settlement and Storage Stability of Emulsified Asphalts	Main Lab



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Asphalt	ASTM D 6931-17	Standard Test Method For Indirect Tensile (IDT) Strength of Asphalt Mixtures	Main Lab
Asphalt	ASTM D6933-22	Standard Test Method for Oversized Particles in Emulsified Asphalts (Sieve Test)	Main Lab
Asphalt	ASTM D6935-22	Standard Test Method for Determining Cement Mixing of Emulsified Asphalt	Main Lab
Asphalt	ASTM D6997-12(2020)	Standard Test Method for Distillation of Emulsified Asphalt	Main Lab
Asphalt	ASTM D7173-20	Standard Practice for Determining the Separation Tendency of Polymer from Polymer Modified Asphalt	Main Lab
Asphalt	ASTM D7175-15	Standard Test Method for Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer	Main Lab
Asphalt	ASTM D7402-09(2017)	Standard Practice for Identifying Cationic Emulsified Asphalts	Main Lab
Asphalt	ASTM D7405-20	Multiple Stress Creep & Recovery [MSCR] of Asphalt Binder Using Dynamic Shear Rheometer	Main Lab
Asphalt	ASTM D7496-18	Standard Test Method for Viscosity of Emulsified Asphalt by Saybolt Furol Viscometer	Main Lab
Asphalt	ASTM E1703/E1703M-10 (Reapproved 2015)	Standard Test Method for Measuring Rut-Depth of Pavement Surfaces Using a Straightedge	Main Lab BMJV Site Lab
Asphalt	ASTM E1710	Standard test method for measurement of retroreflective pavement marking materials with CEN-Prescribed geometry using a portable retroreflectometer	MainLab/Site
Asphalt	BS 3262:1989-1-AP J	Measurement of SKID Resistance	Main Lab
Asphalt	BS EN 1426:2015	Bitumen and bituminous binders - Determination of needle penetration	Main Lab
Asphalt	BS EN 1427:2015	Bitumen and bituminous binders - Determination of the Softening point - Ring and Ball Method	Main Lab
Asphalt	BS EN 12697-1:2012	Bituminous mixtures — Test Methods for hot mix asphalt (Soluble Binder Content)	Main Lab
Asphalt	BS EN 12697-2:2015	Bituminous mixtures — Test Methods for hot mix asphalt - Determination of particle size distribution	Main Lab
Asphalt	BS EN 12697-5:2009	Bituminous mixtures -Test methods for hot mix asphalt Determination of Maximum Density	Main Lab
Asphalt	BS EN 12697-6: 2012	Bituminous mixtures — Test methods for hot mix asphalt -Determination of Bulk Density of Bituminous Material	Main Lab



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Asphalt	BS EN 12697-8:2003	Bituminous mixtures — Test methods for hot mix asphalt -Determination of Voids Characteristics of Bituminous Specimens	Main Lab
Asphalt	BS EN 12697-13:2000	Bituminous mixtures — Test methods for hot mix asphalt - Temperature Measurement	Main Lab
Asphalt	BS EN 12697-27:2001	Bituminous mixtures — Test methods for hot mix asphalt - Sampling	Main Lab
Asphalt	BS EN 12697-28:2001	Bituminous mixtures — Test methods for hot mix asphalt -Preparation of Samples for Determining Binder Content, Water Content & Grading	Main Lab
Asphalt	BS EN 12697-29:2002	Bituminous mixtures - Test methods for hot mix asphalt -Determination of dimensions of Bituminous Specimens	Main Lab
Asphalt	BS EN 12697-30:2012	Bituminous mixtures - Test methods for hot mix asphalt - Specimen Preparation By Impact Compactor	Main Lab
Asphalt	BS EN 12697-34:2012	Bituminous mixtures - Test methods for hot mix asphalt - Marshall Test	Main Lab
Asphalt	BS EN 12697-35:2016	Bituminous mixtures-Test methods for hot mix asphalt Laboratory Mixing	Main Lab
Asphalt	BS EN 12697-36:2003	Bituminous mixtures - Test methods for hot mix asphalt Determination of the thickness of a bituminous pavement (Specimen)	Main Lab
Cement	ASTM C183/C183M	Method of Sampling Cement	Main Lab
Cement	ASTM C187-16	Standard Test Method for Amount of Water Required for Normal Consistency of Hydraulic Cement Paste	Main Lab
Cement	ASTM C191-19	Setting Time By Vicat Needle	Main Lab
Cement	ASTM C204-18e1	Standard Test Methods for Fineness of Hydraulic Cement by Air-Permeability Apparatus	Main Lab
Cement	ASTM C430-17	Fineness of Microsilica	Main Lab
Cement	ASTM C1240-20	Standard Specification for Silica Fume Used in Cementitious Mixtures – Clause 11: Moisture Content and Loss on Ignition	Main Lab
Cement	BS EN 196-1:2016	Determination of strength of cement	Main Lab
Cement	BS EN 196-3, Clause 6:2016	Determination of Setting Time of Cement	Main Lab
Cement	BS EN 196-3, Clause 7:2016	Determination of soundness of cement	Main Lab
Cement	BS EN 196-6:2018	Determination of Fineness of Cement	Main Lab
Cement	BS EN 196-7:2007	Taking & Preparation of Cement	Main Lab



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Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Cement	BS EN 15167-1:2006	Ground Granulated Blast Furnace Slag for Use in Concrete, Mortar and Grout - Part 1: Definitions, Specifications and Conformity Criteria	Main Lab
Cement	BS EN 15167-2:2006 (Clause 5.4)	Ground Granulated Blast Furnace Slag for Use in Concrete, Mortar and Grout - Part 2: Conformity Evaluation Cl 5.4 Audit Testing at Depot	Main Lab
Chemical	ASTM C494/C494M Clause 18.2	Chemical Admixtures for Concrete - Residue by Oven Drying (Liquid Admixtures)	Main Lab
Chemical	ASTM C494/C494M Clause 18.4 / ASTM D891-18 [Test Method B]	Chemical Admixtures for Concrete - Relative Density (Specific Gravity) (Liquid Admixtures)	Main Lab
Chemical Analysis of Aggregate	ASTM C40/C40M-20	Organic Impurities in Fine Aggregates for Concrete	Main Lab
Chemical Analysis of Aggregates	BS EN 1744-1 Clause 7:2009+A1:2012	Determination of water soluble chloride salts using Volhard's Method of Aggregate	Main Lab
Chemical Analysis of Aggregates	BS EN 1744-1 Clause 12:2009+A1:2012	Tests for chemical properties of aggregates — Determination of acid soluble sulphate content of Aggregate	Main Lab
Chemical Analysis of Aggregates	BS EN 1744-5:2006	Tests for chemical properties of aggregates — Determination of acid soluble chloride content	Main Lab
Chemical Analysis of Cement	BS EN 196-2 Cl. 4.4.1:2013	Method of testing cement-Chemical analysis of cement-Loss on Ignition	Main Lab
Chemical Analysis of Cement	BS EN 196-2 Cl. 4.4.2:2013	Method of testing cement-Chemical analysis of cement-Sulphate Content	Main Lab
Chemical Analysis of Cement	BS EN 196-2 Cl. 4.4.3:2013	Method of testing cement- Chemical analysis of cement- Determination of residue insoluble in hydrochloric acid and sodium carbonate	Main Lab
Chemical Analysis of Cement	BS EN 196-2 Cl. 4.5.5:2013	Method of testing cement- Chemical analysis of cement- Decomposition with hydrochloric acid and ammonium chloride and precipitation of silica (alternative method)	Main Lab
Chemical Analysis of Cement	BS EN 196-2 Cl. 4.5.6:2013	Method of testing cement- Chemical analysis of cement- Determination of pure silica	Main Lab
Chemical Analysis of Cement	BS EN 196-2 Cl. 4.5.9:2013	Total Silica in Cement	Main Lab



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Chemical Analysis of Cement	BS EN 196-2 Cl. 4.5.10:2013	Method of testing cement- Chemical analysis of cement- Determination of iron (III) oxide	Main Lab
Chemical Analysis of Cement	BS EN 196-2 Cl. 4.5.11:2013	Method of testing cement- Chemical analysis of cement- Determination of aluminum oxide	Main Lab
Chemical Analysis of Cement	BS EN 196-2 Cl. 4.5.14: 2013	Method of testing cement- Chemical analysis of cement- Determination of calcium oxide	Main Lab
Chemical Analysis of Cement	BS EN 196-2 Cl. 4.5.15:2013	Method of testing cement- Chemical analysis of cement- Determination of magnesium oxide	Main Lab
Chemical Analysis of Cement	BS EN 196-2 Cl. 4.5.16:2013	Method of testing cement- Chemical analysis of cement- Determination of chloride	Main Lab
Chemical Analysis of Cement	BS EN 196-2 Cl. 4.5.19:2013	Method of testing cement- Chemical analysis of cement- Determination of alkali	Main Lab
Chemical Analysis of Concrete	BS 1881-124 (Clauses 12.1 and 12.2):2015+A1:2021	Testing concrete - Part 124: Methods for Analysis of Hardened Concrete Clause 12.1 Determination of Chloride Content Clause 12.2 Determination of Sulphate	Main Lab
Chemical Analysis of Soil	BS 1377-3: Clause 4:2018+A1:2021	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro- chemical testing. Determination of organic matter contents	Main Lab
Chemical Analysis of Soil	BS 1377-3: Clauses 7.3 & 7.9:2018+A1:2021	Methods of test for soils for civil engineering purposes Part 3: Chemical and electro- chemical testing. Determination of sulphate content of soil (Acid & Water soluble)	Main Lab
Chemical Analysis of Soil	BS 1377-3 Clause 8:2018+A1:2021	Method of test for soils for civil engineering purposes Part 3: Chemical and electro- chemical testing. Determination of carbonate content	Main Lab
Chemical Analysis of Soil	BS 1377-3 Clauses 9.2 & 9.3:2018+A1:2021	Methods of test for soils for civil engineering purposes. Part 3: chemical and electro- chemical testing. Determination of chloride content of soil (Acid & Water soluble)	Main Lab
Chemical Analysis of Soil	BS 1377-3 Clause 12:2018+A1:2021	Methods of test for soils for civil engineering purposes. Part 3: Chemical and electro- chemical testing. Determination of pH Value	Main Lab
Concrete	ASTM C31/C31M-22	Standard Practice for Making and Curing Concrete Test Specimens in the Field	Main Lab BMJV Site Lab
Concrete	ASTM C39/C39M-21	Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens	Main Lab BMJV Site Lab
Concrete	ASTM C42/C42M-20	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	Main Lab

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Concrete	ASTM C78/C78M-22	Standard Test Method for Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	Main Lab
			BMJV Site Lab
Concrete	ASTM C109/C109M-21	Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50- mm] Cube Specimens)	Main Lab
Concrete	ASTM C138/C138M-17a	Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete	Main Lab
			BMJV Site Lab
Concrete	ASTM C143/C143M-20	Standard Test Method for Slump of Hydraulic-Cement Concrete	Main Lab
Concrete	ASTM C172/C172M-17	Standard Practice for Sampling Freshly Mixed Concrete	Main Lab
			BMJV Site Lab
Concrete	ASTM C192/C192M-19	Making and Curing Concrete Test Specimens in the Laboratory	Main Lab
Concrete	ASTM C231/C231M-22 Clause 8.3	Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method	Main Lab
			BMJV Site Lab
Concrete	ASTM C232/C232M-21	Standard Test Method for Bleeding of Concrete	Main Lab
			BMJV Site Lab
Concrete	ASTM C305-20	Standard Practice for Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency (Clause 8 Procedure for Mixing Mortars)	Main Lab
Concrete	ASTM C348-21	Standard Test Method for Flexural Strength of Hydraulic-Cement Mortars	Main Lab
Concrete	ASTM C349-18	Standard Test Method for Compressive Strength of Hydraulic-Cement Mortars (Using Portions of Prisms Broken in Flexure)	Main Lab
Concrete	ASTM C403/C403M-16	Standard Test Method for Time of Setting of Concrete Mixtures by Penetration Resistance	Main Lab
			BMJV Site Lab
Concrete	ASTM C490/C490M-21	Standard Practice for Use of Apparatus for the Determination of Length Change of Hardened Cement Paste, Mortar, and Concrete	Main Lab
Concrete	ASTM C496/496M-17	Splitting tensile strength of cylindrical concrete specimens	Main Lab
Concrete	ASTM C579-18	Standard Test Methods for Compressive Strength of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing and Polymer Concretes	Main Lab
Concrete	ASTM C617/C617M-15	Capping Cylindrical Concrete Specimens	Main Lab
Concrete	ASTM C642-21	Standard Test method for Density, Absorption, and Voids of Hardened Concrete	Main Lab
Concrete	ASTM C900-19	Standard Test Method for Pullout Strength of Hardened Concrete	Main Lab



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Concrete	ASTM C939/C939M	Standard Test Method for Flow of Grout for Preplaced-Aggregate Concrete (Flow Cone Method)	Main Lab
Concrete	ASTM C940-22	Standard Test Method for Expansion and Bleeding of Freshly Mixed Grouts for Preplaced-Aggregate Concrete in the Laboratory	Main Lab
Concrete	ASTM C1064/C1064M-17	Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete	Main Lab BMJV Site Lab
Concrete	ASTM C1140/C1140M-11(2019)	Standard Practice for Preparing and Testing Specimens from Shotcrete Test Panels LIMITED TO TESTING OF CORES ONLY NO CUBES	Main Lab
Concrete	ASTM C1202-22 ^{e1}	Standard Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	Main Lab
Concrete	ASTM C1231/C1231M-15	Standard Practice for Use of Unbonded Caps in Determination of Compressive Strength of Hardened Cylindrical Concrete Specimens	Main Lab BMJV Site Lab
Concrete	ASTM C1437-20	Standard Test Method for Flow of Hydraulic Cement Mortar	Main Lab
Concrete	ASTM C1611/C1611M-21	Standard Test Method for Slump Flow of Self-Consolidating Concrete	Main Lab
Concrete	ASTM C1758/C1758M-15	Standard Practice for Fabricating Test Specimens with Self-Consolidating Concrete	Main Lab
Concrete	BS 1881-122:2011+A1:2020	Testing concrete. Method for determination of water absorption	Main Lab
Concrete	BS 1881-208:1996	Testing concrete. Recommendations for the determination of the initial surface absorption of concrete	Main Lab
Concrete	BS EN 445:2007	Grout for prestressing tendons-Wick-Induced Test (Bleeding & Volume Change)	Main Lab
Concrete	BS EN 445:2007	Fluidity test	Main Lab
Concrete	BS EN 12350-1:2019	Testing fresh concrete. Part 1: Sampling and common apparatus	Main Lab BMJV Site Lab
Concrete	BS EN 12350-2:2019	Testing fresh concrete. Part 2: Slump-test	Main Lab
Concrete	BS EN 12350-5:2019	Testing Fresh Concrete. Part 5: Flow table test	Main Lab
Concrete	BS EN 12350-6:2019	Testing fresh concrete. Density	Main Lab
Concrete	BS EN 12350-7:2019	Air content of fresh concrete - Pressure gauge method	Main Lab
Concrete	BS EN 12390-1:2021	Testing hardened concrete. Part 1: Shape, dimensions and other requirements for specimens and moulds	Main Lab BMJV Site Lab
Concrete	BS EN 12390-2:2019	Testing hardened concrete. Part 2: Making and curing specimens for strength tests	Main Lab BMJV Site Lab

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Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Concrete	BS EN 12390-3:2019	Testing hardened concrete. Part 3: Compressive strength of test specimens	Main Lab BMJV Site Lab
Concrete	BS EN 12390-5:2019	Testing Hardened Concrete Part 5: Flexural Strength of Test Specimens	Main Lab BMJV Site Lab
Concrete	BS EN 12390-6:2009	Tensile splitting strength of test specimens	Main Lab
Concrete	BS EN 12390-7:2019	Testing hardened concrete. Part 7: Density of hardened concrete	Main Lab BMJV SL
Concrete	BS EN 12390-8:2019	Testing hardened concrete. Depth of penetration of water under pressure	Main Lab BMJV SL
Concrete	BS EN 12504-1:2019	Testing concrete in structures Part 1: Cored specimens. Taking, examining and testing in compression	Main Lab
Concrete	DIN 1048-5	Testing concrete Testing of hardened concrete (specimens prepared in mould)	Main Lab
Concrete	NT BUILD 492 - 1999-11	Concrete, Mortar and Cement Based repair materials Chloride Migration Coefficient from non-steady-state Migration experiments	Main Lab
Environmental Tests	APHA/AWWA/ SMEWW 24th Edition 2130 B	Standard Methods for the Examination of Water and Wastewater (Turbidity)	Main Lab
Environmental Tests	APHA/AWWA/ SMEWW 24th Edition 2320 B	Bicarbonate Alkalinity	Main Lab
Environmental Tests	APHA/AWWA/ SMEWW 24th Edition 2320 B	Carbonate Alkalinity	Main Lab
Environmental Tests	APHA/AWWA/ SMEWW 24th Edition 2320 B	Phenolphthalein Alkalinity	Main Lab
Environmental Tests	APHA/AWWA 3120 B SMEWW 24th Edition	Determination of Elements in Sediments, Sludge and Soil by ICP-OES Method (Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Hg, Pb, Li, Mg, Mn, Mo, Ni, P, Se, Sr, Ti, Sn, Ti, Sn, Ti, V, Zn, Al, Ba, B, K, Si, Ag, Na)	Main Lab
Environmental Tests	APHA/AWWA/ SMEWW 24th Edition 3120 B	Determination of Elements in Water by ICP- OES Method (Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Hg, Pb, Li, Mg, Mn, Mo, Ni, P, Se, Sr, Ti, Sn, Ti, Sn, Ti, V, Zn, Al, Ba, B, K, Si, Ag, Na)	Main Lab
Environmental Tests	APHA/AWWA 3500 Cr B / HACH 8023 SMEWW 24th Edition	Determination of Hexavalent Chromium in Water	Main Lab
Environmental Tests	APHA/AWWA 4500 NO2-B / HACH 8507 SMEWW 24th Edition	Determination of Nitrite In water	Main Lab
Environmental Tests	APHA/AWWA 4500 NO3 E / HACH 8039 SMEWW 24th Edition	Determination of Nitrate In water	Main Lab



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Environmental Tests	APH/AWWA 4500-P-E / HACH LCK348 SMEWW 24th Edition	Determination of Total Phosphorus In water	Main Lab
Environmental Tests	APHA/AWWA 4500 S2-D / HACH 8131 SMEWW 24th Edition	Determination of Sulfide in Water	Main Lab
Environmental Tests	APHA/AWWA/ SMEWW 24th Edition 5310 B	Determination of Total Organic Carbon in Water by High-Temperature Combustion Method	Main Lab
Environmental Tests	APHA/AWWA/ SMEWW 24th Edition 6200 B	Volatile Organic Compounds In Water and Soil / Purge and Trap Capillary-Column Gas Chromatographic/Mass Spectrometric Method	Main Lab
Environmental Tests	APHA/AWWA/ SMEWW 24th Edition 9223 B IDEXX method	Fecal Coliform	Main Lab
Environmental Tests	ASTM D5176-20	Standard Test Method for Total Chemically Bound Nitrogen in Water by Pyrolysis and Chemiluminescence Detection	Main Lab
Environmental Tests	BS 6068-2.37:1990	Water Quality, Part 2: Physical, chemical and biochemical methods - Section 2.37 Determination of Chloride	Main Lab
Environmental Tests	BS 6068-2.50:1995	Water Quality - Determination of pH	Main Lab
Environmental Tests	HACH 8155	Determination of Ammonia Nitrogen (NH ₃ -N) In water, Salicylate Method	Main Lab
Environmental Tests	USEPA Method 200.7-1994	Determination of Metals and Trace Elements in Water, Wastewater and Solid Waste by ICP-OES Method (Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Hg, Pb, Li, Mg, Mn, Mo, Ni, P, Se, Sr, Tl, Sn, Ti, Sn, Ti, V, Zn, Al, Ba, B, K, Si, Ag, Na)	Main Lab
Environmental Tests	USEPA Method 6010D- 2014 /SW-846	Determination of Trace Elements in Aqueous Solutions by ICP-OES Method (Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Hg, Pb, Li, Mg, Mn, Mo, Ni, P, Se, Sr, Tl, Sn, Ti, Sn, Ti, V, Zn, Al, Ba, B, K, Si, Ag, Na)	Main Lab
Environmental Tests	USEPA Method 8015B- 1996 /In-house method / GCMS	Diesel Range Organics (DRO) in Water and Soil	Main Lab
Environmental Tests	USEPA Method 8015B- 1996 /In-house method / GCMS	Gasoline Range Organic (GRO) In Water and Soil	Main Lab
Environmental Tests	USEPA Method 8260C – 2006	Volatile Organic Compounds By Gas Chromatography / Mass Spectrometry (GCMS) / SW-846	Main Lab



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Environmental Tests	USEPA Method 8270D – 2014/ SW-846	Semivolatile Organic Compounds By Gas Chromatography/Mass Spectrometry (For Solid Waste, Soil and Water)	Main Lab
Environmental Tests	USEPA 9060-99 /SW-846	Determination of Total Organic Carbon (TOC) in Soil	Main Lab
Environmental Tests	USEPA Method 9060A-2004	Determination of Total Organic Carbon (Groundwater, surface and saline waters)	Main Lab
Environmental Tests - Microbiological	APHA/AWWA/SMEWW 24th Edition 9223B	Total coliform and E Coli using Enzyme Substrate Test	Main Lab
Environmental Tests - Water & Wastewater	APHA/AWWA/SMEWW 24th Edition 2320B	Alkalinity in Water	Main Lab
Environmental Tests - Water & Wastewater	APHA/AWWA/SMEWW 24th Edition 2340 C	Total Hardness of Water	Main Lab
Environmental Tests - Water & Wastewater	APHA/AWWA/SMEWW 24th Edition 2510B	Conductivity by Laboratory Method	Main Lab
Environmental Tests - Water & Wastewater	APHA/AWWA/SMEWW 24th Edition 2540B	Total Solids in Water	Main Lab
Environmental Tests - Water & Wastewater	APHA/AWWA/ SMEWW 24th Edition 2540-C	Total Dissolved Solids in Water	Main Lab
Environmental Tests - Water & Wastewater	APHA/AWWA/SMEWW 24th Edition 2540-D	Total Suspended Solids in Water	Main Lab
Environmental Tests - Water & Wastewater	APHA/AWWA/SMEWW 24th Edition 3500 Ca B	Calcium in Water	Main Lab
Environmental Tests - Water & Wastewater	APHA/AWWA/SMEWW 24th Edition 3500 Mg B	Magnesium in Water	Main Lab
Environmental Tests - Water & Wastewater	APHA/AWWA/SMEWW 24th Edition 4500-CIB	Chloride Content of Water	Main Lab
Environmental Tests - Water & Wastewater	APHA/AWWA 4500-CI G / HACH 8021 SMEWW 24th Edition	Free Chlorine in Water (DPD Colorimetric Method)	Main Lab
Environmental Tests - Water & Wastewater	APHA/AWWA 4500-CI G / HACH 8167 SMEWW 24th Edition	Total Chlorine in Water	Main Lab
Environmental Tests - Water & Wastewater	APHA/AWWA 4500 F D / HACH 8029 SMEWW 24th Edition	Fluoride Content of Water	Main Lab

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Environmental Tests - Water & Wastewater	APHA/AWWA/SMEWW 24th Edition 4500H+B	pH Value of Water by Electrometric Method	Main Lab
Environmental Tests - Water & Wastewater	APHA/AWWA/ SMEWW 24th Edition 4500 O G,	Dissolved Oxygen of Water using Membrane Electrode	Main Lab
Environmental Tests - Water & Wastewater	APHA/AWWA 4500 SiO ₂ C / HACH 8185 SMEWW 24th Edition	Silica	Main Lab
Environmental Tests - Water & Wastewater	APHA/AWWA/SMEWW 24th Edition 4500SO ₄ C	Sulphate of Water	Main Lab
Environmental Tests - Water & Wastewater	APHA/AWWA/ SMEWW 24th Edition 5210 B	Biological Oxygen Demand (BOD) of Water	Main Lab
Environmental Tests - Water & Wastewater	APHA/AWWA 5220 D / HACH LCI500 SMEWW 24th Edition	Chemical Oxygen Demand of Water	Main Lab
Environmental Tests - Water & Wastewater	APHA/AWWA/SMEWW 24th Edition 5520 D	Oil & Grease	Main Lab
Geotechnical	ASTM D1195/ D1195M	Standard Test Method for Repetitive Static Plate Load Tests of Soils and Flexible Pavement Components, for Use in Evaluation and Design of Airport and Highway Pavements	Main Lab/Site
Geotechnical	ASTM D1196/D 1196M-21	Standard Test Method for Nonrepetitive Static Plate load tests of Soils and Flexible Pavement Components, for Use in Evaluation and Design of Airport and Highway Pavements	Main Lab
Geotechnical	ASTM D3080-11 Excluding CI 8 & 9.8 Consolidation	Direct Shear Test of Soils Under Consolidated Drained Conditions	Main Lab
Geotechnical	ASTM D4429-09a	Standard Test Method for CBR (California Bearing Ratio) of Soils in Place	Main Lab
Geotechnical	ASTM D4543-19	Preparation Rock Core Specimens to Dimensional and Shape Tolerances	Main Lab
Geotechnical	ASTM D5731-16	Standard Test Method for Determination of the Point Load Strength Index of Rock and Application to Rock Strength Classifications	Main Lab
Geotechnical	ASTM D5882-16	Standard Test Method for Low Strain Impact Integrity Testing of Deep Foundations	Main lab
Geotechnical	ASTM D6760-16	Standard test Method for Integrity Testing of Concrete Deep Foundations By Ultrasonic Cross hole Testing	Main lab



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Geotechnical	ASTM D6951/D6951-18	Standard Tets Method for Use of The Dynamic Cone Penetrometer in Shallow Pavement Application	MainLab
Geotechnical	ASTM D7012-14e1	Test Methods for Compressive Strength & Elastic Moduli of Intact Rock Core Specimens under Varying States of Stress and Temperatures Method: A & D	Main Lab
Geotechnical	ASTM D7012-14e1 Method C	Uniaxial Compressive Strength of Intact Rock Core Specimens under Varying States of Stress and Temperatures	Main Lab
Geotechnical	ASTM D8232-18	Standard Test Procedure for Measuring the Inclination of Deep Foundations	Main lab
Geotechnical	ASTM G57-20	Electrical Resistivity Test	Main Lab
Geotechnical	BRE DIGEST365-03	Building Research Establishment - Soil Infiltration Rate	Main Lab
Geotechnical	BS 1377-7 :1990	Soils for engineering purposes Part 7: Shear strength test (total stress)	Main Lab
Geotechnical	BS 1377-9 Sec 3.3:1990	Methods of test for Soils for civil engineering purposes Part 9: In-situ tests, Sec 3.3 Standard Penetration Test (SPT)	Main Lab
Geotechnical	BS 1377-9 Clause 4.1: 1990	Soils for engineering purposes Part 9: In-situ tests	Main Lab
Geotechnical	BS 1377-9 Clause 4.3: 1990	Soils for engineering purposes Part 9: In-situ Tests. Determination of In- situ California Bearing Ratio (CBR)	Main Lab
Geotechnical	BS 5930 Section 3: 2015+A1:2020 Clause 18 (18.1, 18.2, 18.3)	Code of practice for site investigations, Section 3: Field Investigation, Clause 18: Frequency of sampling and testing	Main Lab
Geotechnical	BS 5930:2015+A1:2020 Section 4 Clause 24 (24.1, 24.2, 24.3, 24.11.2, 24.11.3)	Code of practice for site investigations Section 4: Field Investigation Clause24: Excavations & boreholes	Main Lab
Geotechnical	BS 5930 2015+A1:2020 Section 4 Clause 25 (25.1, 25.4, 25.7 and 25.11)	Code of practice for site investigations Section 3: Exploratory Holes, Clause 25: Sampling at the ground	Main Lab
Geotechnical	BS 5930 2015+A1:2020 Section 4 Clause 26.4 & 26.523 (26.4.1, 26.4.2, 26.4.3, 26.5)	Code of practice for site investigations Section 4: Field Investigation Clause 26.4: Ground water	Main Lab
Geotechnical	BS 5930:2015+A1:2020 Section 4 Clause 28 (28.6 only)	Code of practice for site investigations Section 4: Field Tests, Clause 28: Analysis of pumping tests	Main Lab
Geotechnical	BS 5930:2015+A1:2020 Section 4 Clause 29 (29.1, 29.2, 29.3 and 29.6)	Code of practice for site investigations Section 4: Field Tests, Clause 29: Field density	Main Lab
Geotechnical	BS 5930:2015+A1:2020 Section 6	Code of practice for site investigations Section 6: Description of soil	Main Lab



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Geotechnical	BS 5930:2015+A1:2020 Section 7 Clause 37, 41, 46, 48	Code of practice for site investigations Section 7: Field Tests, Clause 37: General, Clause 41: SPT, Clause 46: Bearing Tests, Clause 48: Geohydraulic Testing	Main Lab
Geotechnical	BS 5930:2015+A1:2020 Section 7 Clause 38 (38.2)	Code of practice for site investigations Section 7: Field Tests Clause 38: Probing & Dynamic Cone Penetrometer	Main Lab
Geotechnical	BS 5930:2015+A1:2020 Section 7 Clause 41, BS EN 1997-2:2007 (4.6)	Code of Practice for Site Investigations. Section 7: Field Test, Clause 41-Standard Penetration Test	Main Lab
Geotechnical	BS 5930:2015+A1:2020 Section 7 CL. 44 (44.2 & 44.5)	Code of practice for site investigations Section 7: Field Density Tests	Main Lab
Geotechnical	BS 5930:2015+A1:2020 Section 7 Clause 48	Code of practice for site investigations Section 7: Field Tests, Clause 48: Pumping tests	Main Lab
Geotechnical	BS 5930:2015+A1:2020 Section 9	Code of practice for site investigations, Section 9: Laboratory tests on samples	Main Lab
Geotechnical	BS 5930:2015+A1:2020 Section 10	Code of practice for site investigations, Section 10: Reports and interpretation	Main Lab
Geotechnical	BS 5930:2015+A1:2020 Clause 48	Code of practice for site investigations Clause 48: Geo hydraulic testing (Limited to Unconfined Aquifers Only, Steady State Conditions)	Main Lab
Geotechnical	BS EN 12715:2000 Clause 9.3.6.3, 9.3.6.4, 9.3.6.5	Execution of Special geotechnical Work – Grouting Clause 9.3.6.3, 9.3.6.4, 9.3.6.5 Grout	Main Lab
Geotechnical	BS EN ISO 22282-2:2012 Clause 6 & Clause 7.1	Geotechnical investigation and testing - Geohydraulic testing Part 2: Water permeability tests in a borehole using open systems, CL 6 Test procedure, CL 7.1 Constant flow rate test method, LIMITED TO UNCONFINED AQUIFERS ONLY, STEADY STATE CONDITIONS	Main Lab
Geotechnical	BS EN 22282-3:2012 CL 5	Geotechnical investigation and testing Geohydraulic testing Part 3: Water pressure tests in rock 5 [Packer] Test procedure	Main Lab
Geotechnical	BS EN ISO 22282-4:2021	Geotechnical investigation and testing — Geohydraulic testing Part 4: Pumping tests	Main Lab
Masonry Blocks and Paving Units	ASTM C140/C140M-22a	Water Absorption Test of Paving Blocks/ Water Absorption of Masonry Units	Main Lab
Masonry Blocks and Paving Units	ASTM C936-21a	Water Absorption Test of Paving Blocks/ Water Absorption of Masonry Units	Main Lab

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Masonry Blocks and Paving Units	ASTM C1378-20	Standard Test Method for Determination of Resistance to Staining	Main Lab
Masonry Blocks and Paving Units	BS 2484:1985	Impact resistance test of cable tiles	Main Lab
Masonry Blocks and Paving Units	BS 6073-1 Appendix A:1981	Measurement of dimension of masonry blocks	Main Lab
Masonry Blocks and Paving Units	BS 6073-1 Appendix B:1981	Compressive strength of concrete masonry blocks	Main Lab
Masonry Blocks and Paving Units	BS 6073-2:2008	Guide for Specifying Precast Concrete Masonry Units	Main Lab
Masonry Blocks and Paving Units	BS 6717:2001 Annex B	Measurement of dimension of paving blocks	Main Lab
Masonry Blocks and Paving Units	BS 6717-1:2001 Annex E	Tensile Splitting Strength Of Paving Blocks	Main Lab
Masonry Blocks and Paving Units	BS EN 771- 1:2011+A1:2015	Water Absorption for Clay Masonry Blocks	Main Lab
Masonry Blocks and Paving Units	BS EN 771-1 & BS EN 772-1: 2011+A1:2015	Compressive strength of clay and concrete masonry blocks	Main Lab
Masonry Blocks and Paving Units	BS EN 771- 3:2011+A1:2015, BS EN 772-11:2011	Water Absorption for Aggregate Concrete Masonry Units due to Capillary Action	Main Lab
Masonry Blocks and Paving Units	BS EN 772-11:2011	Methods of test for masonry units Part 11: Determination of water absorption of aggregate concrete, autoclaved aerated concrete, manufactured stone and natural stone masonry units due to capillary action and the initial rate of water absorption of clay masonry units	Main Lab
Masonry Blocks and Paving Units	BS EN 772-13:2000	Determination of Net and Gross Dry Density of Masonary Units	Main Lab
Masonry Blocks and Paving Units	BS EN 1338 Annex C:2003	Dimension of paving blocks	Main Lab
Masonry Blocks and Paving Units	BS EN 1338 Annex E:2003	Water absorption of paving blocks	Main Lab

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Masonry Blocks and Paving Units	BS EN 1338 Annex F:2003	Tensile splitting strength of paving blocks	Main Lab
Masonry Blocks and Paving Units	BS EN 1338 Annex I:2003	Unpolished slip resistance value of paving blocks	Main Lab
Masonry Blocks and Paving Units	BS EN 1339 Annex C:2003	Measurement of dimension of concrete flags	Main Lab
Masonry Blocks and Paving Units	BS EN 1339 Annex E:2003	Determination of water absorption of concrete flags	Main Lab
Masonry Blocks and Paving Units	BS EN 1339 Annex F:2003	Measurement of Bending strength & Breaking Load of concrete flags	Main Lab
Masonry Blocks and Paving Units	BS EN 1340 Annex C:2003	Measurement of Dimension of Kerbs	Main Lab
Masonry Blocks and Paving Units	BS EN 1340 Annex E:2003	Determination of Water Absorption of Kerbs	Main Lab
Masonry Blocks and Paving Units	BS EN 1340 Annex F:2003	Measurement of Bending Strength Kerbs	Main Lab
Masonry Blocks and Paving Units	BS EN 13748 Part 1 -Sec 5.2, 5.3, 5.4, 5.5 & 5.8: 2004	Dimensional Deviations, Breaking Load and Breaking Strength, and Water Absorption of Terrazzo Tiles	Main Lab
Non Destructive Testing	ASTM A956/A956M-17a	Standard Test Method for Leeb Hardness Testing of Steel Products	Main Lab
Non Destructive Testing	ASTM A1038-19	Standard Test Method for Portable Hardness Testing by the Ultrasonic Contact Impedance Method	Main Lab
Non Destructive Testing	ASTM C805/C805M-18	Rebound hammer test for concrete	Main Lab
Non Destructive Testing	ASTM D6132	Standard Test Method for Nondestructive Measurement of Dry Film Thickness of Applied Organic Coatings using an Ultrasonic Coating Thickness Gage	Main Lab/Site
Non Destructive Testing	ASTM D7091-13	Standard Practice for Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to Ferrous Metals and Nonmagnetic, nonconductive Coatings Applied to Non Ferrous Metals	Main Lab



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Non Destructive Testing	ASTM D7234-21	Pull-Off Adhesion Strength of Coatings on Concrete Using Portable Pull-Off Adhesion Testers	Main lab
Non Destructive Testing	ASTM E110-14	Standard Test Method for Rockwell and Brinell Hardness of Metallic Materials by Portable Hardness Testers	Main Lab
Non Destructive Testing	BS EN 12504-4:2021 & BS 1881-203:1986 CL. 9.3	Estimation of Depth of Concrete Surface Crack using Indirect Transmission	Main lab
Non Destructive Testing	BS 1881-204: 1998	Testing concrete Part 204: Recommendation on the use of electromagnetic cover meters. Concrete cover determination	Main Lab
Non Destructive Testing	BS EN 12504-2:2021	Testing concrete in structures Part 2: Non-destructive testing: Determination of rebound numbers. Rebound hammer test for concrete	Main Lab
Non Destructive Testing	BS EN 12504-4:2021	Testing concrete in structures Part 4: Non-destructive testing: Ultrasonic pulse velocity	Main Lab
Non Destructive Testing	BS ISO 4624-2016	Paints, Varnishes and Plastics Pull-Off Test for Adhesion	Main lab
Non Destructive Testing	Crack Width Gauge	Crack width gauge	Main Lab
Non Destructive Testing	Crack Microscope Measurement	Crack microscope measurement test	Main Lab
Soil / Aggregate	ASTM C702/C702M	Standard Practice for Reducing Samples of Aggregate to Testing Size	Main Lab
Soil	ASTM D854-14	Specific Gravity of Soil Solids By Water Displacement Method	Main Lab
Soil	ASTM D1140-17	Standard Test Methods for Determining the Amount of Material Finer than 75-µm (No. 200) Sieve in Soils by Washing	Main Lab BMJV Site Lab
Soil	ASTM D1556/d1556M	Standard Test Method for Density and Unit Weight of Soil in Place by Sand Cone Method	Main Lab
Soil	ASTM D1557-12:2021	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft ³ (2,700 kN-m/m ³))	Main Lab BMJV Site Lab
Soil	ASTM D1883-21	Standard Test Method for California Bearing Ratio (CBR) of Laboratory compacted Soils	Main Lab BMJV Site Lab
Soil	ASTM D2216-19		Main Lab



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		Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass	BMJV Site Lab
Soil	ASTM D2419-22	Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate	Main Lab
Soil	ASTM D4318-17e1	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils	Main Lab BMJV Site Lab
Soil	ASTMD4718/D4718M	Standard Practice for Correction of Unit Weight and Water Content for Soils Containing Oversize Particles	Main Lab
Soil	ASTM D4944-18	Standard Test Method for Field Determination of Water (Moisture) Content of Soil by the Calcium Carbide Gas Pressure Tester	Main Lab
Soil	ASTM D5334-22a	Standard Test Method for Determination of Thermal Conductivity of Soil and Soft Rock by Thermal Needle Probe Procedure: Thermal conductivity test	Main Lab
Soil	ASTM D6913/D6913M	Standard Test Methods for Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	Main Lab BMJV Site Lab
Soil	ASTM D6938-17a ^{e1}	Standard Test Methods for -In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	Main Lab
Soil	BS 1377-1:2016	Methods of test for soils for civil engineering purposes - Part 1: General requirements and Sample preparation	Main Lab
Soil	BS 1377-2:2022 Clause 4 (referring to BS EN ISO 17892-1:2014)	Soils for civil engineering purposes Part 2: Determination of moisture content	Main Lab
Soil	BS 1377-2: Cl 5.4 Referring to BS EN ISO 17892-12CL.5.4	Soils for civil engineering purposes Part 2: Classification Tests. Determination of Liquid Limit of Soil Using Casagrande Apparatus	Main Lab
Soil	BS 1377-2 CL.5.2 & CL.6 Referring to BS EN ISO 17892-12CL.5.3 & CL.5.5	Soils for civil engineering purposes Part 2: Classification tests. Determination of Liquid Limit of Soil Using Cone Penetrometer; Determination of Plastic Limit and Plasticity Index of Soil	Main Lab
Soil	BS 1377-2: Clause 8:2022	Soils for engineering purposes Part 2: Classification Tests. Determination of particle density	Main Lab
Soil	BS 1377-2: Clause 10 (referring to BS EN ISO 17892-4:2016)	Classification Tests and Determination of Geotechnical Properties: Determination of Particle Size Distribution: Sieving Method	Main Lab



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Soil	BS 1377-2 2022 Cl. 10 (Referring to BS EN ISO 17892-4:2016 CL. 5.3)	Classification Tests and Determination of Geotechnical Properties: Determination of Particle Size Distribution: Sedimentation by the Hydrometer Method	Main Lab
Soil	BS 1377-2:2022 Clause 11	Soils for civil engineering purposes Part 4: Compaction - related tests. Determination of dry density/moisture content relationship	Main Lab
Soil	BS 1377-2:2022 Clause 15	Soils for engineering purposes Part 4: Compaction - related Tests. Determination of California bearing ratio (CBR)	Main Lab
Soil	BS 1377-3:2018+A1:2021 Clause 11	Methods of test for soils for civil engineering purposes. Part 3: Chemical and electro-chemical testing. Determination of total dissolved solids	Main Lab
Soil	BS 1377-9: Clauses 2.1 & 2.2:1990	Soils for civil engineering purposes Part 9: In-situ Tests. In- situ density test -Sand replacement method - Small and Large pouring cylinder	Main Lab
Soil	BS 1377-9 Clause 2.5:1990	Soils for engineering purposes Part 9: In-situ Tests. In-situ density test - Nuclear gauge method	Main Lab
Soil	BS EN 933-9:2022	Test for geometrical properties of aggregate Part 9: Assessment of fines: Methylene Blue Test	Main Lab
Steel	ASTM A370-21 (Cl 6, 7, 8, 9, 10, 11, 12, 13, 14, 15)	Standard Test Methods and Definitions for Mechanical Testing of Steel Products	Main Lab
Steel	ASTM A1061/A1061M- 20ae1	Standard Test Methods for- Testing Multi-Wire Steel Strand	Main Lab
Steel	ASTM E415-21	Standard Test Method for Analysis of Carbon and Low-Alloy Steel by Spark Atomic Emission Spectrometry / BS 4449:2005 Cl. 7.1	Main Lab
Steel	ASTM E1086-14	Standard Test Method for Analysis of Austenitic Stainless Steel by Spark Atomic Emission Spectrometry	Main Lab
Steel	BS 4449:2005+A3:2016	Steel for the reinforcement of concrete. Weldable reinforcing steel. Bar, coil and decoiled product. Specification	Main Lab
Steel	BS EN ISO 6892-1:2019 (Cl 6, Cl 7, Cl 8, Cl 10.3.3, Cl 20)	Metallic materials Tensile testing Part 1: Method of test at room temperature	Main Lab
Steel	BS EN ISO 15630-1:2019 (Cl 5.3, Cl 6, Cl 7)	Steel for the Reinforcement and prestressing of Concrete - Test Methods Part 1: Reinforcing bars, wire rod and wire Cl 5.3 Total Elongation at Maximum Force, Cl 6 Bend Test, Cl 7 Rebend Test	Main Lab

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TECH LAB (TECHNICAL LABORATORIES)

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SCOPE OF ACCREDITATION

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Category	Standard/ Method No. / Date	Standard/ Method Title & Section	Location / Facility
Tiles & Marbles	ASTM C97/C97M-8	Water Absorption & Bulk Specific Gravity of Dimension Stone	Main Lab
Tiles & Marbles	ASTM C99/C 99M-18	Modulus Rupture of Dimension Stone	Main Lab
Tiles & Marbles	ASTM C170/C170M	Compressive Strength of Dimension Stone	Main Lab
Tack Coat / Prime Coat	ASTM D95-13(2018)	Standard Test Method for Water in Petroleum and Bituminous Materials by Distillation	Main Lab
Tack Coat / Prime Coat	ASTM D402/D402M-14	Standard Test Method for Distillation of Cutback Asphalts	Main Lab

