



INTERNATIONAL  
ACCREDITATION  
SERVICE®

# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## **GULF LABORATORIES CO. W.L.L.**

P.O. BOX 4024, BUILDING 112, ST. NO.13, SALWA INDUSTRIAL AREA  
DOHA, QATAR

### **Testing Laboratory TL-373**

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.

Expiry Date June 1, 2026  
Effective Date July 10, 2024



*International Accreditation Service*  
Issued under the authority of IAS management

Visit [www.iasonline.org](http://www.iasonline.org) for current accreditation information.

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

## GULF LABORATORIES CO. W.L.L.

<https://www.gulflaboratories.com>

**Contact Name** Mr. Senthil Kumar

**Contact Phone** +974 44607034

*Accredited to ISO/IEC 17025:2017*

*Effective Date July 10, 2024*

Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Admixture	BS EN 480-12	Admixture for concrete, mortar, and grout Determination of the alkali content of Admixture	Street 13
Aggregates	AASHTO T 2	Sampling of Aggregates	Street 13
Aggregates	AASHTO T 11-05	Material Finer than 0.075mm (No.200) Sieve in Mineral Aggregates - Washing with plain paper (Procedure A)	Street 13
Aggregates	AASHTO T 27	Sieve Analysis of Fines and Coarse Aggregates	Street 13
Aggregates	AASHTO T 96	Resistance to Degradation of small size agg.by Abrasion and Impact in the Los Angeles machine	Street 13
Aggregates	AASHTO T 104	Soundness of Aggregate by Use of Sodium Sulphate or Magnesium sulphate	Street 13
Aggregates	ASTM C40/C40M	Standard Test Method for Organic Impurities in Fine Aggregates for Concrete	Street 13
Aggregates	ASTM C88	Standard Test Method for Soundness of Aggregates by the use Sodium Sulfate or Magnesium Sulfate	Street 13
Aggregates	ASTM C117	Material finer than 0.075mm (No. 200) Sieve in Mineral Aggregates Procedure A	Street 13
Aggregates	ASTM C123/C123M	Standard Test Method for Lightweight Particles in Aggregate	Street 13
Aggregates	ASTM C127	Standard Test Method for Density, Relative density, (Specific Gravity) and Absorption of Coarse Aggregates	Street 13
Aggregates	ASTM C128	Standard Test Method for Relative Density (Specific Gravity) and Absorption of Fine Aggregate	Street 13
Aggregates	ASTM C131/C131M	Standard Test Method for Resistance to Degradation of Small Size Coarse Aggregate by Abrasion	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
		and Impact in the Los Angeles Machine	
Aggregates	ASTM C136	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates	Street 13
Aggregates	ASTM C136:2014	Sieve Analysis of Fine and Coarse Aggregates	Street 13
Aggregates	ASTM C142- C142M	Standard Test Method for Clay Lumps and Friable Particles in Aggregates	Street 13
Aggregates	ASTM C289	Potential Alkali Silica reactivity of Aggregates-Chemical Method	Street 13
Aggregates	ASTM C430	Fineness of Hydraulic Cement by the 45 micron Sieve	Street 13
Aggregates	ASTM C430-08	Fineness of Hydraulic Cement by the 45 micron Sieve	Street 13
Aggregates	ASTM C535	Standard Test Method for Resistance to Degradation of Large Sized Coarse Aggregate by Abrasion and Impact in Los Angeles Machine	Street 13
Aggregates	ASTM D75/D75M	Standard Practice for Sampling Aggregates	Street 13
Aggregates	ASTM D4791	Standard Test Method for Flat Particles, elongated particles, or flat and elongated particles in coarse aggregate	Street 13
Aggregates	ASTM D5444	Standard Test Method for Mechanical Size Analysis of Extracted Aggregate	Street 13
Aggregates	ASTM D5821	Standard Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregate	Street 13
Aggregates	BS 812-2	Testing Aggregates: Methods of determination of density. Cl. 5.3 Method for aggregates all larger than 10 mm	Street 13
Aggregates	BS 812-2	Testing Aggregates: Methods of determination of density. Cl. 5.4 Method for aggregates between 40 mm and 5 mm	Street 13
Aggregates	BS 812-2	Testing Aggregates: Methods of determination of density. Cl. 5.5 Method for aggregates 10 mm nominal size and smaller	Street 13
Aggregates	BS 812-102	Testing Aggregates: Methods for sampling	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Aggregates	BS 812-103.1	Testing aggregates-Method for determination of particle size distribution-Sieve tests	Street 13
Aggregates	BS 812-103.1	Testing aggregates. Cl. 7.2 Method for determination of particle size distribution. Sieve tests (Wet)	Street 13
Aggregates	BS 812-103.1	Testing aggregates. Cl. 7.3 Method for determination of particle size distribution. Sieve tests (Dry)	Street 13
Aggregates	BS 812-105.1	Testing Aggregates: Methods for the determination of Particle Shape-Flakiness Index	Street 13
Aggregates	BS 812-105.2	Testing Aggregates: Methods for the determination of Particle Shape-Elongation Index of coarse aggregate	Street 13
Aggregates	BS 812-109	Testing Aggregates: Methods for the determination of moisture content. Cl. 6 Definitive, oven-drying method	Street 13
Aggregates	BS 812-110	Testing Aggregates: Methods for the determination of aggregate crushing value	Street 13
Aggregates	BS 812-111	Testing Aggregates: Methods for the determination of ten percent fines value (TFV)	Street 13
Aggregates	BS 812-Part 112-90	Aggregates Testing Method for Determination of Aggregates Impact Value, Dry Procedure	Street 13
Aggregates	BS 812 Part 117	Testing Aggregates: Methods for the determination of water soluble chloride salts	Street 13
Aggregates	BS 812 Part 117	Testing Aggregates: Methods for the determination of water soluble chloride. Appendix C Test Method for determination of chloride content of aggregates using a nitric acid extract, for aggregate containing chloride not extracted by water	Street 13
Aggregates	BS 812 Part 118	Testing Aggregates: Methods for the determination of sulphate content. Cl. 5.2 Determination of water soluble sulphates	Street 13
Aggregates	BS 812 Part 118	Testing Aggregates: Methods for the determination of sulphate content. Cl. 6 Determination of Acid soluble sulphates	Street 13
Aggregates	BS 812 Part 118	Testing Aggregates: Methods for the determination of sulphate	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
		content Cl. 6 Determination of the total sulphate content by acid extraction	
Aggregates	BS EN 932-1	Test for General Properties of Aggregates - Part 1. Methods for sampling	Street 13
Aggregates	BS EN -933-Part 1	Test for Geometrical Properties of Aggregates, Determination of Particle size distribution	Street 13
Aggregates	BS EN -933-Part 3	Test for Geometrical Properties of Aggregates, Determination of Flakiness Index of Aggregates	Street 13
Aggregates	BS EN 933-4	Tests for geometrical properties of aggregates- Determination of particle shape-Shape index	Street 13
Aggregates	BS EN 933-7	Tests for geometrical properties of aggregates-Determination of shell content- Percentage of shells in coarse aggregates	Street 13
Aggregates	BS EN 933-9:2009+A1:2013	Tests for geometrical properties of aggregates Part 9 Assessment of fines- Methylene Blue Test	Street 13
Aggregates	BS EN 1097-2 Cl 5	Determination of Los Angeles Abrasion Test	Street 13
Aggregates	BS EN 1097-6	Test for Mechanical and Physical Properties of Aggregates, Determination of Particle Density and Water Absorption	Street 13
Aggregates	BS EN 1367 -2	Determination of Magnesium Sulphate Soundness Test	Street 13
Aggregates	BS EN 1367-4	Tests for thermal and Weathering Properties of Aggregates, Part 4 Determination of Drying Shrinkage	Street 13
Aggregates	BS EN 1744-1:2001-A1:2012	Tests for chemical properties of aggregates-Chemical analysis- Cl. 12 Determination of acid soluble sulfates	Street 13
Aggregates	BS EN 1744-5	Tests for chemical properties of aggregates-Determination of acid soluble chloride salts	Street 13
Aggregates	BS EN ISO 11127-7	Preparation of steel substrates before application of paints and related products- Test Methods for non-metallic blast-cleaning abrasives- Determination of water-soluble chlorides	Street 13
Asphalt	AASHTO T 283-14	Resistance of Compacted Asphalt Mixtures to Moisture-Induced Damage	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Asphalt	ASTM D546	Standard Test Method for Sieve Analysis of Mineral Filler for Bituminous Paving Mixtures (ASTM D546-10)	Street 13
Asphalt	ASTM D979/D979M	Standard Practice for Sampling Bituminous Paving Mixtures	Street 13
Asphalt	ASTM D1188	Bulk Specific Gravity and density of Compacted Bituminous Mixtures using Coated samples.	Street 13
Asphalt	ASTM D2041/D2041M	Standards Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixture. Procedure 9.5.1 (Weighing in water)	Street 13
Asphalt	ASTM D2172/D2172M	Quantitative Extraction of Bitumen from Bituminous Paving Mixtures Ashing Method Clause 11.6.1	Street 13
Asphalt	ASTM D2726/D2726M	Standard Test Method for Bulk Specific Gravity and Density of Non Absorptive Compacted Bituminous Mixtures	Street 13
Asphalt	ASTM D2950/D2950M	Standard Test Method for Density of Bituminous Concrete in Place by Nuclear Methods	Street 13
Asphalt	ASTM D3203	Standard Test Method for Percent Air Voids in Compacted Asphalt Mixtures	Street 13
Asphalt	ASTM D3549/D3549M	Standard Test Method for Thickness or Height of Compacted Bituminous Paving Mixture Specimens	Street 13
Asphalt	ASTM D5361/D5361M	Standard Practice for Sampling Compacted Bituminous Mixtures for Laboratory Testing	Street 13
Asphalt	ASTM D6926	Preparation of Bituminous Specimens using Marshall apparatus	Street 13
Asphalt	ASTM D6927	Standard Test for Marshall Stability and Flow of Bituminous Materials	Street 13
Asphalt	ASTM D6931	Standard Method for Indirect (IDT) Strength of Asphalt mixtures	Street 13
Asphalt	BS 598-104	Sampling and examination of bituminous mixtures for road and other areas: Methods of test for determination of density and compaction Cl. 4 Measurement of Density of Cores	Street 13
Asphalt	BS EN 12697-Part 1	Bituminous mixtures. Test Methods for Hot Mix Asphalt. Soluble binder	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
		content. Centrifuge extraction method	
Asphalt	BS EN 12697-Part 2	Bituminous Mixtures Test Method for Hot Mix Asphalt, Determination of Particle size Distribution	Street 13
Asphalt	BS EN 12697-5	Bituminous mixtures-Test Methods for Hot Mix Asphalt- Determination of the maximum density	Street 13
Asphalt	BS EN 12697-6	Bituminous mixtures-Test Methods for Hot Mix Asphalt- Determination of bulk density of bituminous specimens	Street 13
Asphalt	BS EN 12697-8	Bituminous mixtures-Test Methods for Hot Mix Asphalt- Determination of void characteristics of bituminous specimens	Street 13
Asphalt	BS EN 12697-9	Bituminous mixtures-Test Methods for Hot Mix Asphalt- Determination of the reference density	Street 13
Asphalt	BS EN 12697-13	Bituminous mixtures-Test Methods for Hot Mix Asphalt- Temperature measurement	Street 13
Asphalt	BS EN 12697- 26	Bituminous mixtures-Test Methods for Hot Mix Asphalt- Stiffness	Street 13
Asphalt	BS EN 12697-27	Bituminous mixtures-Test Methods for Hot Mix Asphalt- Sampling	Street 13
Asphalt	BS EN 12697-28	Bituminous mixtures-Test Methods for Hot Mix Asphalt- Preparation of samples for determining binder content, water content and grading	Street 13
Asphalt	BS EN 12697-29	Bituminous mixtures- Test Methods for Hot Mix Asphalt- Determination of the dimensions of a bituminous specimen	Street 13
Asphalt	BS EN 12697-Part 30	Bituminous Mixtures Test Method for Hot Mix Asphalt, Specimen preparation by Impact Compactor	Street 13
Asphalt	BS EN 12697-Part 34	Bituminous Mixtures Test Method for Hot Mix Asphalt, Marshall Test	Street 13
Asphalt	BS EN 12697-35	Bituminous mixtures-Test Methods for Hot Mix Asphalt- Laboratory mixing	Street 13
Asphalt	BS EN 12697-Part 36	Bituminous Mixtures Test Method for Hot Mix Asphalt, Determination of thickness of a Bituminous Pavement	Street 13
Asphalt	BS EN 12697-39	Bituminous mixtures- Test Methods for Hot Mix Asphalt- Binder content by ignition	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Asphalt Binder	ASTM D5/D5M	Standard Test Method for Penetration of Bituminous Materials	Street 13
Asphalt Binder	ASTM D6/D6M	Standard Test Method for Loss on Heating of Oil and Asphaltic Compounds	Street 13
Asphalt Binder	ASTM D36/D36M	Standard Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus)	Street 13
Asphalt Binder	ASTM D92	Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester	Street 13
Asphalt Binder	ASTM D113	Standard Test Method for Ductility of Asphalt Materials	Street 13
Asphalt Binder	ASTM D140/D140M	Standard Practice for Sampling of Asphalt Materials	Street 13
Asphalt Binder	ASTM D2042	Standard Test Method for Solubility of Asphalt Materials by Trichloroethylene	Street 13
CBGM	BS EN 1924-2	Stabilized Materials for Engineering Purposes Cl 1.3.3 Determination of Moisture Content (Oven Drying Method)	Street 13
CBGM	BS EN 1924-2	Stabilized materials for civil engineering purposes Part 2. Methods of test for cement-stabilized and lime-stabilized materials. Cl 4.2 Determination of Compressive Strength of Cubic Specimen	Street 13
CBGM	BS EN 1924-2	Stabilized materials for civil engineering purposes Part 2. Methods of test for cement-stabilized and lime-stabilized materials. Cl 4.3 Determination of the effect of immersion in water on the compressive strength	Street 13
Cement	AASHTO T P64-03	Standards test Methods for Predicting Chloride Penetration of Hydraulic Cement Concrete by the Rapid Migration Procedure	Street 13
Cement	ASTM C109	Standards test Methods for Compressive Strength of Hydraulic Cement Mortars	Street 13
Cement	ASTM C114	Standard Test Methods for Chemical Analysis of Hydraulic Cements Cl. 7 - Insoluble Residue	Street 13
Cement	ASTM C114	Chemical Analysis of Hydraulic Cements Silicon Dioxide-Reference Test Method Cl.8	Street 13

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Cement	ASTM C114	Standard Test Methods for Chemical Analysis of Hydraulic Cements Cl. 10 Fe <sub>2</sub> O <sub>3</sub>	Street 13
Cement	ASTM C114	Standard Test Methods for Chemical Analysis of Hydraulic Cements Cl. 14 - Al <sub>2</sub> O <sub>3</sub>	Street 13
Cement	ASTM C114	Standard Test Methods for Chemical Analysis of Hydraulic Cements; Cl. 18 - Loss on Ignition	Street 13
Cement	ASTM C114	Standard Test Methods for Chemical Analysis of Hydraulic Cements; Cl. 23 - CaO (Alternative Method)	Street 13
Cement	ASTM C183	Sampling and the amount of Testing of Hydraulic Cement	Street 13
Cement	ASTM C187	Standard Test Method for Amount of Water Required for Normal Consistency of Hydraulic Cement Paste	Street 13
Cement	ASTM C191	Standard Test Method for Time Setting of Hydraulic Cement by Vicat Needle	Street 13
Cement	ASTM C204	Standard Test Methods for Fineness of Hydraulic Cement by Air-Permeability Apparatus	Street 13
Cement	ASTM C305	Standard Practice for Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	Street 13
Cement	ASTM C349	Standard Test Method for Compressive Strength of Hydraulic Cement Mortars: Using Portion of Prisms Broken in Flexure	Street 13
Cement	ASTM C989/C989M, Cl 10.5, L 10.8, Cl 10.10, Cl 10.11	Standard Specification for Slag Cement for use in Concrete and Mortars Cl 10.5 Sulfate Ion in Slag Cement Reported as SO <sub>3</sub> ; Cl 10.8 Chloride Content of Slag Cement; Cl 10.10 Aluminum Oxide Content of Slag Cement; Cl 10.11 Total Equivalent Alkalies of Slag Cement	Street 13
Cement	ASTM C1240, Cl 16	Silica Fume Used in Cementitious Mixtures Cl 16. Accelerated Pozzolanic Strength Activity Index with Portland Cement	Street 13
Cement	BS 5075 Part 1	Concrete Admixtures: Specifications for accelerating admixtures, regarding admixtures and water (Excluding Appendix A, B, C, D, E, F)	Street 13

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Cement	BS EN 196-1	Methods of testing cement- Determination of strength	Street 13
Cement	BS EN 196-2	Method of testing cement-Chemical analysis of cement- Cl. 4.1.5 Preparation of Test Sample of Cement (BS EN 196-2:2005 Cl. 6)	Street 13
Cement	BS EN 196-2	Method of testing cement. Chemical analysis of cement Cl. 4.4.1 Determination of Loss on ignition (BS EN 196- 2:2005 Cl. 7)	Street 13
Cement	BS EN 196-2	Method of testing cement. Chemical analysis of cement. Cl. 4.4.2 Determination of Sulphate (BS EN 196-2:2005 Cl. 8)	Street 13
Cement	BS EN 196-2	Method of testing cement. Chemical analysis of cement. Cl. 4.4.3 Determination of residue in insoluble in hydrochloric acid and sodium carbonate (BS EN 196- 2:2005 Cl. 9)	Street 13
Cement	BS EN 196-2	Method of testing cement. Chemical analysis of cement. Cl. 4.4.5 Decomposition (BS EN 196- 2:2005 Cl. 13.5)	Street 13
Cement	BS EN 196-2	Method of testing cement- Chemical analysis of cement- Cl. 4.5.2 Decomposition with sodium peroxide (BS EN 196-2:2005 Cl. 13.2)	Street 13
Cement	BS EN 196-2	Method of testing cement. Chemical analysis of cement. Cl. 4.5.6 Determination of Pure silica (BS EN 196-2:2005 Cl. 13.6)	Street 13
Cement	BS EN 196-2	Method of testing cement- Chemical analysis of cement- Cl. 4.5.8 Determination of soluble silica (BS EN 196- 2:2005 Cl. 13.8)	Street 13
Cement	BS EN 196-2	Method of testing cement- Chemical analysis of cement- Cl. 4.5.9 Determination of total silica (BS EN 196- 2:2005 Cl. 13.9)	Street 13
Cement	BS EN 196-2	Method of testing cement. Chemical analysis of cement. Cl. 4.5.10 Determination of Iron oxide (BS EN 196- 2:2005 Cl. 13.10)	Street 13
Cement	BS EN 196-2	Method of testing cement. Chemical analysis of cement. Cl. 4.5.11 Determination of Aluminium Oxide Al <sub>2</sub> O <sub>3</sub> (BS EN 196-2:2005 Cl.13.11)	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Cement	BS EN 196-2	Method of testing cement- Chemical analysis of cement- Cl. 4.5.13 Determination of magnesium oxide by DCTA-reference method (BS EN 196-2:2005 Cl. 13.13)	Street 13
Cement	BS EN 196-2	Method of testing cement. Chemical analysis of cement Cl. 4.5.14 Determination of Calcium by EDTA (BS EN 196-2:2005 Cl. 13.14)	Street 13
Cement	BS EN 196-2	Method of testing cement. Chemical analysis of cement. Cl. 4.5.15 Determination of magnesium by EDTA method (BS EN 196- 2:2005 Cl. 13.15)	Street 13
Cement	BS EN 196-2	Method of testing cement – Part 2 Chemical analysis of cement. Cl. 4.5.16 determination of Chloride in cement (BS EN 196-2:2005 Cl. 14)	Street 13
Cement	BS EN 196-2	Method of testing cement. Chemical analysis of cement. Cl. 4.15.19 Determination of alkali- reference method (BS EN 196- 2:2005 Cl. 17)	Street 13
Cement	BS EN 196- 3:2005+A1:2008	Methods of testing cement- Determination of setting times and soundness	Street 13
Cement	BS EN 196-6	Methods of testing cement- Determination of fineness	Street 13
Cement	BS EN 196-7	Methods of testing cement-Methods of taking and preparing samples of cement	Street 13
Cement	BS EN 196-8	Method of testing cement. Heat of Hydration-Solution Method	Street 13
Cement	NT Build 492	Concrete, Mortar and Cement- Based Repair Materials: Chloride Migration Coefficient From Non- Steady-State Migration Experiments	Street 13
Concrete	AASHTO T 260-97	Sampling and Testing for Chloride Ion in Concrete and Concrete Raw Materials. Potentiometric Titration Cl.5.4.1 - Method 1:	Street 13
Concrete	ASTM C31/C31M:15ae1	Standard Practice for Making and Curing Test Specimens in the Field	Street 13
Concrete	ASTM C39/C39M	Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Concrete	ASTM C42/C42M	Standard Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	Street 13
Concrete	ASTM C133	Cold Crushing Strength and Modulus of Rupture of Refractories	Street 13
Concrete	ASTM C134	Size, Dimensional Measurements, and Bulk Density of Refractory Brick and Insulating Firebrick	Street 13
Concrete	ASTM C138/C138M	Standard Test Method for Density (Unit Weight), Yield, and Air content (Gravimetric) of Concrete	Street 13
Concrete	ASTM C143/C143M	Standard Test Method for Slump of Hydraulic Cement Concrete	Street 13
Concrete	ASTM C172/C172M	Sampling Freshly Mixed Concrete	Street 13
Concrete	ASTM C231/C231M	Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method	Street 13
Concrete	ASTM C232/C232M	Standard Test Method for Bleeding of Concrete	Street 13
Concrete	ASTM C496/C496M	Standard Test Method for Splitting Tensile Strength of Cylindrical Concrete Specimens	Street 13
Concrete	ASTM C617/C617M	Standard Practice for Capping Cylindrical Concrete Specimens	Street 13
Concrete	ASTM C1064/C1064M	Standard Test Method for Temperature of Freshly Mixed Hydraulic Cement Concrete	Street 13
Concrete	ASTM C1152/C1152M	Standard Test Method for Acid Soluble Chloride in Mortar and Concrete	Street 13
Concrete	ASTM C1202	Standard Test Method for Electrical Indication of Concrete to Resist Chloride Ion Penetration	Street 13
Concrete	ASTM C1218/C1218M	Water Soluble Chloride in Mortar and Concrete	Street 13
Concrete	ASTM C1385/C1385M	Standard Practice for Sampling Materials for Shotcrete	Street 13
Concrete	ASTM C1611/C1611M	Standard Test Method for Slump Flow of Consolidating concrete	Street 13
Concrete	BS-1881-Part 122	Testing Hardened Concrete Method for Determination of water Absorption	Street 13
Concrete	BS 1881 Part 124	Testing Concrete: Method for the analysis of hardened concrete. Cl. 10.2 Determination of chloride content.	Street 13
Concrete	BS 1881 Part 124	Testing Concrete: Method for the analysis of hardened concrete. Cl. 10.3 Determination of Sulphate content	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Concrete	BS 1881-204	Testing concrete. Recommendations on the use of electromagnetic cover meters	Street 13
Concrete	BS 1881-208	Testing Concrete: Recommendations for the determination of the initial surface absorption of concrete	Street 13
Concrete	BS EN 1542	Measurement of bond Strength By Pull off Method	Street 13
Concrete	BS EN 12350-1	Testing fresh concrete-Sampling	Street 13
Concrete	BS EN 12350-2	Testing fresh concrete. Slump-test	Street 13
Concrete	BS EN -12350-5	Testing fresh concrete - Part 5: Flow table test	Street 13
Concrete	BS EN-12390-1	Testing of hardened Concrete Shape, Dimension and other requirement for Specimens and molds	Street 13
Concrete	BS EN 12390-2	Testing hardened concrete. Making and curing specimens for strength tests	Street 13
Concrete	BS EN-12390-3	Testing of hardened Concrete Compressive Strength test of Concrete Specimen	Street 13
Concrete	BS EN-12390-7	Testing of hardened Concrete Density test of Concrete Specimen	Street 13
Concrete	BS EN -12390-8	Testing hardened concrete Depth of Penetration of Water under Pressure	Street 13
Concrete	BS EN 12504-1	Testing concrete in structures- Cored specimens. Taking, examining and testing in compression	Street 13
Concrete	BS EN 12504-2	Testing Concrete in Structures: Part 2: Non- Destructive testing - Determination of Rebound Number	Street 13
Concrete	BS EN 14488-1	Testing Sprayed Concrete - Part 1: Sampling of Fresh and hardened Concrete	Street 13
Concrete	BS EN 14488-2	Testing Sprayed concrete. Compressive Strength of Young Sprayed Concrete (Method A and Method B)	Street 13
Concrete	BS EN 14488-5	Testing Sprayed concrete - Determination of Energy Absorption Capacity of Fibre reinforce concrete Slab Specimen	Street 13
In Situ Concrete	ASTM E1703	Standard Test Method for Rut Depth of Pavement Surfaces using a Straight Edge	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
In Situ Concrete	BS EN 1542:1999	Test Method for Bond Strength by Pull Off test	Street 13
Electrical Insulating Liquids (Transformer Oils)	ASTM D92	Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester	Street 13
Electrical Insulating Liquids (Transformer Oils)	ASTM D445	Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity)	Street 13
Electrical Insulating Liquids (Transformer Oils)	ASTM D664	Standard Test Method for Acid Number of Petroleum Products by Potentiometric Titration	Street 13
Electrical Insulating Liquids (Transformer Oils)	ASTM D923	Standard Practices for Sampling Electrical Insulating Liquids	Street 13
Electrical Insulating Liquids (Transformer Oils)	ASTM D924	Standard Test Method for Dissipation Factor (or Power Factor) and Relative Permittivity (Dielectric Constant) of Electrical Insulating Liquids	Street 13
Electrical Insulating Liquids (Transformer Oils)	ASTM D971	Standard Test Method for Interfacial Tension of Oil Against Water by the Ring Method	Street 13
Electrical Insulating Liquids (Transformer Oils)	ASTM D1298	Standard Test Method for density, relative density, or API gravity of crude petroleum and liquid petroleum products by hydrometer method	Street 13
Electrical Insulating Liquids (Transformer Oils)	ASTM D1500	Standard Test Method for ASTM Color of Petroleum Products (ASTM Color Scale)	Street 13
Electrical Insulating Liquids (Transformer Oils)	ASTM D1533	Standard Test Method for Water in Insulating Liquids by Coulometric Karl Fischer Titration	Street 13
Electrical Insulating Liquids (Transformer Oils)	ASTM D1816	Standard Test Method for Dielectric Breakdown Voltage of Insulating Liquids Using VDE Electrodes	Street 13
Electrical Insulating Liquids (Transformer Oils)	ASTM D3612	Standard Test Method for Analysis of Gases Dissolved in Electrical Insulating Oil by Gas Chromatography (ASTM D3612 Method C)	Street 13
Electrical Insulating Liquids (Transformer Oils)	ASTM D5837	Standard Test Method for Furanic Compounds in Electrical Insulating Liquids by High-Performance Liquid Chromatography (HPLC)	Street 13
Electrical Insulating Liquids (Transformer Oils)	GL-SOP-PL-07 NAS 1638	Particle Count in Oils	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Electrical Insulating Liquids (Transformer Oils)	IEC 60156	Insulating liquids - Determination of the breakdown voltage at power frequency - Test method	Street 13
Electrical Insulating Liquids (Transformer Oils)	IEC 60247	Insulating liquids - Measurement of relative permittivity, dielectric dissipation factor (tan d) and d.c. resistivity	Street 13
Electrical Insulating Liquids (Transformer Oils)	IEC 60422 Annex C C.1	Mineral insulating oils in electrical equipment – Supervision and maintenance guidance Test method for determination of sediment	Street 13
Electrical Insulating Liquids (Transformer Oils)	IEC 60422 Annex Clause C.2	Mineral insulating oils in electrical equipment – Supervision and maintenance guidance Test method for determination of sediment Unused hydrocarbon-based insulating liquids —Test methods for evaluating the oxidation stability - Clause 1.9.1 Sludge formation	Street 13
Electrical Insulating Liquids (Transformer Oils)	IEC 60475	Method of sampling insulating liquids	Street 13
Electrical Insulating Liquids (Transformer Oils)	IEC 60567	Oil-filled electrical equipment - Sampling of gases and analysis of free and dissolved gases - Guidance	Street 13
Electrical Insulating Liquids (Transformer Oils)	IEC 60814	Insulating liquids —Oil-impregnated paper and pressboard — Determination of water by automatic coulometric Karl Fischer titration	Street 13
Electrical Insulating Liquids (Transformer Oils)	IEC 60970	Insulating liquids - Methods for counting and sizing particles	Street 13
Electrical Insulating Liquids (Transformer Oils)	IEC 61125 CI 1.9.1	Mineral insulating oils in electrical equipment – Supervision and maintenance guidance Test method for determination of sediment Unused hydrocarbon-based insulating liquids —Test methods for evaluating the oxidation stability - Clause 1.9.1 Sludge formation	Street 13
Electrical Insulating Liquids (Transformer Oils)	IEC 61198	Mineral insulating oils -Methods for the determination of 2-furfural and related compounds.	Street 13
Electrical Insulating Liquids (Transformer Oils)	IEC 62021	Insulating liquids - Determination of acidity - Part 1: Automatic potentiometric titration	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Electrical Insulating Liquids (Transformer Oils)	IEC 62535	Insulating liquids - Test method for detection of potentially corrosive sulphur in used and unused insulating oil	Street 13
Electrical Insulating Liquids (Transformer Oils)	IEC 62691	Test methods for the determination of interfacial tension of insulating liquids – Determination with the ring method	Street 13
Electrical Insulating Liquids (Transformer Oils)	ISO 2049	Petroleum products -- Determination of colour (ASTM scale)	Street 13
Electrical Insulating Liquids (Transformer Oils)	ISO 3104	Petroleum products -- Transparent and opaque liquids -- Determination of kinematic viscosity and calculation of dynamic viscosity	Street 13
Environmental Chemistry - Marine Water and Sediment	MOOPAM	Manual of oceanographic observations and pollutant analyses methods (MOOPAM) - 1999 (IV-38): Total Organic Carbon	Street 13
Environmental Chemistry - Sediment, Soil, and Solid Wastes - Organics	US EPA Method 5035/8260C	US EPA - Methods for Chemical Analysis of Water and Wastes Purge and Trap for Aqueous Sample / Closed System Purge and Trap and Extraction for Volatile Organics in Soil and Waste Sample/ Volatile Organic Compounds by GC-MS	Street 13
Environmental Chemistry - Sediment, Soil, and Solid Wastes - Organics	US EPA Method 8015C	US EPA - Methods for Chemical Analysis of Water and Wastes Total Petroleum Hydrocarbons (TPH) /Analysis of Semi-volatile organic compounds by GC-MS	Street 13
Environmental Chemistry - Sediment, Soil, and Solid Waste Organics	US EPA Method 8015C	US EPA - Methods for Chemical Analysis of Water and Wastes Method 8015C Nonhalogenated Organics by Gas Chromatography (GC-MS)	Street 13
Environmental Chemistry - Sediment, Soil, and Solid Waste Organics	US EPA Method 8041A / 3546	US EPA - Methods for Chemical Analysis of Water and Wastes Method 8041a Phenols by Gas Chromatography	Street 13
Environmental Chemistry - Sediment, Soil, and Solid Waste Organics	US EPA Method 8270D / 3546	US EPA - Methods for Chemical Analysis of Water and Wastes Method 8270D Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Street 13
Environmental Chemistry -	US EPA Method 9071B	US EPA - Methods for Chemical Analysis of Water and Wastes	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Sediment, Soil, and Solid Waste Organics		Method 9071B n-Hexane Extractable Material (HEM) for Sludge, Sediment, and Solid Samples	
Environmental Chemistry - Soil/Wastes	US EPA 1311	Toxicity Characteristic Leaching Procedure	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2110	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Appearance	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2120 C	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Spectrophotometric-Single Wavelength Method (Proposed) - Color	Street 13
Environmental Chemistry- Water and Wastewater	APHA/AWWA 2130 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Turbidity, Nephelometric method	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2310 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Titration Method (Acidity)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2320 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Total Alkalinity, Titration method	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2320-B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Alkalinity: Titration Method - Bicarbonate	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2320-B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Alkalinity: Titration Method - Carbonate	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2340 C	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Total Hardness, EDTA Titrimetric Method	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2510 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Conductivity, Laboratory method	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2520-B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Total	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
		Suspended Solids (TSS) Dried @ 103°C - 105°C	
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2540 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Total Solids Dried at 103 - 105°C	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2540 C	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Total Dissolved Solids Dried at 180°C	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2540 C & E	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Total Dissolved Solids Dried at 180°C. Total Volatile Dissolved Solids Ignited at 550°C	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2540 D	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Total Suspended Solids	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2540 E	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Fixed and Volatile Solids Ignited at 550°C	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2540 F	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Settleable Solids	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2540 G	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Total, Fixed, and Volatile Solids in Solid and Semi-solid samples.	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2550 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Laboratory and Field Methods (Temperature)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2580	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Oxidation- Reduction Potential Measurement in Clean Water - Oxidation Reduction Potential (ORP)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2710-C	Standard Methods for the Examination of Water and	Street 13

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		Wastewater 23rd Edition:2017 Test on sludge - settled sludge volume	
Environmental Chemistry - Water and Wastewater	APHA/AWWA 2710-D	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Sludge - Sludge volume Index (SVI)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Aluminum Al	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Antimony Sb	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Arsenic As	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Barium Ba	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Beryllium Be	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Boron B	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Cadmium Cd	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Calcium Ca	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
		ICP-Atomic Emission Spectroscopy Chromium Cr	
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Cobalt Co	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Copper Cu	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Iron Fe	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Lead Pb	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Lithium Li	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Magnesium Mg	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Manganese Mn	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Mercury Hg	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Molybdenum Mo	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
		ICP-Atomic Emission Spectroscopy Nickel Ni	
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Phosphorus P	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Potassium K	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Selenium Se	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Silicon Si	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Silver Ag	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Sodium Na	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Thallium Tl	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Tin Sn	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Titanium Ti	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
		ICP-Atomic Emission Spectroscopy Vanadium V	
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3120 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Atomic Emission Spectroscopy Zinc Zn	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Aluminum Al	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Antimony Sb	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Arsenic As	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Barium Ba	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Beryllium Be	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Boron B	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Cadmium Cd	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Calcium Ca	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Chromium Cr	Street 13

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Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Cobalt Co	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Copper Cu	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Iron Fe	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Lead Pb	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Lithium Li	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Magnesium Mg	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Manganese Mn	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Mercury Hg	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Molybdenum Mo	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Nickel Ni	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Phosphorus P	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Potassium K	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Selenium Se	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Silicon Si	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Silver Ag	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Sodium Na	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Thallium Tl	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Tin Sn	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Titanium Ti	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Vanadium V	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3125 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 ICP-Mass Spectroscopy Zinc Zn	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3500 Ca B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Calcium, EDTA Titrimetric method	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3500- Fe B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017. Iron in water by Phenanthroline Colourimetric method	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 3500 Mg B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Magnesium, Calculation method	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4110- B Chloride	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Anions by Ion Chromatography. Determination of Anions by Ion Chromatography with chemical suppression of eluent conductivity - Chloride	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4110- B Nitrate	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Anions by Ion Chromatography. Determination of Anions by Ion Chromatography with chemical suppression of eluent conductivity - Nitrate	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4110- B Nitrite	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Anions by Ion Chromatography. Determination of Anions by Ion Chromatography with chemical suppression of eluent conductivity - Nitrite	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4110- B Sulphate	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Anions by Ion Chromatography. Determination of Anions by Ion Chromatography with chemical suppression of eluent conductivity - Sulphate	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4110 D	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Ion Chromatographic determination of Oxyhalides and Bromide	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- Cl B	Standard Methods for the Examination of Water and 23rd Edition:2017 Iodometric Method I (Chlorine - Residual)	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Environmental Chemistry - Water and Wastewater	APHA/AWWA4500 Cl <sup>-</sup> B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Chloride, Argentometric method	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- Cl <sup>-</sup> D	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Potentiometric Method (Chloride)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- Cl G	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 DPD Colorimetric Method (Chlorine - Residual)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- CN C	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Total Cyanide After Distillation	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- CN <sup>-</sup> E	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Colorimetric Method (Cyanide)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- CN <sup>-</sup> F	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Cyanide Selective Electrode Method	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- CO <sub>2</sub> C	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Titrimetric Method for Free Carbon Dioxide (Carbon Dioxide)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500 F <sup>-</sup> D	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Fluoride, SPADNS method Test	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500 H <sup>+</sup> B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 pH value, Electrometric method	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- N <sub>org</sub> B and 4500 NH <sub>3</sub> C	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Macro Kjeldahl Method and Titrimetric Method (N/N Org)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- N <sub>org</sub> B and 4500 NH <sub>3</sub> F	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Macro Kjeldahl Method. Phenate Method (LR)	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- NH <sub>3</sub> B & C	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Preliminary Distillation Step and Titrimetric Method (Nitrogen - Ammonia)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- NH <sub>3</sub> F	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Phenate Method (Nitrogen - Ammonia)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- NO <sub>2</sub> - B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Colorimetric Method (Nitrogen - Nitrite)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- NO <sub>3</sub> - D	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Nitrate Electrode Method (Nitrogen - Nitrate)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- NO <sub>3</sub> - E	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Cadmium Reduction Method (Nitrogen - Nitrate)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- O C	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Azide Modification - Oxygen (Dissolved)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- P B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 Sample Preparation for Determination of Phosphorus	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- P C	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Vanadomolybdophosphoric Acid Colorimetric Method (Phosphorus)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- P D	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Stannous Chloride Method (Phosphorus)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- S <sup>2-</sup> D	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Methylene Blue Method (Sulfide)	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- S <sup>2-</sup> F	Standard Methods for the Examination of Water and Wastewater 22nd Edition: 2012 Sulfide - Iodometric Method	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500- SiO <sub>2</sub> C	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Molybdosilicate Method (Silica)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 4500 SO <sub>4</sub> <sup>2-</sup> C	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Sulfate - Gravimetric method	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 5210 B and 4500-O C	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 BOD Test. Determination of Dissolved Oxygen. Biochemical Oxygen Demand - 5-Day	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 5220 D	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Chemical Oxygen Demand (COD) Closed Reflux Colorimetric Method	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 5310 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Total Organic Carbon (TOC), High Temperature Combustion Method	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 5520 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Liquid-liquid Partition Gravimetric Method (Oil and Grease)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 5520 D	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Soxhlet Extraction Method (Oil and Grease)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 5530 B & C	Standard Methods for the Examination of Water and Wastewater 22nd Edition: 2012 Cleanup/Chloroform Extraction Method (Phenol)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 5540 C	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Anionic Surfactants as MBAS (Surfactants)	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Environmental Chemistry - Water and Wastewater	APHA/AWWA 6200 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 Purge and Trap Capillary Column Gas Chromatographic / Mass Spectrophotometric Method (Volatile Organic Compounds)	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 6410 B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017 Liquid-Liquid Extraction Gas Chromatographic / Mass Spectrophotometric Method	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 9260 J	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Legionella	Street 13
Environmental Chemistry - Water and Wastewater	APHA/AWWA 10200 H	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Chlorophyll	Street 13
Environmental Chemistry - Water and Wastewater	ASTM D512 Method B	Standard Test Method for Chloride Ion in Water Method B	Street 13
Environmental Chemistry - Water and Wastewater	ASTM D516	Standard Test Method for Sulfate Ion in Water	Street 13
Environmental Chemistry - Water and Wastewater	ASTM D1252	Standard Test Methods for Chemical Oxygen Demand (Dichromate Oxygen Demand) of Water	Street 13
Environmental Chemistry - Water and Wastewater	ASTM D1498	Standard Test Method for Oxidation Reduction Potential of Water	Street 13
Environmental Chemistry - Water and Wastewater	ASTM D4458	Standard Test Method for Chloride Ion in Brackish water, Seawater, and Brines	Street 13
Environmental Chemistry - Water and Wastewater	ASTM D5176	Total Chemically Bound Nitrogen in water by Pyrolysis and Chemiluminescence Detection	Street 13
Environmental Chemistry - Water and Wastewater	BS 1377-3	Soils for civil engineering purposes: Chemical and Electro-chemical tests. Cl. 5 Determination of the sulphate content of soil and ground water	Street 13
Environmental Chemistry - Water and Wastewater	BS 1377-3	Soils for civil engineering purposes: Chemical and Electro-chemical tests. Cl. 8 Determination of total dissolved solids	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Environmental Chemistry - Water and Wastewater	BS 6068-2.5	Water Quality: Physical, chemical, and Biochemical methods - Determination of pH	Street 13
Environmental Chemistry - Water and Wastewater	BS EN ISO 9963- 1, BS 6068- 2.51	Water quality-Determination of alkalinity-Determination of total and composite alkalinity	Street 13
Environmental Chemistry - Water and Wastewater	METHOD: RT-PCR (GL-LC-SOP-00- 245)	Giardia	Street 13
Environmental Chemistry - Water and Wastewater	METHOD: RT-PCR (GL-LC-SOP-00- 245)	Enteric Virus	Street 13
Environmental Chemistry - Water and Wastewater	SMWW 4500 – SO <sub>4</sub> <sup>2-</sup> E	Determination of Sulphate in Water	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 110.2 -	US EPA - Methods for Chemical Analysis of Water and Wastes Color - Colorimetric Platinum Cobalt	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 110.3	US EPA - Methods for Chemical Analysis of Water and Wastes Color Spectrophotometric	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 120.1	S EPA - Methods for Chemical Analysis of Water and Wastes Conductance Specific Conductance	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 150.1	US EPA - Methods for Chemical Analysis of Water and Wastes pH Electrometric	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 160.1	US EPA - Methods for Chemical Analysis of Water and Wastes Residue Gravimetric Dried at 180C - Filterable	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 160.2	US EPA - Methods for Chemical Analysis of Water and Wastes Gravimetric 103- 105 C (Non- Filterable)	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 160.3	S EPA - Methods for Chemical Analysis of Water and Wastes Residue, Total Gravimetric, Dried at 103-105C	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 160.4	US EPA - Methods for Chemical Analysis of Water and Wastes Volatile Gravimetric Ignition at 150 C	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 180.1	US EPA - Methods for Chemical Analysis of Water and Wastes. Alkalinity Nephelometric	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 215.2	US EPA - Methods for Chemical Analysis of Water and Wastes. Calcium EDTA Titrimetric method	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Environmental Chemistry - Water and Wastewater	US EPA Method 300.1	US EPA - Methods for Chemical Analysis of Water and Wastes Determination of inorganic anions in drinking water by ion chromatography	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 305.1	US EPA - Methods for Chemical Analysis of Water and Wastes Acidity Method 305.1 - Titrimetric	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 310.1 -	US EPA - Methods for Chemical Analysis of Water and Wastes. Alkalinity Titrimetric (pH - 4.5)	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 330.5	US EPA - Methods for Chemical Analysis of Water and Wastes Total Residual - Spectrophotometric DPD	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 340.1	US EPA - Methods for Chemical Analysis of Water and Wastes Fluoride SPADNS method	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 350.2 -	US EPA - Methods for Chemical Analysis of Water and Wastes. Nitrogen Ammonia Titrimetric Distillation Procedure	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 351.3	US EPA - Methods for Chemical Analysis of Water and Wastes Nitrogen Total, Kjeldahl Colorimetric, Titrimetric, or Potentionmetric	Street 13
Environmental Chemistry - Water and Wastewater	US EPA - Methods for Chemical Analysis of Water and Wastes Nitrite Method 354.1	Spectrophotometric	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 360.2	US EPA - Methods for Chemical Analysis of Water and Wastes. Oxygen -Dissolved Modified Winkler (Full Bottle Technique)	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 375.4	US EPA - Methods for Chemical Analysis of Water and Wastes Sulfate Turbidimetric	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 420.1	US EPA - Methods for Chemical Analysis of Water and Wastes Spectrophotometric Manual 4-AAP with distillation (Phenolic, Total Recoverable)	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 425.1	US EPA - Methods for Chemical Analysis of Water and Wastes Methylene Blue Active Substances (MBAS) Colorimetric	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 1664, Revision A	US EPA - Methods for Chemical Analysis of Water and Wastes. N- Hexane Extractable Material (HEM;	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
		Oil and Grease) and Silica Gel Treated N-Hexane Extractable Material (SGTHEM; Non-polar Material) by Extraction and Gravimetry	
Environmental Chemistry - Water and Wastewater	US EPA Method 3060A and 7196A	US EPA -Methods for Chemical Analysis of Water and Wastes Chromium, Hexavalent (Colorimetric)	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 3510C / 8270 D	US EPA - Methods for Chemical Analysis of Water and Wastes Semi- Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 5030/5035/8260C	US EPA - Methods for Chemical Analysis of Water and Wastes 5030 Purge and Trap for Aqueous Sample / Closed System Purge and Trap and Extraction for Volatile Organics in Soil and Waste Sample/ Trihalomethane in water	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 5030 C / 8260 C	US EPA – Methods for Chemical Analysis of Water and Wastes. Purge and Trap for Aqueous Sample/ BTEX in water - Volatile Organic Compounds by Gas Chromatography/ Mass Spectrometry (GC/MS)	Street 13
Environmental Chemistry - Water and Wastewater	US EPA Method 9060A	US EPA - Methods for Chemical Analysis of Water and Wastes Total Organic Carbon	Street 13
Environmental Chemistry - Water, Wastewater - Organics	US EPA Method 8015C	US EPA - Methods for Chemical Analysis of Water and Wastes Nonhalogenated Organics by Gas Chromatography (GC- FID)	Street 13
Environmental Chemistry - Water, Wastewater - Organics	US EPA Method 8041A	US EPA - Methods for Chemical Analysis of Water and Wastes Phenols by Gas Chromatography	Street 13
Environmental Chemistry - Water, Wastewater - Organics	US EPA Method 8260 C	US EPA - Methods for Chemical Analysis of Water and Wastes Volatile Organic Compounds by Gas Chromatography/ Mass Spectrometry (GC/MS)	Street 13
Environmental Chemistry - Water, Wastewater - Organics	US EPA Method 8270D	US EPA - Methods for Chemical Analysis of Water and Wastes Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) and GC-FID	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Environmental Chemistry - Water, Wastewater - Organics	US EPA Method 8270D/3510C	US EPA - Methods for Chemical Analysis of Water and Wastes. Organochlorine Pesticides by Gas Chromatography	Street 13
Environmental Chemistry - Water, Wastewater - Organics	US EPA Method 9065	US EPA - Methods for Chemical Analysis of Water and Wastes Phenolics (Spectrophotometric, Manual 4-AAP With Distillation)	Street 13
Environmental Chemistry - Water and Wastewater, Sediment, Soil, and Sludge - Metals	US EPA Method 6010C	US EPA – Methods for Chemical Analysis of Water and Wastes Revision 3 February 2007 Inductively Coupled Plasma – Atomic Emission Spectrometry Al, Ba, Be, B, Cd, Cr, Cu, Co, Ca, Fe, Pb, Li, Mg, Mo, Ni, Zn, Sb, As, Hg, K, Se, Si, Ag, Na, Sr, Tl, Sn, Ti, V, W	Street 13
Fly Ash/Microsilica/ GGBS/ Admixture	ASTM C114	Standard Test Methods for Chemical Analysis of Hydraulic Cements Silicon Dioxide-Reference Test Method Cl. 8	Street 13
Fly Ash/Microsilica/ GGBS/ Admixture	ASTM C114	Standard Test Methods for Chemical Analysis of Hydraulic Cements Ammonium Hydroxide Group-Reference Test Method Cl. 9	Street 13
Fly Ash/Microsilica/ GGBS/ Admixture	ASTM C114	Standard Test Methods for Chemical Analysis of Hydraulic Cements Zinc Oxide-Reference Test Method Cl. 13)	Street 13
Fly Ash/Microsilica/ GGBS/ Admixture	ASTM C114	Standard Test Methods for Chemical Analysis of Hydraulic Cements Calcium Oxide-Reference Test Method Cl. 15	Street 13
Fly Ash/Microsilica/ GGBS/ Admixture	ASTM C114	Standard Test Methods for Chemical Analysis of Hydraulic Cements Magnesium Oxide- Reference Test Method Cl. 16	Street 13
Fly Ash/Microsilica/ GGBS/ Admixture	ASTM C114	Standard Test Methods for Chemical Analysis of Hydraulic Cements - Sulfur Cl. 17	Street 13
Fly Ash/Microsilica/ GGBS/ Admixture	ASTM C114	Standard Test Methods for Chemical Analysis of Hydraulic Cements – Chloroform-Soluble Organic Substances-Reference Test Method Cl.22	Street 13
Fly Ash/Microsilica/ GGBS/ Admixture	ASTM C311/C311M, Cl 10, Cl 11, Cl 12	Standard Test Methods for Sampling and Testing Fly Ash or Natural Pozzolans for Use in Portland-Cement Concrete Moisture content, Cl 10 Chemical	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
		Analysis Cl. 11, 12 Moisture Content	
Fly Ash/Microsilica/ GGBS/ Admixture	ASTM C494/C494M Cl 18.2, Cl 18.4	Standard specification for Chemical Admixtures for Concrete, Cl 18.2 Residue by Oven Drying (Liquid Admixtures), Cl 18.4 Relative Density (Specific Gravity) (Liquid Admixtures)	Street 13
Fly Ash/Microsilica/ GGBS/ Admixture	ASTM C618	Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete	Street 13
Fly Ash/Microsilica/ GGBS/ Admixture	ASTM C1240 Cl 16	Standard Specification for Silica Fume Used in Cementitious Mixtures, Cl 16 Accelerated Pozzolanic Strength Activity Index with Portland Cement	Street 13
Fly Ash/Microsilica/ GGBS/ Admixture	ASTM E70	Standard Test Method for pH of Aqueous solutions with the glass electrodes	Street 13
Fly Ash/Microsilica/ GGBS/ Admixture	BS EN 450-1	Fly ash for concrete-Definition, specifications and conformity criteria	Street 13
Fly Ash/Microsilica/ GGBS/ Admixture	BS EN 480-8	Admixture for concrete, mortar and grout - Test Methods Part 8; Determination of the conventional dry material content	Street 13
Fly Ash/Microsilica/ GGBS/ Admixture	BS EN 480-10	Admixture for concrete, mortar and grout - Test Methods Part 10: Method 1 Determination of water soluble chloride content	Street 13
Fly Ash/Microsilica/ GGBS/ Admixture	BS EN 15167-1	Ground granulated blast furnace slag for use in concrete, mortar and grout. Definitions, specifications and conformity criteria Annex A: Method for determining the moisture content of granulated blast furnace slag	Street 13
Garnet	ISO 11127-3: (E)	Preparation of steel substrates before application of paints and related products - Test Methods for non metallic blast-cleaning abrasives- Part 3: Determination of apparent density	Street 13
Garnet	ISO 11127-4 (E)	Preparation of steel substrates before application of paints and related products- Test methods for non-metallic blast-cleaning abrasives-Part 4: Assessment of hardness by a glass slide test	Street 13

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Garnet	ISO 11127-5 (E)	Preparation of steel substrates before application of paints and related products - Test Methods for non metallic blast-cleaning abrasives- Part 5: Determination of Moisture	Street 13
Garnet	ISO 11127-6 (E)	Preparation of steel substrates before application of paints and related products - Test Methods for non metallic blast-cleaning abrasives- Part 6: Determination of water soluble contaminants by conductivity measurement	Street 13
Geotechnical	ASTM C1353/C1353M	Standard Test Method for Abrasive Resistance of Dimension Stone Subjected to Foot Traffic using a Rotary Platform, Double Head Abraser	Street 13
Geotechnical	ASTM D3967	Standard Test Method for Splitting Tensile Strength of Intact Rock Core Specimens	Street 13
Geotechnical	ASTM D4543	Standard Practices for Preparing rock core as cylindrical test specimens and verifying conformance to dimensional and shape tolerances	Street 13
Geotechnical	ASTM D7012	Standard Test Methods for Compressive Strength and elastic moduli of intact rock core specimens under varying stress and temp-Test D - Method D: Elastic Moduli of Intact Rock Core Specimens in Uniaxial Compression.	Street 13
Geotechnical	ASTM D7625	Standard Test Method for Laboratory determination of abrasiveness of rock using the cerchar method	Street 13
Geotechnical	ASTM G57	Standard Test Method for Field measurement of Soil Resistivity Using the Wenner Four Electrode Method	Street 13
Geotechnical	BS 1377-3	Soils for civil engineering purposes: Chemical and Electro-chemical tests Cl. 6.3 Determination of the carbonate content (Rapid titration method)	Street 13
Geotechnical	BS 1377-3	Soils for civil engineering purposes: Chemical and Electro-chemical tests Determination of the chloride	Street 13

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		content (Cl. 7.2 Determination of water- soluble chloride content)	
Geotechnical	BS 1377-3	Soils for civil engineering purposes: Chemical and Electro-chemical tests Determination of the chloride content (Cl. 7.3 Determination of acid-soluble chloride content)	Street 13
Geotechnical	BS 1377-3	Soils for civil engineering purposes: Chemical and Electro-chemical tests Cl. 9.5 Determination of the pH value (Electrometric method of pH determination)	Street 13
Geotechnical	BS 1377-5	Soils for civil engineering purposes: Compressibility, permeability, and durability tests. Cl. 3 Determination of the one-dimensional consolidation properties	Street 13
Geotechnical	BS 1377 Part 7	Soils for civil engineering purposes: Shear Strength test (Total Stress). Cl. 8 Determination of the undrained shear strength in triaxial compression without measurement of pore pressure (definitive method)	Street 13
Geotechnical	BS 1377-9	Soils for civil engineering purposes: In Situ Tests. Cl. 3.3 Determination of the penetration resistance using the split-barrel sampler (the standard penetration test SPT)	Street 13
Geotechnical	BS 1377-9	Soils for civil engineering purposes: In Situ Tests. Cl. 4.1 Determination of the vertical deformation and strength characteristics of soil by the plate loading test	Street 13
Geotechnical	BS 1377-9	Soils for civil engineering purposes: In Situ Tests. Cl. 4.3 Determination of the in-situ California Bearing Ratio (CBR)	Street 13
Geotechnical	BS 5930-A2	Code of Practice for Site Investigations Procedure Cl. 6	Street 13
Geotechnical	BS 5930-A2	Code of Practice for Site Investigations Sampling the ground Cl. 22	Street 13
Geotechnical	BS 5930-A2	Code of Practice for Site Investigations Groundwater Cl. 23	Street 13
Geotechnical	BS 5930-A2	Code of Practice for Site Investigations Tests in boreholes Cl. 25	Street 13
Geotechnical	BS 5930-A2	Code of Practice for Site Investigations Pumping Test Cl. 27	Street 13

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Geotechnical	BS 5930-A2	Code of Practice for Site Investigations Reports Cl. 47	Street 13
Geotechnical	ISRM 1978	ISRM 1978 (2007 Edition) Page 91 Determination of Hardness and Abrasiveness of Rock	Street 13
Geotechnical	ISRM 1978	ISRM 1978 (2007 Edition) Cl. 3 Laboratory testing of Rock Swelling ISRM Part 2 (1999-2006) p 295	Street 13
Geotextile	ASTM D4355	Deterioration of Geotextiles by Exposure to Light, Moisture, and Heat in a UV light Apparatus	Street 13
Geotextile	ASTM D4533	Trapezoid Tearing Strength of Geotextiles	Street 13
Geotextile	ASTM D4632	Grab Breaking Load and Elongation of Geotextiles	Street 13
Geotextile	ASTM D5034	Breaking Strength and Elongation of Textile Fabrics (Grab Test)	Street 13
Geotextile	ASTM D5035	Breaking Force and Elongation of Textile Fabrics (Strip Method)	Street 13
Geotextile	ASTM D5199	Measuring the Nominal Thickness of Geosynthetics	Street 13
Geotextile	ASTM D5261	Measuring Mass per Unit Area of Geotextiles	Street 13
Geotextile	ASTM D6241	Measuring Static Puncture Strength of Geotextiles and Geosynthetic-Related Products Using a 50 mm Probe	Street 13
Geotextile	BS EN ISO 5084	Textiles. Determination of thickness of textiles and textile products	Street 13
Geotextile	BS EN ISO 11058	Geotextiles and geotextile-related products. Determination of water permeability characteristics normal to the plane, without load	Street 13
Geotextile	BS EN ISO 12236	Geosynthetics. Static puncture test (CBR test)	Street 13
Geotextile	BS EN ISO 12956	Geotextiles and geotextile-related products. Determination of the characteristic opening size	Street 13
Geotextile	BS EN ISO 13433	Geosynthetics. Dynamic perforation test (cone drop test)	Street 13
Geotextile & Waterproofing Test	ASTM E96	Gravimetric Determination of Water Vapor Transmission Rate of Materials	Street 13
Geotextile & Waterproofing Test	ASTM G154	Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Materials	Street 13
Geotextile & Waterproofing Test	BS EN ISO 9863-1	Geosynthetics. Determination of thickness at specified pressures - Single layers	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Geotextile & Waterproofing Test	BS EN ISO 9864	Geosynthetics. Test method for the determination of mass per unit area of geotextiles and geotextile-related products	Street 13
Kerb Stone	BS EN 1340 (E) ANNEX C (Normative)	Measurement of Dimensions of a Single Unit	Street 13
Kerb Stone	BSEN 1340 (E) ANNEX F (Normative)	Measurement of Bending Strength	Street 13
Limestone	ASTM C25	Chemical Analysis of Limestone, Quicklime, and Hydrated Lime - Calcium and Magnesium Oxide-Alternative EDTA Titration Method Cl.31	Street 13
Limestone	ASTM C25	Chemical Analysis of Limestone, Quicklime, and Hydrated Lime Insoluble Matter Including Silicon Dioxide-Optional Perchloric Acid Method Cl. 9)	Street 13
Limestone	ASTM C25	Chemical Analysis of Limestone, Quicklime, and Hydrated Lime - Loss on Ignition Cl. 19	Street 13
Limestone	ASTM C25	Chemical Analysis of Limestone, Quicklime, and Hydrated Lime - Silicon Dioxide Cl. 10	Street 13
Limestone	ASTM C25	Chemical Analysis of Limestone, Quicklime, and Hydrated Lime - Total Sulfur by Sodium Carbonate Fusion Cl. 24	Street 13
Limestone	US EPA Method 6010C	US EPA - Methods for Chemical Analysis of Water and Wastes Revision 3 February 2007 Method 6010C Inductively Coupled Plasma-Atomic Emission Spectrometry (Aluminum Oxide, Ferric Oxide, Titanium Dioxide, Potassium Oxide, Sodium Oxide, and Phosphorus Only	Street 13
Masonry	BS 6073-1	Precast concrete masonry units-Specification for precast concrete masonry units (Compressive Strength)	Street 13
Masonry	BS 6717	Precast, unreinforced concrete paving blocks-Requirements and Test Methods Annex B - Measurement of the dimensions of a single paving block	Street 13
Masonry	BS EN 771-3	Specification for masonry units-Aggregate concrete masonry units-	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
		dense and lightweight aggregates (Water Absorption)	
Masonry Units	BS EN 772-1- 2011+A1:2015	Compressive Strength of Concrete Masonry Blocks	Street 13
Masonry	BS EN 1338	Concrete paving blocks- Requirements and Test Methods- Annex E - Determination of total water absorption	Street 13
Masonry Units	BS EN 1338	Tensile Strength of Paving Blocs Annex F	Street 13
Microbiology	APHA/AWWA 9213E	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Membrane Filter Technique for Pseudomonas aeruginosa	Street 13
Microbiology	APHA/AWWA 9215 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Heterotrophic plate count (pour plate method)	Street 13
Microbiology	APHA/AWWA 9221 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Standard Total Coliform Fermentation Technique (Multiple- Tube Fermentation Technique)	Street 13
Microbiology	APHA/AWWA 9221 E	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Fecal Coliform Procedure (Multiple- Tube Fermentation Technique)	Street 13
Microbiology	APHA/AWWA 9221 F	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Escherichia Coli Procedure Using Fluorogenic Substrate (Multiple- Tube Fermentation Technique)	Street 13
Microbiology	APHA/AWWA 9222 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Membrane Filter Techniques. Standard Total Coliform Membrane Filter Procedure	Street 13
Microbiology	APHA/AWWA 9222 B and 9222 G.2	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Membrane Filter Techniques- Standard Total Coliform Membrane Filter Procedure (Total coliform) &	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
		MF Partition procedures (Escherichia coli)	
Microbiology	APHA/AWWA 9222 D	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Fecal Coliform	Street 13
Microbiology	APHA/AWWA 9223 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Enzyme Substrate Test E. Coli	Street 13
Microbiology	APHA/AWWA 9223 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Enzyme Substrate Test Fecal coliform	Street 13
Microbiology	APHA/AWWA 9223 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Enzyme Substrate Test Total coliform	Street 13
Microbiology	APHA/AWWA 9230 C	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Fecal Enterococcus/Streptococcus Group. Membrane Filter Techniques	Street 13
Microbiology	APHA/AWWA 9230 D	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Fecal Enterococcus/ Streptococcus Group. Fluorogenic Substrate Enterococcus Test	Street 13
Microbiology	APHA/AWWA 9240 D	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Iron and Sulfur Bacteria. Enumerating, Enriching, and Isolating Iron and Sulfur Bacteria	Street 13
Microbiology	APHA/AWWA 9240 D	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Iron and Sulfur Bacteria. Iron Bacteria	Street 13
Microbiology	APHA/AWWA 10750	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Nematological Examination	Street 13
Microbiology	BS EN ISO 16266	Water quality-Detection and enumeration of Pseudomonas aeruginosa-Method by membrane filtration	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Microbiology	BS EN ISO 111731.2	Water quality. Detection and enumeration of Legionella. Direct membrane filtration method for waters with low bacterial counts	Street 13
Microbiology	Laboratory Manual of Parasitological and Bacteriological Techniques	WHO, Laboratory Manual of Parasitological and Bacteriological Techniques/Microscopic Examination (Helminth and Nematode)	Street 13
Microbiology	Laboratory Manual of Parasitological and Bacteriological Techniques	WHO, Laboratory Manual of Parasitological and Bacteriological Techniques/Microscopic Examination (Helminth and Nematode) - Analysis of Wastewater for use in Agriculture	Street 13
Microbiology	Laboratory Manual of Parasitological and Bacteriological Techniques	WHO, Laboratory Manual of Parasitological and Bacteriological Techniques -Nematode Egg/Helminth Ova Section 2.1 The Modified Baillenger Method	Street 13
Microbiology	Manual of Microbiological Methods for the Food and Drinks Industry CCFRA 1.1.1	Manual of Microbiological Methods for the food and drinks Industry 5th Edition Guideline No.43 Standard Plate Count: CCFRA1.1.1:2007 - Total Bacterial Count (TBC) for Swab (Aerobic/ Anerobic)	Street 13
Microbiology	Manual of Microbiological Methods for the Food and Drinks Industry CCFRA 1.1.4	Manual of Microbiological Methods for the food and drinks Industry 5th Edition Guideline No.43 Standard Plate Count: CCFRA 1.1.4: 2003- Total Bacterial Count (Pour Plate Method)	Street 13
NDT	ASTM D7091 / Elcometer Guidelines	Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to Ferrous Metal, Non Magnetic Non Conductive Non Ferrous Metal	Street 13
Paving Flags and Slabs	BS EN 1339 (E) ANNEX E (Normative)	Determination of Total Water Absorption	Street 13
Paving Flags and Slabs	BSEN 1339 (E) ANNEX F (Normative)	Measurement of Bending Strength and Breaking Load	Street 13
Petroleum Products	ASTM D93	Standard Test Methods for Flash Point by Pensky- Martens Closed Cup Tester	Street 13
Petroleum Products	ASTM D95	Standard Test Method for Water in Petroleum Products and Bituminous Materials by Distillation <sup>1</sup>	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Petroleum Products	ASTM D482	Standard Test Method for Ash from Petroleum Products <sup>1</sup>	Street 13
Petroleum Products	ASTM D874	Standard Test Method for Sulfated Ash from Lubricating Oils and Additives	Street 13
Petroleum Products	ASTM D2270	Standard Practice for Calculating Viscosity Index from Kinematic Viscosity at 40 and 100°C	Street 13
Petroleum Products	ASTM D2896	Standard Test Method for Base Number of Petroleum Products by Potentiometric Perchloric Acid Titration	Street 13
Petroleum Products	ASTM D4052	Standard Test Method for Density, Relative Density, and API Gravity of Liquids by Digital Density Meter <sup>1</sup>	Street 13
Petroleum Products	ASTM D4739	Standard Test Method for Base Number Determination by Potentiometric Hydrochloric Acid Titration	Street 13
Petroleum Products	ASTM D6217	Particulate Contamination in Middle Distillate Fuels by Laboratory Filtration <sup>1</sup> , mg/kg	Street 13
Petroleum Products	ASTM D6304	Standard Test Method for Determination of Water in Petroleum Products, Lubricating Oils, and Additives by Coulometric Karl Fischer Titration	Street 13
Petroleum Products	ASTM E2412	Condition Monitoring of In-Service Lubricants by Trend Analysis Using Fourier Transform Infrared (FT-IR) Spectrometry <sup>1</sup>	Street 13
Petroleum Products	IEC 60296	Fluids for electrotechnical applications – Mineral insulating oils for electrical equipment (IEC 60296 Edition 5.0 2020-06, Clause 6.7 Colour and appearance)	Street 13
Petroleum Products	IEC 60296	Fluids for electrotechnical applications – Mineral insulating oils for electrical equipment (IEC 60296 Edition 5.0 2020-06, Annexure A - Method for stray gassing under thermo-oxidative stress)	Street 13
Petroleum Products	IEC 60450	Measurement of the average viscometric degree of polymerization of new and aged cellulosic electrically insulating materials (IEC 60450 Edition 2.1, 2007-07)	Street 13

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Petroleum Products	IEC 60450	Standard Test Method for Measurement of Average Viscometric Degree of Polymerization of New and Aged Electrical Papers and Boards (ASTM D 4243 – 99)	Street 13
Petroleum Products	IP 440	Liquid petroleum products - Determination of contamination in middle distillates	Street 13
Petroleum Products	ISO 2719	Determination of flash point — Pensky-Martens closed cup method	Street 13
Petroleum Products	ISO 3675	Methods of test for petroleum and its products — BS 2000-160: Crude petroleum and liquid petroleum products — Laboratory determination of density — Hydrometer method (ISO 3675:1998)	Street 13
Petroleum Products	ISO 4406-17	Hydraulic fluid power — Fluids — Method for coding the level of contamination by solid particles	Street 13
Petroleum Products	ISO 12185	Methods of test for petroleum and its products. Part 365— Crude petroleum and petroleum products — Determination of density — Oscillating U Tube method (ISO 12185:1996)	Street 13
Road Base	AASHTO T 304	Standard Method of Test for Uncompacted Void Content of Fine Aggregates	Street 13
Rock	ASTM D4644	Standard Test Method for Slake Durability of Shales and weak rock	Street 13
Rock	ASTM D5731	Determination of Point load Index of rock	Street 13
Rock	ASTM D5873	Determination of Rock Hardness by Rebound Hammer	Street 13
Soil	AASHTO T 267-86	Determination of Organic content in soils by loss of ignition	Street 13
Soil	AASHTO T 290-95	Water-soluble sulfate content in soil	Street 13
Soil	AASHTO T 291-94	Water-soluble chloride ion content in soil	Street 13
Soil	APHA/AWWA 4500 N <sub>org</sub> and 4500 NH <sub>3</sub> B	Standard Method s for the examination of water and Wastewater 23rd Edition:2017 Preliminary Digestion Step	Street 13
Soil	APHA/AWWA 4500 N <sub>org</sub> B	Standard Method s for the examination of water and Wastewater 23rd Edition:2017 Nitrogen (Organic) Macro- Kjeldahl Method	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Soil	APHA/AWWA 4500- N <sub>org</sub> B and NH <sub>3</sub> C (TKN)	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Nitrogen (Organic) Macro-Kjeldahl Method (TKN)	Street 13
Soil	APHA/AWWA 4500 NH <sub>3</sub> B and NH <sub>3</sub> C	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Nitrogen (Ammonia) Preliminary Digestion Step and Titrimetric Method	Street 13
Soil	ASTM C702/C702M	Standard Practice for Reducing Samples of Aggregate to Testing Size	Street 13
Soil	ASTM C1580	Standard Test Method for Water Soluble Sulfate in Soil	Street 13
Soil	ASTM D854	Standard Test Methods for Specific Gravity of Soil Solids by Water Pycnometer	Street 13
Soil	ASTM D1140	Standard Test Methods for Determining the Amount of Material Finer than 75- µm (No. 200) Sieve in Soils by Washing	Street 13
Soil	ASTM D1556	Standard Test Method for Density and Unit weight of soil in place by Sand Cone Method	Street 13
Soil	ASTM D1557	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft <sup>3</sup> (2,700 kN-m/m <sup>3</sup> ))	Street 13
Soil	ASTM D1883	Standard Test Method for California Bearing Ratio (CBR) of Laboratory- Compacted Soils	Street 13
Soil	ASTM D2216	Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass	Street 13
Soil	ASTM D2419	Standard Test Method for Sand Equivalent value of Soil and Fine Aggregates.	Street 13
Soil	ASTM D4318	Standard Test Methods for Liquid Limit, Plastic limit, and Plasticity Index of Soils	Street 13
Soil	ASTM D4373	Standard Test Method for Rapid Determination of Carbonate of Soils	Street 13
Soil	ASTM D4429	Standard Test Method for CBR (California Bearing Ratio) of Soils in Place	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Soil	ASTM D4718/D4718M	Standard Practice for Correction of Unit Weight and Water Content for Soils Containing Oversize Particles	Street 13
Soil	ASTM D4944	Standard Test Method for Field Determination of Water (Moisture) Content of Soil by the Calcium Carbide Gas Pressure Tester	Street 13
Soil	ASTM D6913	Standard Test Methods for Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	Street 13
Soil	ASTM D6938	Standard Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods-Shallow Depth	Street 13
Soil	ASTM G200	Standard Test Method for Measurement of Oxidation reduction potential (ORP) of Soil	Street 13
Soil	BS 1377 Part 2	Soils for civil engineering purposes: Classification Tests Cl. 3.2 Determination of Moisture Content. Oven Drying method	Street 13
Soil	BS 1377 Part 2	Soils for civil engineering purposes: Classification. Cl. 4.5 Casagrande apparatus method	Street 13
Soil	BS -1377 Part 2	Soils for civil engineering purposes: Classification Tests. Cl. 5 Determination of Plastic Limit and Plasticity index	Street 13
Soil	BS -1377 Part 2	Soils for civil engineering purposes: Classification Tests. Cl. 9.2 Sieve Analysis of soil by Wet sieving Method	Street 13
Soil	BS 1377 Part 2	Soils for civil engineering purposes: Classification Test Cl. 9.3 Dry sieving method	Street 13
Soil	BS 1377 Part 2	Soils for civil engineering purposes: Classification Test Cl. 9.5 Sedimentation by the hydrometer method	Street 13
Soil	BS 1377 Part 3	Soils for civil engineering purposes: Chemical and Electro-chemical tests. Cl. 3 Determination of Organic Matter content	Street 13
Soil	BS 1377 Part 3	Soils for civil engineering purposes: Chemical and Electro-chemical tests. Cl. 4 Determination of the mass loss of ignition	Street 13
Soil	BS 1377 Part 3	Soils for civil engineering purposes: Chemical and Electro-chemical	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
		tests. Cl. 5 Sub Cl. 5.2 Acid soluble sulphate	
Soil	BS 1377 Part 3	Soils for civil engineering purposes: Chemical and Electro-chemical tests. Clause 5 Determination of the sulphate content of soil and ground water Sub Clause 5.2 Preparation of soil and its acid extract	Street 13
Soil	BS 1377-3	Soils for civil engineering purposes: Chemical and Electro-chemical tests. Cl. 5.3 Preparation of soil and its water extract	Street 13
Soil	BS 1377-3	Methods of test for soils for civil engineering purposes: acid soluble sulfate Clause 7.9	Street 13
Soil	BS 1377-3	Soils for civil engineering purposes: Chemical and Electro-chemical tests. Cl. 9 Determination of the pH value	Street 13
Soil	BS 1377 Part 4	Soils for civil engineering purposes: Compaction related tests Cl. 3.5 Method using 4.5 kg rammer for soils with particles up to medium-gravel size	Street 13
Soil	BS 1377 Part 4	Soils for civil engineering purposes: Compaction related tests. Cl. 3.6 Compaction related Test Method Using 4.5kg rammer	Street 13
Soil	BS 1377 Part 4	Soils for civil engineering purposes: Compaction related tests. Cl. 7 Determination of California Bearing ratio.	Street 13
Soil	BS 1377 Part 7	Soils for civil engineering purposes: Shear Strength test (Total Stress). Cl. 4 Procedure 4.5.4 Determination of shear strength by direct shear (small shear box apparatus). Shearing: single stage tests	Street 13
Soil	BS 1377-9	Soils for civil engineering purposes: In Situ Tests - Cl. 2.1 Sand replacement method suitable for fine- and medium- grained soils (small pouring cylinder method	Street 13
Soil	BS 1377-9	Soils for civil engineering purposes: In Situ Tests Cl. 2.5 Nuclear methods suitable for fine- medium- and coarse- grained soils	Street 13



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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Soil	BS EN 933-8	Tests for geometrical properties of aggregates-Assessment of fines-Sand equivalent test	Street 13
Soil	BS EN 1744-1:2009+A1:2012	Test for Chemical Properties of Aggregates Part 1: Chemical Analysis. Cl. 7 Determination of Water-Soluble Chloride salts using the Volhard method (Reference Method)	Street 13
Soil	BS EN 1744-1:2009+A1:2012	Test for Chemical Properties of Aggregates Part 1: Chemical Analysis. Cl. 10 Determination of Water-Soluble Sulfates	Street 13
Soil	CML 10-97	Standard Method of Test for Determination of California Bearing Ratio	Street 13
Soil	CML 12-97	Dry Density/ Moisture Content Relationship (4.5 kg rammer method)	Street 13
Soil	REF: QCS 2014 (Internal SOP)	Electrical Conductivity in Compost (1:5 Soil-Water Extract)	Street 13
Soil	REF: QCS 2014 / BS EN 1377 Part 3 (Internal SOP)	Chloride in Compost (1:5 Soil-Water Extract)	Street 13
Soil	REF: QCS 2014 / BS EN 1377 Part 3 (Internal SOP)	pH in Compost (1:5 Soil- Water Extract)	Street 13
Soil	Soil chemical methods- Australasia 2A1.2B1	Soil Chemical Methods- Australasia 2A1.2B1	Street 13
Soil	Soil Chemical Methods-Australasia	Electrical Conductivity in Agricultural Soil (Saturation Extract) 14B1	Street 13
Soil	Soil Chemical Methods-Australasia	pH in Agricultural Soil (Saturation Extract) 14C1	Street 13
Soil	Soil Chemical Methods-Australasia	Chlorides in Agricultural Soil (Saturation Extract) 14E1	Street 13
Soil	Soil Chemical Methods-Australasia	Sulphates in Agricultural Soil (Saturation Extract) 14F3	Street 13
Soil	US EPA Method 5035	US EPA – Methods for Chemical Analysis of Water and Wastes Closed-System Purge-and-Trap and Extraction for Volatile Organics In Soil and Waste Samples/ 8260 C Volatile Organic Compounds by Gas Chromatography/ Mass Spectrometry (GC/MS)	Street 13
Soil	US EPA Method 9030B	US EPA - Methods for Chemical Analysis of Water and Wastes	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
		Method 9030B Acid-Soluble and Acid-Insoluble Sulfides: Distillation	
Soil	US EPA Method 9034	US EPA - Methods for Chemical Analysis of Water and Wastes Method 9034 Titrimetric Procedure for Acid- Soluble and Acid Insoluble Sulfides	Street 13
Soil	US EPA Method 9045D	US EPA - Methods for Chemical Analysis of Water and Wastes Method 9045D Soil and Waste pH	Street 13
Soil	US EPA Method 9080	Cation-Exchange Capacity of Soil (Ammonium Acetate)	Street 13
Steel	ASTM E415	Standard Test Method for Analysis of Carbon and Low - Alloy Steel by spark Atomic Emission Spectrometry	Street 13
Steel	BS 4449 2005+A2:09/BS EN ISO 6892-1:09/BS EN 15630-1-10	Tensile, Yield & Elongation of Reinforcement steel Bar/Rebend @20°	Street 13
Steel	BS 4449 2005+A2:09/BS EN ISO 6892-1:09/BS EN 15630-1-10	Tensile, Yield & Elongation of Reinforcement steel Bar/Bend @90°	Street 13
Steel	BS EN 10002-1	Tensile testing of metallic materials. Method of test at ambient temperature	Street 13
Swimming Pool Water	HACH Method 8016 (Low and High Range)	Bromine	Street 13
Swimming Pool Water	HACH Method 8139	Cyanuric Acid	Street 13
Tack Coat/Prime Coat	ASTM D2995	Standard Practice for Estimating Application Rate and Residual Application Rate of Bituminous Distributors	Street 13
Transformer Oil	ASTM D4059	Standard Test Method for Analysis of Polychlorinated Biphenyls in Insulating Liquids by Gas Chromatography (ASTM D4059-00 2010)	Street 13
Transformer Oil	ASTM D5185	Multielement Determination of Used and Unused Lubricating Oils and Base Oils by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES)1	Street 13
Transformer Oil	IEC 60666	Detection and determination of specified additives in mineral insulating oils (Passivator contents and Inhibitor content)	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
Transformer Oil	IEC 61125	Test methods for oxidation stability - Test method for evaluating the oxidation stability of insulating liquids in the delivered state	Street 13
Transformer Oil	IEC 61619	Insulating liquids - Contamination by polychlorinated biphenyls (PCBs) - Method of determination by capillary column gas chromatography	Street 13
Transformer Oil	IEC 62697-1	Test method for quantitative determination of dibenzylsulfide (DBDS)	Street 13
Transformer Oil	US EPA Method 8082A	US EPA - Methods for Chemical Analysis of Water and Wastes Polychlorinated Biphenyls (PCBs) by Gas Chromatography	Street 13
Waterproofing Test	ASTM D543	Evaluating the Resistance of Plastics to Chemical Reagents	Street 13
Waterproofing Test	ASTM D624	Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers	Street 13
Waterproofing Test	ASTM D1004	Tear Resistance (Graves Tear) of Plastic Film and Sheeting	Street 13
Waterproofing Test	ASTM D3767	Rubber—Measurement of Dimensions	Street 13
Waterproofing Test	ASTM D5147 Section 7	Sampling and Testing Modified Bituminous Sheet Material - Load Strain Properties – Section 7. Load Strain Properties	Street 13
Waterproofing Test	ASTM E154 Section 10	Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover - Resistance to Puncture - Section 10 - 10. Resistance to Puncture	Street 13
Waterproofing Test	BS EN 1849-1	Flexible sheets for waterproofing. Determination of mass per unit area - Bitumen sheets for roof waterproofing	Street 13
Waterproofing Test	BS EN 1849-1	Flexible sheets for waterproofing. Determination of thickness - Bitumen sheets for roof waterproofing	Street 13
Waterproofing Test	BS EN 1849-2	Flexible sheets for waterproofing. Determination of mass per unit area - Plastics and rubber sheets for roof waterproofing	Street 13
Waterproofing Test	BS EN 1849-2	Flexible sheets for waterproofing. Determination of thickness -	Street 13

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Category	Standard/ Method No./ Date	Standard Method Title & Section	Location/ Facility
		Plastics and rubber sheets for roof waterproofing	
Waterproofing Test	BS EN 12311-2 Method A	Flexible sheets for waterproofing. Determination of tensile properties - Plastic and rubber sheets for roof waterproofing – Method A Rectangular Type	Street 13
Waterproofing Test / Plastics	ASTM D570	Water Absorption of Plastics	Street 13
Waterproofing Test / Rubber	ASTM D2240	Rubber Property—Durometer Shore 'A' Hardness	Street 13
Waterproofing Test / Self Adhesives	ASTM D1000, Section 46-53	Pressure-Sensitive Adhesive- Coated Tapes Used for Electrical and Electronic Applications- Adhesion Strength to Steel and Backing at room temperature	Street 13

