



Accreditation Scope

AL HOTY STANGER LABORATORY - L.L.C, NAL013
Testing Laboratory, (ISO/IEC 17025:2017)

Plot 9R7B, ICAD 1, Musaffah Abu Dhabi , Abu Dhabi, United Arab Emirates

Issue Date: 21/07/2025
Issue No: 15

Expiry Date: 04/02/2028

Testing Field	Materials/ Products Tested	Type of test/ Test parameter/ Properties measured/Range of measurement	Test Method (Standard, Internal Procedure, Technique)	Permanent lab (P) / Client-site (S)
Construction materials and building	Steel	Steel for the reinforcement of Concrete – Weldable reinforcing steel – Bar, Coil and decoiled product Tensile Test, bend & rebend test.	BS 4449:2005+A3:2016, Cl. 7.2.3 & 7.2.5 (specifications) BS EN ISO 15630-1:2019, Cl. 5-7 BS EN ISO 6892-1:2019	P
Construction materials and building	Steel	Tensile Testing of Steel Products	ASTM A370-24	P
Construction materials and building	Steel	Tensile Testing of Metallic Materials	BS EN ISO 6892-1:2019	P
Construction materials and building	PolyethylenePipes	Tensile Strength and failure mode of butt-fused Joints	ISO 13953:2001/Amd 1 :2020	P
Construction materials and building	Ceramic Tiles	Modulus of rupture and Breaking Strength	BS EN ISO 10545-4:2019	P
Construction materials and building	Ceramic Tiles	Water absorption	*BS EN 10545-3:1997 (Cl. 5.1.1) Boiling Method	P
Construction materials and building	Plastics	Tensile Properties	ASTM D 638-22	P
Construction materials and building	Geosynthetics - Geotextiles	Geosynthetics - Geotextilewide width tensiletest	BS EN ISO 10319:2024	P

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Construction materials and building	Geosynthetics - Geotextiles	Geosynthetics - StaticPuncture Test(CBR TEST)	BS EN ISO 12236:2006	P
Construction materials and building	Geosynthetics - Geotextiles	Characteristic opening size	BS EN ISO 12956:2020	P
Construction materials and building	Geosynthetics - Geotextiles	Mass per unit area	BS EN ISO 9864:2005	P
Construction materials and building	Geosynthetics - Geotextiles	Thickness at specified pressures	BS EN ISO 9863-1:2016/Amd 1 :2019	P
Construction materials and building	Bitumen sheetfor waterproofing	Tensile Properties	DIN EN 12311-1:2000	P
Construction materials and building	Bituminous Sheet Material	Tear Strength	ASTM D 5147/ D5147 M-2018 (Cl. 8) Reapproved 2024	P
Construction materials and building	Water Vapor Retarders	Puncture Resistance (Water vaporretarders)	ASTM E154/E154M- 08a (2019) Cl.10	P
Construction materials and building	Geo Membrane	Determining the Integrity of Non-reinforcedGeomembrane Seams Produced Using Thermo-Fusion Methods (Shear & Peel Test)	ASTM D 6392-2023	P
Construction materials and building	Plastics	Water absorption	ASTM D 570 : 22	P
Construction materials and building	Vulcanized Rubber And Thermoplastic Elastomers	Tension	ASTM D 412:16, Method A (2021)	P

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Construction materials and building	Plastics	Tensile Properties	ISO 527-1:2019	P
Construction materials and building	Plastics films and sheet	Tensile Properties	ISO 527-3:2018	P
Construction materials and building	Thermoplastics pipes	Tensile Properties	ISO 6259-1:2015	P
Construction materials and building	Thermoplastics pipes - PVC-U, PVC-O, PVC-C, PVC-HI	Tensile Properties	ISO 6259-2:2020	P
Construction materials and building	Thermoplastics pipes – Polyolefin pipes	Tensile Properties	ISO 6259-3:2015	P
Construction materials and building	Geotextiles	Grab Breaking Load and Elongation	ASTM D4632/D4632M-15a(2023)	P
Construction materials and building	Plastic film & sheeting	Tear Resistance (Graves Tear)	ASTM D 1004:2021	P
Construction materials and building	Thermoplastic	- Melt mass-flow rate Melt (MFR) and volume flow rate (MVR)	ISO 1133-1:2022	P
Construction materials and building	Aggregates	Flakiness index	BS 812-105.1:1989	P
Construction materials and building	Aggregates	Elongation index	*BS 812-105.2:1990	P

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Construction materials and building	Aggregates	Ten percent fines value	BS 812-111:1990	P
Construction materials and building	Aggregates	Sieve analysis of fines & coarse aggregate	ASTM C136/C136M-19	P
Construction materials and building	Aggregates	Particle density & absorption of coarse & fine aggregate	BS 812-2:1995 (AMD 9195-1996) Part 2: 5.3, 5.4 & 5.5	P
Construction materials and building	Aggregates	Determination of Aggregate Crushing Value	BS 812-110:1990	P
Construction materials and building	Aggregates	Determination of Sand Equivalent	ASTM D 2419-22	P
Construction materials and building	Aggregates	Determination of Clay Lumps & Friable Particles in aggregates	ASTM C142/C142M-17 (2023)	P
Construction materials and building	Aggregates	Soundness of aggregate	ASTM C88/C88M-24	P
Construction materials and building	Aggregates	Los Angeles	ASTM C 131/131M-20	P
Construction materials and building	Aggregates	Drying Shrinkage	*BS 812 -120:1995 BS EN 1367-4:2008	P
Construction materials and building	Aggregates	Determination of Aggregate Impact Value (AIV)	BS 812-112:1990	P

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Construction materials and building	Aggregates	Particle Size Distribution	*BS 812-103.1:1985 BS EN 933-1:2012	P
Construction materials and building	Aggregates	Specific Gravity & Absorption of Coarse Aggregate	ASTM C127-2024	P
Construction materials and building	Aggregates	Specific Gravity & Absorption of Fine Aggregate	ASTM C 128-22	P
Construction materials and building	Aggregates	Standard Method of Test for Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	AASHTO T 176-2022	P
Construction materials and building	Aggregates	Standard Method of Test for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine (ASTM C 131-01)	AASHTO T 96-2022	P
Construction materials and building	Aggregates	Standard Test Method for Sieve Analysis of Glass Spheres-	ASTM D1214 - 10(2020)	P
Construction materials and building	A-Cutback Asphalt(MC 70)	Distillation at Different Temperature	ASTM D402/D402M-24	P
Construction materials and building	Aggregates	Bitumen Extraction – Quantitative Extraction of Bitumen from Bituminous Paving mixture	ASTM D2172/D2172M-24	P
Construction materials and building	Asphalt /Bitumen	Quantitative Extraction of Bitumen from Bituminous Paving mixture	AASHTO T 164:2024	P
Construction materials and building	Asphalt /Bitumen	Softening point of Bitumen(Ring & ball apparatus)	ASTM D 36 /D 36 M -14	P

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Construction materials and building	Asphalt /Bitumen	Penetration of Bituminous Material	ASTM D 5/D5M-20	P
Construction materials and building	Asphalt	Standard Test Method for Theoretical Maximum Specific Gravity and Density of Asphalt Mixtures	ASTM D2041 / D2041M - 19	P
Construction materials and building	B-Bitumen SS1H	Distillation at Different Temperature	ASTM D 6997-20	P
Construction materials and building	Thermoplastic Road Marking Material	Standard Method of Test for Thermoplastic Traffic Line Material- Flowability (Percent Residue)	AASHTO T 250 - 23	P
Construction materials and building	Thermoplastic Road Marking Material	Standard Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus) -- (Thermoplastic Road Marking)	ASTM D36 / D36M - 14(2020)	P
Construction materials and building	Concrete Masonry & Related Units-Paving Blocks	Water absorption & density - Concrete Interlocking Paving Units	ASTM C 140/C140M-2024 A4.5	P
Construction materials and building	Concrete Masonry & Related Units-Paving Blocks	Compressive Strength of Precast, concrete paving blocks	BS 6717-1:1993, Annex B	P
Construction materials and building	Concrete Masonry & Related Units-Paving Blocks	Measurement of dimensions and plan area of Precast concrete paving blocks	BS 6717-1:1993, Annex A	P
Construction materials and building	Fresh Concrete	Sampling	BS EN 12350-1-2019	P / S
Construction materials and building	Fresh Concrete	Density	BS EN 12350-6-2019	P / S

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Construction materials and building	Fresh Concrete	Air Content	BS EN 12350-7-2019	P / S
Construction materials and building	Fresh Concrete	Slump and Temperature	BS EN 12350-2-2019	P / S
Construction materials and building	Concrete	Normal curing of test specimens (20°C method)	*BS 1881-111:1983 AMD. 9387:1997	P
Construction materials and building	Concrete	Density of hardened concrete	*BS 1881-114:1983 AMD 6721:1991	P
Construction materials and building	Concrete	Compressive strength of Concrete cubes	*BS 1881-116:1983 AMD. 6720 :1991	P
Construction materials and building	Concrete	Shape, dimensions and other requirements for specimens and molds	BS EN 12390-1:2021	P
Construction materials and building	Concrete	Making and curing specimens for strength test	BS EN 12390-2:2019	P
Construction materials and building	Concrete	Compressive Strength of Concrete Cube	BS EN 12390-3: 2019	P
Construction materials and building	Concrete	Density of hardened concrete	BS EN 12390-7:2019	P
Construction materials and building	Concrete	Water Absorption of Hardened Concrete	BS 1881-122:2011+A1:2020	P

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Construction materials and building	Concrete	Water Permeability	DIN 1048-5:1991, CI 6.4	P
Construction materials and building	Concrete	Depth of penetration of water underpressure	BS EN 12390-8:2019	P
Construction materials and building	Concrete	Electrical Indication of Concrete ability to resist Chloride ionpenetration	ASTM C 1202-22	P
Construction materials and building	Concrete	Standard Test Method for Abrasion Resistance of Concrete by Sandblasting	ASTM C418 - 20	P
Construction materials and building	Cement	Compressive Strength of hydraulic cementmortar	ASTM C 109/C109M-21	P
Construction materials and building	Cement	Determination of Strength, Flexural Strength	BS EN 196-1:2016, Clause 9.1	P
Construction materials and building	Cement	Determination of Strength, Compressive Strength	BS EN 196-1:2016, Clause 9.2	P
Construction materials and building	Cement	Determination of fineness, Air permeabilitymethod	BS EN 196-6:2018	P
Construction materials and building	Cement	Fineness of Hydraulic Cement by Air-Permeability	ASTM C204-24	P
Construction materials and building	Cement	Methods for testing Cement Determination of setting times soundness Standard consistence test	BS EN 196-3:2016 Clause 5	P

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Construction materials and building	Cement	Determination of setting times: 1- Methods for testing Cement Determination of setting times soundness, setting time test	BS EN 196-3:2016, Cl. 6	P
Construction materials and building	Cement	Time of setting of hydraulic Cement by Vicat Needle	ASTM C 191-21	P
Construction materials and building	Cement	Standard Test Method for Amount of Water Required for Normal Consistency of Hydraulic Cement Paste	ASTM C187-23	P
Construction materials and building	Cement	Methods of testing cement. Determination of setting times and soundness	BS EN 196 - 3:2016. Cl 7	P
Construction materials and building	Soil	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft ³ (2,700 kN-m/m ³))	ASTM D1557 - 21	P
Construction materials and building	Soil	Standard Test Method for California Bearing Ratio (CBR) of Laboratory-Compacted Soils	ASTM D1883 - 21	P
Construction materials and building	Soil	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils	ASTM D4318 - 17e1	P
Construction materials and building	Soil	Standard Test Method for Density and Unit Weight of Soil in Place by Sand-Cone Method	ASTM D1556 / D1556M - 15e1 2024	P
Construction materials and building	Soil	In Situ Density	BS 1377-9:1990, Cl 2.2	P
Construction materials and building	Soil	California Bearing Ratio	BS 1377-2:2022, Cl 15.2	P

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Construction materials and building	Soil	Standard Penetration Test (SPT)	*BS 1377- 9:1990, Cl 3.3	P
Construction materials and building	Soil	Soil Sampling	*BS 1377- 9:1990, Cl 3.3	P
Construction materials and building	Rock	Rotary Core Drilling	BS 5930:2015 +A1:2020, Section 6	P
Construction materials and building	Groundwater	Groundwater Level Measurement	BS 5930:2015+A1:2020, Section: 4	P
Construction materials and building	Groundwater	Groundwater Sampling	BS 5930:2015+A1:2020, Section: 4	P
Construction materials and building	Soil	Dry density - moisture content relationship of soil with medium sized gravel	BS 1377-2:2022, Cl:11.5	P
Construction materials and building	Soil	Dry density- moisture content relationship of soil with coarse sized gravel	BS 1377-2:2022, Cl:11.6	P
Construction materials and building	Soil	Determination of Water Moisture Content of Soil	BS 1377-2:2022, Cl. 4.1/ BS EN 17892-1:2014+A1:2022	P
Construction materials and building	Soil	Particle Size Distribution	BS 1377-2:2022, Cl. 10/ BS EN 17892-4:2016 Cl. 5.2	P
Construction materials and building	Soil	Hydrometer	BS 1377-2:2022, Cl. 10/ BS EN 17892-4:2016 Cl. 5.3	P

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Construction materials and building	Soil	Method for Liquid limit, Plastic Limit & Plasticity Index	BS 1377-2:2022, Cl. 5&6/ BS EN 17892-12+A2:2022, Cl. 5.4, 5.5 & 6.5	P
Construction materials and building	Soil & Rock	Determination of Water Moisture Content of Soil & Rock by Mass	ASTM D 2216-19	P
Construction materials and building	Rock Core	Unconfined Compressive Strength	ASTM D7012-23	P
Construction materials and building	Rock Core	Preparation of Rock Core	ASTM D 4543-19	P / S
Construction materials and building	Rock Core	Core Recovery, TCR, SCR	BS 5930:2015+A1:2020, Cl 36.4.4	P / S
Construction materials and building	Rock Core	Rock Quality Designation	BS 5930:2015+A1:2020	P / S
Construction materials and building	Soil – Rock Core	Soil & Rock description	BS 5930:2015+A1:2020, Cl 33 & 36	P / S
Construction materials and building	Soil – Rock Core	Reporting	BS 5930:2015+A1:2020, Cl 63	P / S
Chemical	Sludge	Moisture content	By difference/ calculation	P
Chemical	Sludge	Electrical Conductivity at 25 °C on water extract	APHA 2510B;24th Ed 2023	P
Chemical	Sludge	pH at 25 °C	APHA 4500 H+B;24th Ed 2023	P
Chemical	Sludge	Total solids	APHA 2540G;24th Ed 2023	P
Chemical	Sludge	Volatile solids	APHA 2540G;24th Ed 2023	P

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Chemical	Sludge	Fixed solid	APHA 2540G;24th Ed 2023	P
Chemical	Water, WasteWater	Langelier Saturation Index (LSI)	By calculation, HACH method 8073, (ISO 10523:2008, ISO 6059:1984, ISO 9963:1994)	P
Chemical	Water, WasteWater	Sodium Absorption Ratio	By Calculation, Agriculture Handbook 60, US Department of Agriculture	P
Chemical	Water, WasteWater	Electrical Conductivity at 25 °C	APHA 2510B;24th Ed 2023	P/S
Chemical	Water, WasteWater	pH at 25 °C	APHA 4500 H+B;24th Ed 2023	P/S
Chemical	Water, WasteWater	Total Suspended Solids (TSS)	APHA 2540D; 24th Ed 2023	P
Chemical	Water, WasteWater	Total Dissolved Solids at 180 °C (TDS)	APHA 2540C; 24th Ed 202	P
Chemical	Water, WasteWater	Oil & Grease	APHA 5520B; 24th Ed 2023	P
Chemical	Water, WasteWater	Bicarbonate (HCO ₃)	APHA 2320B; 24th Ed 2023	P
Chemical	Water, WasteWater	Total Alkalinity to pH 4.5	APHA 2320B; 24th Ed 2023	P
Chemical	Water, WasteWater	Chemical Oxygen Demand (COD)	APHA 5220B & D ; 24th Ed 2023	P
Chemical	Water, WasteWater	Dissolved Oxygen	APHA 4500OC;24th Ed 2023	P
Chemical	Water, WasteWater	Biochemical Oxygen Demand (BOD) (5days @ 20 °C)	APHA 5210B; 24th Ed 2023	P
Chemical	Water, WasteWater	Free chlorine	APHA 4500 Cl G; 24th Ed 2023	P
Chemical	Water, WasteWater	Turbidity	APHA 2130B; 24th Ed 2023	P
Chemical	Water, WasteWater	Barium (Ba)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Cobalt (Co)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Antimony (Sb)	APHA 3120B;24th Ed 2023	P

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Chemical	Water, WasteWater	Vanadium (V)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Aluminum (Al)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Silver (Ag)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Iron (Fe)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Manganese (Mn)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Cadmium (Cd)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Arsenic (As)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Mercury (Hg)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Selenium (Se)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Sodium (Na)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Potassium (K)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Boron (B)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Copper (Cu)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Nickel (Ni)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Zinc (Zn)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Chromium (Cr)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Lead (Pb),	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Beryllium (Be)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Molybdenum (Mo)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Lithium (Li)	APHA 3120B;24th Ed 2023	P
Chemical	Water, WasteWater	Chloride (Cl)	HACH 8113/ 02/2018 Ed 9	P
Chemical	Water, WasteWater	Chloride (Cl)	APHA 4500- Cl ⁻ B;24th Ed 2023	P

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Chemical	Water, WasteWater	Sulphate (SO4)	HACH 8051/ 02/2018/ Ed 2	P
Chemical	Water, WasteWater	Sulphate (SO4)	APHA 4500-SO4-C;24th Ed 2023	P
Chemical	Water, WasteWater	Ammonia-Nitrogen	HACH 8038/04/2017 Ed 9	P
Chemical	Water, WasteWater	Nitrate-Nitrogen	HACH 8039/01/2019 Ed 10	P
Chemical	Water, WasteWater	Phosphate	HACH 8178/01/2014 Ed 9	P
Chemical	Water, WasteWater	Fluoride	HACH 8029/08/2018 Ed 10	P
Chemical	Water, WasteWater	Phosphorus	HACH 8048, HACH 8178, HACH 8114	P
Chemical	Water, WasteWater	Cyanide	HACH 8027	P
Chemical	Water, WasteWater	Color	HACH 8025 /APHA 212024th Ed 2023	P
Chemical	Water, WasteWater	Formaldehyde	HACH 8110	P
Chemical	Water, WasteWater	Odor	APHA 2150A 24th Ed 2023	P
Chemical	Water, WasteWater	Calcium (Ca)	APHA 3120B; 24th Ed 2023	P
Chemical	Water, WasteWater	Calcium (Ca)	APHA 3500 Ca B;24th Ed 2023	P
Chemical	Water, WasteWater	Magnesium (Mg)	APHA 3120B; 24th Ed 2023	P
Chemical	Water, WasteWater	Magnesium (Mg)	APHA 3500Mg B;24th Ed 2023	P
Chemical	Water, WasteWater	Total Hardness as (CaCO3)	APHA 2340C; 24th Ed 2023	P
Chemical	Water, WasteWater	Total Organic Carbon	APHA 5310B;24th Ed 2023	P
Chemical	Water, WasteWater	Total Kjeldahl Nitrogen	APHA 4500 NOrg B; 24th Ed 2023	P
Chemical	Water, WasteWater	Chloride, Sulphate, Bromide, Nitrate, Nitrite, Fluoride, Phosphate	Ion Chromatography APHA 4110 B; 24th Ed 2023	P

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Chemical	Water, WasteWater	Bromate	Ion Chromatography APHA 4110D; 24th Ed 2023 EPA300.0Rev2.1(Aug 1993)	P
Chemical	Water, WasteWater	Benzo(a)Pyrene	EPA 525.2 Rev 2.0 (1995) APHA6440B;24th Ed 2023	P
Chemical	Water, WasteWater	Formaldehyde (HCOH)	APHA 6252 B;24th Ed 2023	P
Chemical	Water, WasteWater	Total petroleum hydrocarbons	AHSL SOP#27/2023	P
Chemical	Dialysis Water	Electrical Conductivity at 25 °C	APHA 2510B;24th Ed 2023	P/S
Chemical	Dialysis Water	Chlorine	APHA 4500;CI G 24th Ed 2023	P
Chemical	Dialysis Water	Fluoride (F ⁻)	APHA 4110B;24th Ed 2023	P
Chemical	Dialysis Water	Nitrate	APHA 4110B;24th Ed 2023	P
Chemical	Dialysis Water	Sulphate (SO ₄)	APHA 4110B;24th Ed 2023	P
Chemical	Dialysis Water	Sodium (Na)	APHA 3120B;24th Ed 2023	P
Chemical	Dialysis Water	Potassium (K)	APHA 3120B;24th Ed 2023	P
Chemical	Dialysis Water	Calcium (Ca)	APHA 3120B;24th Ed 2023	P
Chemical	Dialysis Water	Magnesium (Mg)	APHA 3120B;24th Ed 2023	P
Construction materials and building	Steel	Carbon & Sulfur	ASTM E 1019 -18	P
Construction materials and building	Steel	Manganese	ASTM E 415-21	P
Construction materials and building	Steel	Silicon	ASTM E 415-21	P

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Construction materials and building	Steel	Carbon	ASTM E 415-21	P
Construction materials and building	Steel	Sulfur	ASTM E 415-21	P
Construction materials and building	Steel	Phosphorous	ASTM E 415-21	P
Construction materials and building	Steel	Nickel	ASTM E 415-21	P
Construction materials and building	Steel	Chromium	ASTM E 415-21	P
Construction materials and building	Steel	Vanadium	ASTM E 415-21	P
Construction materials and building	Steel	Nitrogen	ASTM E 415-21	P
Construction materials and building	Steel	Copper	ASTM E 415-21	P
Construction materials and building	Steel	Molybdenum	ASTM E 415-21	P
Construction materials and building	Stainless Steel	Carbon	ASTM E 1086-2022	P

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Construction materials and building	Stainless Steel	Silicon	ASTM E 1086-2022	P
Construction materials and building	Stainless Steel	Manganese	ASTM E 1086-2022	P
Construction materials and building	Stainless Steel	Phosphorous	ASTM E 1086-2022	P
Construction materials and building	Stainless Steel	Sulfur	ASTM E 1086-2022	P
Construction materials and building	Stainless Steel	Nickel	ASTM E 1086-2022	P
Construction materials and building	Stainless Steel	Chromium	ASTM E 1086-2022	P
Construction materials and building	Stainless Steel	Copper	ASTM E 1086-2022	P
Construction materials and building	Stainless Steel	Molybdenum	ASTM E 1086-2022	P
Construction materials and building	Ground Water	pH of Ground Water	BS 1377-3:2018+A1:2021 Cl 12	P
Construction materials and building	Ground Water	Sulphate Content of Ground Water	BS 1377-3:2018+A1:2021 Cl 7.8/7.6	P

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Construction materials and building	Ground Water	Chloride Content of Ground Water	BS 1377-3:2018+A1:2021 Cl 9.2	P
Construction materials and building	Soil	Acid Soluble Sulphate Content of Soil	BS 1377-3:2018+A1:2021 Cl 7.9/7.6	P
Construction materials and building	Soil	Water Soluble Sulphate Content of Soil	BS 1377-3:2018+A1:2021 Cl 7.3/7.6	P
Construction materials and building	Soil	Acid Soluble Chloride Content of Soil	BS 1377-3:2018+A1:2021 Cl 9.3	P
Construction materials and building	Soil	Water Soluble Chloride Content of Soil	BS 1377-3:2018+A1:2021 Cl 9.2	P
Construction materials and building	Soil	pH of Soil	BS 1377-3:2018+A1:2021 Cl 12	P
Chemical	Disinfectants and hand sanitizers	Determination of Alcohol (Ethanol, Methanol, & Isopropanol content in Disinfectants and Sanitizers) by GC-FID	SOP CHEM#17:2020 Rev#02	P
Biological	Water	Detection of Legionella sp	In house validated SOP # 5 for Extraction & SOP # 6A for Detection using RT PCR	P
Biological	Water	Sampling, Detection & Enumeration of Legionella (Matrix A, B & C) & Identification/detection of Legionella pneumophila	BS7592:2022 & ISO 11731: 2017/ SOP-11	P
Biological	Water	Total Aerobic Count	ISO 6222:1999	P
Biological	Water	Enumeration Enterococci	APHA 9230C; 24th Ed 2023 / IDEXX Enterolert	P

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Biological	Water	Enumeration of Pseudomonas aeruginosa	BS EN 16266:2008 / IDEXX Psuedolert	P
Biological	Water	Heterotrophic plate count	CMMEF 60.42; 5th Ed / APHA 9215B, 24th Ed 2023	P
Biological	Water	Enumeration of Total coliform, E.coli	IDEXX Colilert -18, APHA 9223 B; 24th Ed 2023	P
Biological	Water	Fecal coliform	In-house SOP-71 based on IDEXX Colilert -18, APHA 9223 B; 24th Ed 2023	P
Biological	Water	Detection of Salmonella spp.	ISO 19250:2010	P
Biological	Water, Waste Water	Enumeration Escherichia Coli	APHA 9222B & APHA 9221F; 24th Ed 2023	P
Biological	Water, Waste Water	Enumeration Fecal Coliforms	APHA 9221 E.1; 24th Ed 2023	P
Biological	Water, Waste Water	Enumeration Coliforms	APHA 9222B & APHA 9221B – 24th Ed 2023	P
Biological	Waste Water, Sludge	Detection of Helminth Ova	Lab-SOP-70 based on TT322-08, Water research Commission	P
Biological	Swab	Aerobic Plate Count	USFDA BAM Chapter 3; Jan. 2001	P
Biological	Swab	Enumeration of Coliforms	ISO 4832:2006	P
Biological	Swab	Detection of Salmonella	ISO 6579-1:2017 Amd 1:2020	P
Biological	Swab	Detection of Listeria	Reveal Test Kit – Neogen	P
Biological	Swab	Enumeration of Yeast & Mould	CMMEF Chapter 21.5; 5th Ed 2015	P
Biological	Air	Total Bacterial Count (TBC)	In-house SOP-59.2 based on ISO 14698-1	P

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Biological	Air	Yeast & Mould	In-house SOP-59.2 based on ISO 14698-1	P
Biological	Food	Enumeration Vibrio Parahaemolyticus	USFDA BAM Chapter 9; May 2004	P
Biological	Food	Enumeration Yeast & Mould	CMMEF Chapter 21.5; 5th Ed 2015	P
Biological	Food	Detection E.coli 0157:H7	AOAC 2000.14 (20 Hours) 20thEd 2023 (Reveal Test Kit – Neogen Corporation)	P
Biological	Food	Detection Salmonella spp	ISO 6579-1:2017 Amd 1:2020	P
Biological	Food	Enumeration Enterobacteriaceae	ISO 21528-2:2017	P
Biological	Food	Detection Listeria spp	In-house SOP-20 / Reveal Test Kit 2.0 – Neogen	P
Biological	Food	Enumeration of Bacillus Cereus	CMMEF 31.6; 5th Ed 2015	P
Biological	Food	Enumeration Clostridium Perfringens	ISO 15213-2:2023	P
Biological	Food	Anaerobic Colony Count	In house SOP # 12.1	P
Biological	Food	Aerobic Plate Count	USFDA BAM Chapter 3; Jan. 2001	P
Biological	Food	Enumeration Coliforms	ISO 4832:2006	P
Biological	Food	Enumeration Coliforms	CMMEF 9.71 & 9.72; 5th Ed 2015	P
Biological	Food	Enumeration Fecal Coliform	CMMEF 9.81; 5th Ed 2015	P
Biological	Food	Enumeration E.coli	CMMEF 9.91 & 9.92; 5th Ed 2015	P
Biological	Food	Enumeration Staphylococcus aureus	USFDA BAM Chapter 12; Jan 2001	P

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Environment. Health protection. Safety	Indoor AirQuality- AirParticulate	Total Suspended Particulate Matter(TSPM) Respirable Suspended ParticulateMatter (RSPM- PM10, 2.5 & 1) 0.01 to >1000 µg/m3	AHSL SOP AQ 003 (Rev04: 15th Feb 2018) in combination with BS EN 481:1993	P / S
Environment. Health protection. Safety	Indoor AirQuality – Gaseous Pollutants	Sulphur Dioxide (SO2) / < 0.1 to 10 ppm Volatile Organic Compound (VOC) / < 0.005 to 10 ppm Formaldehyde (HCOH) / 20 to 1000 ppb Methane (CH4-LEL) / < 0.01 to 100 % Carbon Monoxide (CO) / < 0.3 to 300 ppm Carbon Dioxide (CO2)/ <1-5000ppm) Oxygen (O2) / < 0.2 to 23 % Ozone (O3)< 0.02 to 1 ppm Ammonia (NH3)< 1 to 15 ppm Hydrogen Sulphide (H2S) / < 0.03 to 10 ppm Temperature / -10 °C to 50 °C Nitrogen Dioxide (NO2) / < 0.02 to 7 ppm Relative Humidity (0 to 90%)	AHSL SOP AQ002 (Rev09: 24th February 2025) in combination with BS EN 60079-29-2:2015	P / S
Environment. Health protection. Safety	Indoor Air Quality - ParticleCount	Classification of air cleanliness by particle concentration RSPM (PM 0.3, 0.5, 1.0, 2.5, 5.0, 10.0) 0.01 to >1000 µg/m3	AHSL SOP AQ005 (Rev03:19th October 2021) in combination with ISO 14644- 1:2015 €	P / S
Environment. Health protection. Safety	Outdoor AirQuality - AirParticulate	Total Suspended Particulate Matter (TSPM) Respirable Suspended Particulate Matter (RSPM PM10) RSPM PM2.5	AHSL SOP AQ001 (Rev06: 10th Feb 2018) in combination with USEPA – eCFR: Title 40 Part 50 & 53: 2011	P / S
Environment. Health protection. Safety	Outdoor AirQuality – Gaseous Pollutants	Ozone (O3) <0.001 to 3 ppm Ammonia (NH3) <0.001 to 10 ppm Hydrogen Sulphide (H2S) <0.003 to 10 ppm Sulphur Dioxide (SO2)< 0.03 to 10 ppm Nitrogen Dioxide (NO2) <0.001 to 0.2 ppm Volatile organic compound (VOC)/ < 0.1 to 15 ppm Carbon monoxide (CO) < 0.04 to 20 ppm Carbon Dioxide (CO2) < 10 to 1500 ppm	AHSL SOP AQ 002 (Rev09 :24th February 2025) in combination with BS EN 60079-29-2:2015	P / S

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Environment. Health protection. Safety	Noise	Ambient / Occupational Noise levels 30 to 140 Db Personal noise exposure 30 to 140 dB	AHSL SOP NT 001 (Rev. 05: 20th Jan 2018) in combination with ISO 1996-2:2017 €-CI 7.5 AHSL SOP NT 001 (Rev05: 20th Jan 2018) in combination with ISO 9612:2009 CI 3.5	P / S
Environment. Health protection. Safety	Flue Gas	Carbon monoxide (CO) < 1 to 1000 ppm Oxides of Nitrogen (NOX) < 0.1 to 500 ppm Oxygen (O2) < 0.01 to 25 %	AHSL SOP SET 001 (Rev07: 09th Nov 2019) in combination with US EPA CTM 034	P / S
Environment. Health protection. Safety	Flue Gas	Sulphur Dioxide (SO2) < 1 to 500 ppm	AHSL SOP SET 001 (Rev07: 09th Nov 2019) in combination with US EPA EMC Method 6C	P / S
Environment. Health protection. Safety	Flue Gas	Carbon dioxide (CO2) < 1 to 20 ppm	AHSL SOP SET 001 (Rev07: 09th Nov 2019) in combination with US EPA EMC Method 3A	P / S
Environment. Health protection. Safety	Stack Emission	Carbon monoxide (CO) < 1 to 1000 ppm	AHSL SOP SET 001 (Rev07: 09th Nov 2019) in combination with US EPA CTM 034	P / S
Environment. Health protection. Safety	Stack Emission	Carbon dioxide (CO2) < 1 to 20 ppm	AHSL SOP SET 001 (Rev07: 09th Nov 2019) in combination with US EPA EMC Method 3A	P / S
Environment. Health protection. Safety	Stack Emission	Oxygen (O2) < 0.01 to 25 %	AHSL SOP SET 001 (Rev07: 09th Nov 2019) in combination with US EPA CTM 034	P / S

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Environment. Health protection. Safety	Stack Emission	Moisture Content	AHSL SOP SET 001 (Rev07: 09th Nov 2019)in combination with US EPA EMC Method 4	P / S
Environment. Health protection. Safety	Stack Emission	Hydrogen Chloride	AHSL SOP SET 001 (Rev07: 09th Nov 2019)in combination with US EPA EMC Method 26	P / S
Environment. Health protection. Safety	Stack Emission	Total Suspended Particles (TSP)	US EPA EMC Method 17	P / S
Environment. Health protection. Safety	Stack Emission	Oxides of Nitrogen (NOX) < 0.1 to 500 ppm	AHSL SOP SET 001 (Rev07: 09th Nov 2019)in combination with US EPA CTM 034	P / S
Environment. Health protection. Safety	Stack Emission	Sulphur Dioxide (SO ₂) < 1 to 500 ppm	AHSL SOP SET 001 (Rev07: 09th Nov 2019)in combination with US EPA EMC Method 6C	P / S
Environment. Health protection. Safety	Stack Emission	Hydrogen Fluoride	AHSL SOP SET 001 (Rev07: 09th Nov 2019)in combination with US EPA EMC Method 26	P / S
Environment. Health protection. Safety	Illuminance	Lux 0 to 50,000 lux	AHSL SOP IT001 (Rev04: 12th Jan 2020) in combination with "Lighting Assessment in the Work Place" by Occupational Safety & Health Branch, Labor Department, UK: 2008	P / S

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Environment. Health protection. Safety	Heat Stress	Wet Bulb Temperature(WBT) : -20 °Cto 60 °C Global Temperature (GT) : -20 °C to 120 °C	AHSL SOP HSM 001 (Rev02: 21st Feb 2018) in combination with ISO 7243:2017 & OSHAD- SF Technical Guideline: Safety in the Heat: Version 3.0, July201	P / S
Environment. Health protection. Safety	Heat Stress	Dry Bulb Temperature (DBT) : - 20 °C to 60 °C	AHSL SOP HSM 001 (Rev02: 21st Feb 2018)in combination with ISO 7243:2017 & OSHAD- SF Technical Guideline: Safety in the Heat: Version 3.0, July 2016	P / S
Environment. Health protection. Safety	Heat Stress	Thermal Work Limit(TWL)	AHSL SOP HSM 001 (Rev02: 21st Feb 2018)in combination with ISO 7243:2017 & OSHAD- SF Technical Guideline: Safety in the Heat: Version 3.0, July 2016	P / S
Environment. Health protection. Safety	Dust VacuumTest	Total Particulate	AHSL SOP AQ 006 (Rev00 : 25th March 2020) in combination with NADCA ACR – 2013	P / S
Environment. Health protection. Safety	Air Validation	Air Pressure Difference test	AHSL SOP AQ005 (Rev03:19th October 2021) ISO 14644-3:2019	P / S
Environment. Health protection. Safety	Air Quality	Odor Monitoring (Hydrogen Sulphide)	AHSL SOP AQ 002 (Rev09 :24th February 2025) BSEN 60079-29-2:2015	P / S
Environment. Health protection. Safety	Air Validation	Airflow Test	AHSL SOP AQ005 (Rev03:19th October 2021) ISO 14644-3:2019	P / S

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Environment. Health protection. Safety	Air Validation	Temperature Test	AHSL SOP AQ005 (Rev03:19th October 2021) ISO 14644-3:2019	P / S
Environment. Health protection. Safety	Air Validation	Humidity Test	AHSL SOP AQ005 (Rev03:19th October 2021) ISO 14644-3:2019	P / S
Chemical	Water - Wastewater	Chlorate	APHA 4110D 24th Ed 2023	P
Chemical	Water - Wastewater	Chlorite	APHA 4110D 24th Ed 2023	P
Chemical	Water - Wastewater	Volatile Organic Compounds (VOCs)Benzene Carbon tetrachloride 1,2- Dichlorobenzene 1,4- Dichlorobenzene 1,2- Dichloroethane cis 1,2- Dichloroethene trans 1,2- Dichloroethene Dichloromethane Ethyl benzene Hexachlorobutadiene Styrene Tetrachloroethene Toluene 1,1,1 Trichloroethane-o-Xylene p-Xylene m-Xylene 1,2 - Dibromo- 3-chloropropane 1,2 – Dibromoethane	SOP-Chemical# 16 basedon EPA 5030-B Rev 2 (Dec 1996)	P
Chemical	Water & Wastewater	1,2 – Dichloropropane 1,3 – Dichloropropane Bromoform Chloroform Bromodichloromethane (BDCM) Dibromochloromethane (BDCM)Trichloroethene ChlorobenzeneVinyl Chloride	SOP-Chemical# 16 basedon EPA 5030-B Rev 2 (Dec 1996)	P
Construction materials and building	Soil / Rock	Multichannel Analysis of Surface Waves (MASW)	SOP/GEO/01/Rev.01/April2022	P
Construction materials and building	Concrete	Flexural Strength of Concrete (Using Simple Beam with Centre point Loading)Using	ASTM C 293/293M-2022	P

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Construction materials and building	Concrete/ PavingBlock	Determining resistance to Salt Attack	AS/NZS 4456.10:2003	P
Construction materials and building	Concrete/ PavingBlock	Tensile Splitting Strength	* BS 6717:2001 Annex E	P
Construction materials and building	Concrete/ PavingBlock	Dimension of Paving Block	BS EN 1338:2003, Incorporating Corrigendum No. 1 (2006) Annex C.2, C.3 & c.5	P
Construction materials and building	Concrete/ PavingBlock	Testing In concrete Cored Specimens , Taking, Examining and testing Compression	BSEN 12504-1(2019)	P
Construction materials and building	Concrete/ PavingBlock	Tensile Splitting	BS EN 1338:2003 Incorporating Corrigendum No. 1 (2006) Annex F	P
Construction materials and building	Concrete/ Kerbstone	Flexural Load	*BS 7263 Part 1:2001 Annex E	P
Construction materials and building	Concrete/ Kerbstone	Concrete Kerb-Water Absorption	BS EN 1340:2003 Incorporating Corrigendum No. 1 (2006) Annex E	P
Construction materials and building	Concrete/ Kerbstone	Abrasion Resistance	BS EN 1339:2003 Incorporating Corrigendum No. 1 (2006) Annex H	P
Construction materials and building	Concrete/ Kerbstone	Abrasion Resistance	BS EN 1338: 2003 Incorporating Corrigendum No. 1 (2006) Annex H	P
Construction materials and building	Concrete/Masonry	Determination of dimension - Masonry blocks	BS 6073 Part 1 1981 Appendix A	P

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Construction materials and building	Concrete/Masonry	Compressive Strength - Masonry Blocks	BS 6073 Part 2 1983 Appendix B	P
Construction materials and building	Concrete/Masonry	Water Absorption and Density - Masonry Blocks	ASTM C 140/C 140M-2024,Annex A1.5	P
Construction materials and building	Concrete/Masonry	Net and Gross dry density - Masonry Blocks	BS EN 772-13:2000	P
Construction materials and building	Concrete/Masonry	Methods of test for masonry units - Determination of dimensions	BE EN 772-16:2011	P
Construction materials and building	Concrete/AAC Block	Compressive Strength of AAC Blocks	BS EN 772-1:2011+A1:2015	P
Construction materials and building	Concrete/AAC Block	Dry Density of AAC blocks	BS EN 772-13 :2000	P
Construction materials and building	Concrete	Tensile Splitting Strength- Cylinder	BS EN 12390-6:2023	P
Construction materials and building	Concrete	Compressive Strength-Cylinder	ASTM C39/C39M-23	P
Construction materials and building	Concrete	Flexural Strength- concrete Beams	BS 1881: Part 118 1983 AMD 6095 1989	P
Construction materials and building	Concrete	Flexural Strength of Concrete (using Simple Beam with Third point Loading)	ASTM C 78/C 78M-2022	P

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Construction materials and building	Concrete	Flexural Strength of Concrete (using Simple Beam with Centre point Loading)	BS EN 12390-5 2019 Annex A	P
Construction materials and building	Reinforcement Steel Bar	Bend Test	* BS 4449:1988 Appendix-C (Withdrawn)	P
Construction materials and building	Epoxy Coated ReinforcementSteel	Epoxy Coating thickness test	ASTM A775/A775M - 22	P/S
Construction materials and building	Epoxy Coated ReinforcementSteel	Epoxy Coating Holiday test	ASTM A775/A775M – 22 & ASTM G62 - 23	P/S
Construction materials and building	Epoxy Coated ReinforcementSteel	Epoxy Coating Bend Flexibility Test	ASTM A775/A775M - 22	P/S
Construction materials and building	Gully Tops and Manhole Tops for Vehicular and pedestrain areas	Load Test	BS EN 124-1 : 2015	P
Construction materials and building	Wrought & Cast Aluminum & Magnesium Alloy Product	Tensile Test	ASTM B557 - 15 (2023)	P
Construction materials and building	Measuring Coating Thickness on Ferrous & Non Ferrous metal	Coating Thickness	ASTM E376 - 19	P/S
Construction materials and building	Hot dip galvanized coatings on fabricated iron and steel articles	Coating Thickness	BS EN ISO 1461 : 2022	P/S
Construction materials and building	Charpy (V-notch) pendulum impacttest of metallic material	Impact Test (Ambient to -20 oC)	BS EN ISO 148-1 : 2016	P

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Construction materials and building	Geotextiles	Static Puncture strength of Geotextiles	ASTM D 6241:22a	P
Construction materials and building	Geotextiles	Mass per Unit area of Geotextiles	ASTM D 5261-10 Reapproved 2024	P
Construction materials and building	Geotextiles	Wide width Tensile test	ASTM D 4595/D4595M-2024	P
Construction materials and building	Plastics	Density	ASTM D 792:2020	P
Construction materials and building	Plastics	Density (Immersion method)	ISO 1183-1(Clause 5.1) :2019	P
Construction materials and building	Plastic Pipes	Dimension	ISO 3126:2005	P
Construction materials and building	Thermoplastic pipes	Heat Reversion (Oven Method)	ISO 2505:2023	P
Construction materials and building	Plastics	Tensile properties	ASTM D 882:2018	P
Construction materials and building	Rubber property	Durometer Hardness (Shore A, Shore D)	ASTM D 2240:15(2021)	P
Construction materials and building	Valcunized rubber and thermoplastic elastomers	Tear Strength	ASTM D 624-00(2020)	P

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Construction materials and building	Waterproofing materials	Mass per unit Area	BS EN 1849-1:2000	P
Construction materials and building	Bituminous membranes	Tear Resistance	ASTM D 4073/D4073M-06(2019) Reapproved 2024	P
Construction materials and building	Bituminous membranes	Thickness	ASTM D 5147/D5147M (Clause 6)-2018 Reapproved 2024	P
Construction materials and building	Waterproofing materials	Thickness	BS EN 1849-1:2000	P
Construction materials and building	Surface	Surface Frictional Properties	ASTM E 303-2022	P
Construction materials and building	Soil	Organic Matter	BS 1377: Part 3: 2018 + A1: 2021 Clause 4	P
Construction materials and building	Soil	Carbonate Content As CO ₂	BS 1377: Part 3: 2018 + A1: 2021 Clause 8.3	P
Construction materials and building	Soil	Carbonate Content As CaCO ₃	BS 1377: Part 3: 2018 + A1: 2021 Clause 8.3/By Calculation	P
Construction materials and building	Soil	Water Soluble Salt	SOP #31 Rev.01 Based on Earth Manual	P
Construction materials and building	Soil	Loss On Ignition	BS 1377: Part 3: 2018 + A1: 2021 Clause 6	P

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Construction materials and building	Soil	Gypsum Content	SOP # 48 Rev.00 Based on BS1377:Part 3:2018+A1:2021 Clause 7.1.1	P
Construction materials and building	Concrete	Acid Soluble Chloride	BS 1881-124: 2015 + A1+ 2021 Clause 12.1	P
Construction materials and building	Concrete	Acid Soluble Sulphate	BS 1881-124: 2015 + A1+ 2021 Clause 12.2	P
Construction materials and building	Aggregate	Acid Soluble Chloride	BSEN 1744-5:2006	P
Construction materials and building	Aggregate	Acid Soluble Sulphate	BS EN 1744-1:2009 +A1:2012 Clause 12	P
Construction materials and building	Aggregate	Organic Impurities	ASTM C40/C40M-20	P
Environment. Health protection. Safety	Water/WasteWater	Tin	APHA 3120 B 24th Ed 2023 (SOP # 32Rev.00)	P
Environment. Health protection. Safety	Water/WasteWater	Sulphide	HACH 8131 07/2021 Edition 7	P
Environment. Health protection. Safety	Water/WasteWater	Phenol	HACH 8047 07/2021 Edition 7	P

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Environment. Health protection. Safety	Water/WasteWater	Temperature	APHA 2550 B 24th Ed 2023	P
Environment. Health protection. Safety	Potable Water	Gross Alpha	ISO 9696:2017	P
Environment. Health protection. Safety	Potable Water	Gross Beta	ISO 9697:2018	P
Chemical	Water	Taste	APHA 2160 24th Ed 2023	P
Chemical	Water/Waste Water	Total Chlorine	HACH 8167	P
Chemical	Water/Waste Water	Chlorine Dioxide	HACH 10126	P
Chemical	Water/Waste Water	Calcium Hardness	APHA 3500 Ca 24th Ed 2023	P
Chemical	Water/Waste Water	Total Dissolved Solids (Ion Summation)	By Calculation based on APHA 1030 E 24th Edition,2023	P
Chemical	Water/Waste Water	Bromine	HACH 8016	P
Chemical	Water/Waste Water	Cyanuric Acid	HACH 8139	P
Chemical	Water/Waste Water	Biochemical Oxygen Demand (BOD)(ATU) (5days @ 20 °C)	APHA 5210 B 24th Edition,2023	P
Chemical	Water/Waste Water	Resistivity	APHA 2510 24th Ed 2023	P
Chemical	Water/Waste Water	Total heavy metals	APHA 3120 B 24th Ed 2023	P
Chemical	Water/Waste Water	Silica	HACH 8185	P
Chemical	Water/Waste Water	Chloramine	HACH 10171	P
Chemical	Water/Waste Water	Thallium	APHA 3120 B 24th Ed 2023	P

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Chemical	Water/Waste Water	Detergents	HACH 8028	P
Chemical	Water/Waste Water	Polycyclic Aromatic Hydrocarbons (PAH)	EPA 8310, 3510 C	P
Chemical	Water/Waste Water	Appearance	APHA 2110 24th Ed 2023	P
Chemical	Polyelfin Pipes and Fittings	Carbon black content	ISO 6964	P
Chemical	Aluminium/Aluminium Alloy	(Al,Si,Fe,Cu,Mn,Mg,Cr,Ni,Zn,Ti,Ag,As,B,Ba,	ASTM E 1251	P
Chemical	Aluminium/Aluminium Alloy	Be,Ca,Cd,Co,Li,Mo,Na,P,Pb,Sb,Sn,Sr,Tl,V)	ASTM E 1251	P
Chemical	Zinc/Zinc Alloys	(Zn,Al,Cd,Cu,Fe,Pb,Mg,Sn,.)	ISO 3815-1:2005(E)	P
Chemical	Copper/Copper Alloys	Cu,Al,Sb,As,Cd,Co,Cu,Fe,Pb,Mn,Ni,P,Si,Sn,Zn	BSEN 15079:2015	P
Chemical	Water/Waste Water	Chromium VI	HACH 8023	P
Chemical	Water/Waste Water	Tetrachloromethane	SOP-Chemical# 16 basedon EPA 5030-B Rev 2 (Dec 1996)	P
Chemical	Water/Waste Water	Solvents	SOP-Chemical# 16 basedon EPA 5030-B Rev 2 (Dec 1996)	P
Chemical	Soil/BioSolid/Sediment	Antimony	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Aluminium	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Arsenic	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Barium	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Beryllium	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Boron	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Calcium	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Cadmium	EPA 6010 D	P

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Chemical	Soil/BioSolid/Sediment	Chromium	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Cobalt	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Copper	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Lead	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Manganese	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Magnesium	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Mercury	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Molybdenum	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Nickel	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Selenium	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Silver	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Sodium	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Thallium	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Tin	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Vanadium	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Zinc	EPA 6010 D	P
Chemical	Soil/BioSolid/Sediment	Benzene	EPA 8260 B, 5035 B	P
Chemical	Soil/BioSolid/Sediment	Ethylbenzene	EPA 8260 B, 5035 B	P
Chemical	Soil/BioSolid/Sediment	Toluene	EPA 8260 B, 5035 B	P
Chemical	Soil/BioSolid/Sediment	Xylenes (aggr.)A	EPA 8260 B, 5035 B	P
Chemical	Soil/BioSolid/Sediment	BTEX	EPA 8260 B, 5035 B	P
Chemical	Soil/BioSolid/Sediment	Polychlorinated Biphenyls	EPA 8260 B, 5035 B	P

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Chemical	Soil/BioSolid/Sediment	Benzo(a)pyrene (BaP)	EPA 8260 B, 5035 B	P
Chemical	Soil/BioSolid/Sediment	Trichloroethylene (TCE)	EPA 8260 B, 5035 B	P
Chemical	Soil/BioSolid/Sediment	Vinyl Chloride (C ₂ H ₃ Cl)	EPA 8260 B, 5035 B	P
Chemical	Soil/BioSolid/Sediment	Total PAHs	EPA 8260 B, 5035 B	P
Chemical	Biosolid	Arsenic	APHA 3120/BSEN 12457/USEPA 1311	P
Chemical	Biosolid	Barium	APHA 3120/BSEN 12457/USEPA 1311	P
Chemical	Biosolid	Cadmium	APHA 3120/BSEN 12457/USEPA 1311	P
Chemical	Biosolid	Chromium	APHA 3120/BSEN 12457/USEPA 1311	P
Chemical	Biosolid	Copper	APHA 3120/BSEN 12457/USEPA 1311	P
Chemical	Biosolid	Mercury	APHA 3120/BSEN 12457/USEPA 1311	P
Chemical	Biosolid	Molybdenum	APHA 3120/BSEN 12457/USEPA 1311	P
Chemical	Biosolid	Nickel	APHA 3120/BSEN 12457/USEPA 1311	P
Chemical	Biosolid	Lead	APHA 3120/BSEN 12457/USEPA 1311	P
Chemical	Biosolid	Antimony	APHA 3120/BSEN 12457/USEPA 1311	P
Chemical	Biosolid	Selenium	APHA 3120/BSEN 12457/USEPA 1311	P

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Chemical	Biosolid	Zinc	APHA 3120/BSEN 12457/USEPA 1311	P
Chemical	Biosolid	Chloride	APHA 4500 CI G/BSEN 12457	P
Chemical	Biosolid	Flouride	HACH 8029/BSEN 12457	P
Chemical	Biosolid	Sulphate	APHA4500/BSEN 12457	P
Chemical	Biosolid	Total Dissolved Solids at 180 °C (TDS)	APHA 2540 D/BSEN 12457	P
Chemical	Biosolid	Dissolved Organic Carbon	APHA 5310 / BSEN 12457	P
Chemical	Biosolid	Oil & Grease	APHA 5520 E 24th Edition 2023	P
Chemical	Biosolid	Total Organic Carbon	MOOPAM- Sedimentology/Walkey Black Method	P
Biological	Food	Vibrio cholrae	BAM May 2004	P
Biological	Food	Listeria monocytogenes	BAM Chapter 10	P
Biological	Food	Campylobacter sp	ISO-10272-1:2017	P
Biological	Water	Cryptospridium	In house SOP # 7 & 16 using Powerchek Real Time PCR kit	P
Biological	Water	Giardia	In house SOP # 7 & 16 using Powerchek Real Time PCR kit	P
Biological	Water	Endotoxin	In house SOP # 86 using Genscript Endotoxin Kit	P
Biological	Water	Detection of Insects, Insect parts, Larvae, Algae, parasites, protozoa& foreign matter	In house SOP # 84 using Microscope	P
END				

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