

Accreditation Scope

Abu Dhabi Laboratory for Material Testing & Quality Control L.L.C, (NAL 096)
Testing Laboratory, (ISO/IEC 17025:2017)

Industrial Mafrq, Abu Dhabi, UAE

Issue Date: 24-08-2020

Expiry Date: 29-09-2021

Issue No: 05

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)
Geotechnical	Soil	Soil penetration test (SPT)	BS 1377-9:1990: Cl.3.3, amd 8264:1995; (<i>Superseded & Withdrawn</i>) ISO 22476-3:2005 +A1:2011	S
		Soil sampling	BS 5930:2015 Cl. 25.3, 25.7	P
		Soil and rock description	BS 5930:2015 & ASTM D2487-17	
		Rock quality designation	BS 5930:2015 Cl. 36	
		Core recovery	BS 5930:2015 Cl. 36	
	Ground water	Ground water level Management	BS 5930:2015 Cl. 52.1 to 52.5	S
		Ground water sampling	BS 5930:2015 Cl. 26.4	P
	N/A	Reporting	BS 5930:2015 Cl. 63	
Chemical	Soil	pH Value of Soil	BS 1377-3:2018 Cl. 12	P
		Acid Soluble Chloride Content of Soil	BS 1377-3:2018; Cl. 9.3	
		Water Soluble Chloride Content of Soil	BS 1377-3:2018; Cl. 9.2	
		Acid Soluble Sulphate Content of Soil	BS 1377-3: 2018 Cl. 7.9/7.6	
		Water Soluble Sulphate Content of Soil	BS 1377-3: 2018 Cl. 7.3/7.6	
	Ground water	Determination of pH Value of Groundwater	BS 1377-3:2018 Cl. 12	P
		Determination of Chloride Content of Ground Water	BS 1377-3:2018; Cl. 9.2.7	
		Determination of Sulphate Content of Ground Water	BS 1377-3:2018 Cl. 7.8 / 7.6	

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Geotechnical	Soil	Particle size distribution	BS EN ISO 17892-4:2016, Cl. 5.2	P
		Determination of water (moisture) content of soil by mass	BS 1377-2:1990, Cl.3.2 Superseded & Withdrawn BS EN ISO 17892-1:2014	
		Determination of water (moisture) content of soil and rock by mass	ASTM D2216-19	
		Liquid limit, plastic limit and plasticity index of soil	ASTM D4318-17e1 BS EN ISO 17892-12:2018, Cl. 5.4, 5.5 & 6.5	
		Hydrometer	BS EN ISO 17892-4:2016, Cl. 5.3	
	Rock	Unconfined Compressive Strength of Rock Core Specimen	ASTM D7012-2014, Method C	P
		Preparation of rock core	ASTM D4543- 19	
Physical	Soil	(Determination of dry density/ moisture content relationship using 4.5Kg rammer for coarse and medium gravel size particles)	BS 1377-4:1990 Cl. 3.5 & 3.6 AMD 13925-2002 & 8259-1995	P
		Determination of In-situ Density by Sand Replacement Method	BS 1377-9:1990, Cl. 2.2 AMD 8264-1995	S
		Method for Density and Unit Weight of Soil in Place by Sand-Cone Method	ASTM D 1556/D1556M-2015	
		Laboratory compaction characteristic of soil using modified effort (MDD/OMC)	ASTM D 1557 - 12e1	P

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Physical	Concrete	Compressive Strength of Concrete Cube	BS EN 12390-3:2019	P
		Testing hardened concrete. Shape, dimensions and other requirements for specimens and moulds	BS EN 12390-1:2012	
		Testing hardened concrete. Making and curing specimens for strength tests	BS EN 12390-2:2019	
		Testing hardened concrete. Density of hardened concrete	BS EN 12390-7:2019	
		Determination of Depth of Penetration of Water under Pressure	BS EN 12390-8:2019	
		Determination of Water Absorption of Concrete	BS 1881-122:2011	
		Standard test method for electrical indication of concrete's ability to resist chloride ion penetration	ASTM C1202-19	
		Compressive Strength of Concrete Core	BS EN 12504-1:2019	P / S
		Nondestructive Measurement of Dry film thickness of applied organic coatings using an ultrasonic coating thickness gauge	ASTM D6132 -13(2017)	

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Physical	Paving Block	Measurement of dimensions and plan area	BS 6717-1:1993 Annex A	P
		Determination of compressive strength	BS 6717-1:1993 Annex B	
		Compressive Strength	ASTM C140 /C140M-17	
		Water Absorption	ASTM C140 /C140M-17	
	Masonry Block	Measurement of dimension	BS 6073-1:1981 Appendix A	P
		Compressive Strength	BS 6073-2:1981 Appendix B	
		Compressive Strength	ASTM C140 /C140M-17	
		Water Absorption	ASTM C140 /C140M-17	
	Kerbstone	Measurement of Dimensions of Precast of Concrete Kerbs	BS 7263-1:1994; Annex. A.3	P
		Transverse Strength of Precast Kerbs	BS 7263-1:1994; Annex. B.2.2	
		Water Absorption	BS 7263-1:1994; Annex. C.2.2	
	Paint	Method for Pull-Off Adhesion Strength of Coatings on Concrete Using Portable Pull-Off Adhesion Testers	ASTM D7234-19	P
	Aggregate	Flakiness index	BS 812-105.1:1989 <i>Superseded & Withdrawn</i>	P
		Elongation index of coarse aggregate	BS 812-105.2:1990 <i>Superseded & Withdrawn</i>	
		Sieve Analysis of fine and coarse Aggregate	ASTM C136 / C136M-14	

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Physical	Asphalt	Bulk specific gravity and density of non-absorptive compacted asphalt mixtures	ASTM D2726/D2726M-19	P
		Marshal stability and flow of asphalt mixtures	ASTM D6927-15	
		Thickness - height of compacted asphalt mixture specimens	ASTM D3549/D3549M-18	
		Quantitative extraction of asphalt binder from asphalt mixtures	ASTM D2172/D2172M-17 (Method A)	
		Sieve analysis of extracted aggregate	ASTM D5444-15	
END				