

Accreditation Scope

**Geoscience Testing Laboratory – Branch 01, NAL 167
Testing Laboratory, (ISO/IEC 17025:2017)**

Manama 7 – Ajman, UAE

Issue Date: 05-10-2021

Expiry Date: 04-10-2024

Issue No:

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)
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Physical	Soil	Determination of In-Situ Density by Sand Replacement Method Using Small and Large Pouring Cylinder	BS 1377-9:1990, AMD 17229:2007, Cl. 2.1 & 2.2	S
		Determination of Water (Moisture) Content of soil sample	BS 1377-2:1990, AMD 9027:1996, Cl. 3.2	P
		Determination of California Bearing Ratio	BS 1377-4:1990, AMD 13925:2002, Cl. 7.2.3	
		Determination of Particle Size Distribution	BS 1377-2:1990, AMD 9027:1996, Cl. 9.2 and 9.3	
		Determination of Dry Density Moisture Content Relationship	BS 1377-4:1990, AMD 13925:2002, Cl. 3.5 and 3.6	
		Determination of Liquid Limit	BS 1377-2:1990, AMD 9027:1996, Cl. 4.3	
		Determination of Plastic Limit and Plasticity Index	BS 1377-2:1990, AMD 9027:1996, Cl. 5.3 and 5.4	
	Aggregate	Determination of Particle Size Distribution - Sieve tests	BS 812-103.1:1985	P
		Relative Density (Specific Gravity) and Absorption of Coarse Aggregate	ASTM C127-15	
		Relative Density (Specific Gravity) and Absorption of Fine Aggregate	ASTM C128-15	
		Determination of Sand Equivalent Value	ASTM D2419-14	

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Physical	Aggregate	Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C131/C131M-20	P
		Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C535-16	
	Concrete	Shape, dimension and other requirements for specimen and moulds	BS EN 12390-1:2012	P
		Making and Curing of specimen for strength test	BS EN 12390-2:2019	
		Compressive strength of test specimens	BS EN 12390-3:2019	
		Density of Hardened Concrete	BS EN 12390-7:2019	
		Determination of Depth of Penetration of Water under Pressure	BS EN 12390-8:2019	
		Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	ASTM C1202-19	
		Determination of Water Absorption of Hardened Concrete	BS 1881 Part 122:2011	
		Determination of Initial Surface Water Absorption of Concrete	BS 1881-208:1996	

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Physical	Steel Rebar	Tensile Strength	BS4449:2005+A3:2016, Cl. 7.2.3, BS EN ISO 15639:2019, Cl. 5, BS EN ISO 6892-1: 2019	P
		Bend Test	BS 4449:1988, Cl. C.1.6.1	
		Bend Performance (Re-Bend Test)	BS4449:2005+A3:2016, Cl. 7.2.5 BS EN ISO 15639:2019, Cl. 7	
END				