

Accreditation Scope

Geoscience Testing Laboratory, NAL 134
Testing Laboratory (ISO/IEC 17025:2017)
Khorfakkan, Al Zubara Industrial Area – Sharjah, UAE

Issue Date: 06/10/2019

Expiry Date: 05/10/2022

Issue No.: 01

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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Material Testing	Soil	Determination of In-Situ Density by Sand Replacement Method using Large Pouring Cylinder	BS 1377-9:1990, Cls. 2.2, AMD 17229:2007	S
		Determination of the vertical deformation and strength characteristics of soil by the plate loading test	BS 1377-9:1990, Cls. 4.1, AMD 17229:2007	
		Determination of Dry Density – Moisture Content Relationship using 4.5kg rammer for coarse and medium gravel size particles	BS 1377-4:1990, Cls. 3.5 & 3.6, AMD 13925:2002	P
		Determination of Particle Size Distribution	BS 1377-2:1990, Cls. 9.2 & 9.3, AMD 9027:1996	
	Determination of California Bearing Ratio	BS 1377-4:1990, Cls.7, AMD 13925:2002		
	Rock	Determination of Particle Size Distribution of Coarse Grading (Rock Armour Grading)	BS EN 13383-2:2013, Cls.5	S
		Determination of Mass Distribution of Light and Heavy Grading (Rock Armour Grading)	BSEN 13383-2:2013, Cls.6	

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	Rock	Determination of the Percentage of Pieces of Armourstone with a length-to-thickness ratio greater than 3 (Length-to-thickness ratio of quarried stone)	BS EN 13383-2:2013, Cls.7	S
		Drop Test Breakage Index	CIRIA SP 83, Appendix A1-A3	
Material Testing	Aggregate	Determination of Particle Size Distribution – Sieving Method	BS EN 933-1:2012, Cls.7	P
		Sieve Analysis of Fine and Coarse Aggregate	ASTM C136/C136M-14	
		Soundness of Aggregate by the use of Sodium Sulphate and Magnesium Sulphate	ASTM C88/C88M-18	
		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 Shell Content in Coarse Aggregate	BS EN 933-7:1998	
		Sand Equivalent Value of Soils and Fine Aggregate	ASTM D2419-14	

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Material Testing	Aggregate	Resistance to Degradation of Small or Large Size Coarse Aggregate by Abrasion and Impact in Los Angeles Machine	ASTM C131-C131M-14 ASTM C535-16	P
		Determination of Resistance to Fragmentation by the Los Angeles Test Method	BS EN 1097-2:2010, Cls.5	
		Determination of Aggregate Crushing Value	BS 812-110:1990	
		Determination of Elongation Index	BS 812:1990, Section 105.2	
		Determination of Flakiness Index	BS 812:1990, Section 105.1 BS EN 933-3:2012	
		Determination of Particle Density and Water Absorption	BS EN 1097-6:2013	
	Concrete Cubes	Method of Normal Curing Test Specimen (20°C Method)	BS 1881-111:1983, AMD 9387:1997	P
		Method of Determination of Density of Hardened Concrete	BS 1881-114:1983, AMD 6721:1991	

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Material Testing	Concrete Cubes	Method of Determination of Compressive Strength of Concrete Cubes	BS 1881-116:1983, AMD 6720:1991	P
		Shape, Dimension and other requirements for specimens and moulds	BS EN 12390-1:2012	
		Making and Curing Specimens for Strength Tests	BS EN 12390-2: 2019	
		Compressive Strength of Test Specimens	BS EN 12390-3: 2019	
		Density of Hardened Concrete	BS EN 12390-7: 2019	
END				