



# Accreditation Scope

GEOSCIENCE TESTING LABORATORY, NAL - 134  
Testing Laboratory, (ISO/IEC 17025:2017)

Geoscience Testing Laboratory Zubara Industrial Area, Dibba Road, Sharjah, UAE, Sharjah, United Arab Emirates

Issue Date: 14/01/2026

Expiry Date: 05/10/2028

Issue No: 135

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	Soil	Determination of In-situ Density by Sand Replacement Method using Large Pouring Cylinder	BS 1377-9:1990, Cl. 2.2, AMD 17229:2007	S
Construction materials and building	Soil	Determination of the vertical deformation and strength characteristics of soil by the plate loading test	BS 1377-9:1990, Cl. 4.1, AMD 17229:2007	S
Construction materials and building	Soil	Determination of Dry Density –Moisture Content Relationship using 4.5 Kg rammer for coarse and medium gravel size particles	BS 1377-2:2022 Cl 11.5 & 11.6,	P
Construction materials and building	Soil	Determination of Particle Size Distribution	BS 1377-2:2022 Cl 10, ISO 17892-4:2016, CL.5.2	P

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Construction materials and building	Soil	Determination of California Bearing Ratio	BS 1377-2:2022 Cl. 15.0,	P
Construction materials and building	Rock	Determination of Particle Size Distribution of Coarse Grading (Rock Armour Grading)	BS EN 13383-2:2019, Cl.5	S
Construction materials and building	Rock	Determination of Mass Distribution of Light and Heavy Grading (Rock Armour Grading)	BS EN 13383-2:2019, Cl.6	S
Construction materials and building	Rock	Determination of the Percentage of Pieces of Armourstone with a length to thickness ratio greater than 3 (Length – thickness ratio of quarried stone)	BS EN 13383-2:2019, Cl.7	S
Construction materials and building	Rock	Drop Test Breakage Index	CIRIA SP 83, Appendix A1-A3	S
Construction materials and building	Aggregate	Determination of Particle Size Distribution – Sieving Method	BS EN 933-1:2012, Cl.7	P

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Construction materials and building	Aggregate	Sieve analysis of Fine and Coarse Aggregate	ASTM C136/C136M-19	P
Construction materials and building	Aggregate	Soundness of Aggregate by the use of Sodium Sulphate and Magnesium Sulphate	ASTM C88/C88M-24	P
Construction materials and building	Aggregate	Relative Density (Specific Gravity) and Absorption of Coarse Aggregate	ASTM C 127 -24	P
Construction materials and building	Aggregate	Relative density (Specific Gravity) and Absorption of Fine Aggregate	ASTM C 128 -22	P
Construction materials and building	Aggregate	Determination of Shell Content in Coarse Aggregate	BS EN 933-7: 1998	P
Construction materials and building	Aggregate	Sand Equivalent Value of Soils and Fine Aggregate	ASTM D2419-22	P

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Construction materials and building	Aggregate	Resistance to Degradation of Small or Large Size Coarse Aggregate by Abrasion and Impact in Los Angeles Machine	ASTM C 131/C131M-20 ASTM C 535-16 (Reapproved 2024)	P
Construction materials and building	Aggregate	Determination of Resistance to Fragmentation by the Los Angeles Test Method	BS EN 1097-2:2020, Cl. 5	P
Construction materials and building	Aggregate	Determination of Aggregate Crushing Value	BS 812- 110:1990	P
Construction materials and building	Aggregate	Determination of Elongation Index	BS 812:1990, Section 105.2	P
Construction materials and building	Aggregate	Determination of Flakiness Index	BS 812:1990, Section 105.1	P
Construction materials and building	Aggregate	Determination of particle shape, flakiness index	BS EN 933-3:2012	P
Construction materials and building	Aggregate	Determination of particle density and water absorption	BS EN 1097-6:2022	P

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Construction materials and building	Concrete Cubes	Method of Normal Curing Test Specimen(20 0 C Method)	BS 1881-111:1983, AMD 9387:1997	P
Construction materials and building	Concrete Cubes	Method of Determination of Density of Hardened Concrete	BS 1881-114:1983, AMD 6721:1991	P
Construction materials and building	Concrete Cubes	Method of determination of Compressive Strength of Concrete cubes	BS 1881-116:1983, AMD 6720:1991	P
Construction materials and building	Concrete Cubes	Shape, Dimension and other requirements for specimens and moulds	BS EN 12390-1:2021	P
Construction materials and building	Concrete Cubes	Making and curing specimens for strength tests	BS EN 12390-2:2019	P
Construction materials and building	Concrete Cubes	Compressive strength of test specimens	BS EN 12390-3:2019	P
Construction materials and building	Concrete Cubes	Density of Hardened Concrete	BS EN 12390-7:2019	P

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Construction materials and building	Soil	Liquid Limit, plastic limit and plasticity Index	BS 1377-2:2022, CI 5.2, CI 6 BS EN ISO 17892-12:2018 Cls. 5.3,5.5&6.5	P
Construction materials and building	Soil	Determination of water content	BS 1377-2:2022, CI 4.1 and BS EN ISO 17892-1:2014+A1:2022	P
Construction materials and building	Durability	Resistance to Chloride Ion Penetration	ASTM C1202:2025	P
Construction materials and building	Durability	Penetration of Water Under Pressure	BS EN 12390-8:2019	P
Construction materials and building	Durability	Water Absorbtion concrete	BS 1881-122:2011+A1:2020	P
Construction materials and building	Durability	Initial Surface Absorption	BS 1881-208:1996	P
<b>END</b>				

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