



SGS Gulf Limited-Dubai Branch, NAL 208 Testing Laboratory, (ISO/IEC 17025:2017)

Jebel Ali Industrial Area 1, Sheikh Complex, Ware House No. 86, Dubai, United Arab Emirates

Issue Date: 27/03/2024 Expiry Date: 26/03/2027

Issue No: 1

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	In-situ tests Sand replacement method suitable for fine, medium and coarse grained soils (large pouring cylinder method)	BS1377 Part 9 Clause 2.2, AMD 17229:2007	Р
Construction materials and building	Soil	Determination of dry density/moisture content relationship: - Method using 4.5 kg rammer for soils with particles up to medium-gravel size - Method using 4.5 kg rammer for soils with some coarse gravel-size particles	BS 1377-2:2022 Clause 11.5 and 11.6	Р
Construction materials and building	Soil	Determination of particle size distribution- Wet sieving method & Dry Sieving Method	BS 1377-2:2022 Clause 10/BS EN 17892-4:2016 Clause 5.2	Р

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Construction materials and building	Soil	Determination of the California Bearing Ratio (CBR)	BS 1377-2:2022 Clause 15	Р
Construction materials and building	Soil	Determination of moisture content- Oven-drying method	BS 1377-2:2022 Clause 4/BS EN 17892- 1:2014+A1:2022	Р
Construction materials and building	Soil	Determination of the liquid limit-Cone penetration method (definitive method)	BS 1377-2:2022 Clause 5 / BS EN 17892- 12:2018+A2:2022, Clause 5.3	Р
Construction materials and building	Soil	Determination of the plastic limit and plasticity index Method for plastic limit- Dervation of plasticity	BS 1377-2:2022 Clause 6/ BS EN 17892- 12:2018+A2:2022, Clause 5.5 and 6.5	Р
Construction materials and building	Aggregate	Determination of particle size distribution. Sieve tests	BS 812 Part 103.1 Test Clause 7.2 and Clause 7.3 , AMD 6003:1989 BS EN 933-1:2012	Р
Construction materials and building	Hardened Concrete	Determination of compressive strength of concrete cubes	BS 1881 Part 116:1983, AMD 6720/ BS EN 12390- 3:2019	Р

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Construction materials and building	Hardened Concrete	Determination of density of hardened concrete	BS 1881 Part 114:1983, AMD 6721/ BS EN 12390-	Р
Construction materials and	Hardened	Testing concrete Method of normal	7:2019 BS 1881 Part	
building	Concrete	curing of test specimens (20°C method)	111:1983, AMD / BS EN 12390-1:2019	Р
Construction materials and building	Hardened Concrete	Testing hardened concrete Shape, dimensions and other requirements for specimens and moulds	BS EN 12390- 1:2021	Р
Construction materials and building	Soil	Methods of test for soils for civil engineering purposes Part 9: Insitu tests In Situ penetration test-Determination of the penetration resistance using the split-barrel sampler (the standard penetration test SPT)	BS 1377 Part 9 Clause 3.3, 5930:2015+A1:2020 Clause 24	P

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Construction materials and building	Soil	Code of practice for site investigations Section 3: Field investigations- Soil Sampling: Light cable percussion boring Split Barrell Sampling	BS 5930:2015+A1:2020 Clause 24.9 and Clause 25	Р
Construction materials and building	Rock	Code of practice for site investigations – Rotary core drilling	BS 5930- 2015+A1:2020 Section 4	Р
Construction materials and building	Soil/Rock	Code of practice for site investigations Section 6: Description of soils and rocks- Soil Description Description of soils Description and classification of rocks Classification of Rock	BS 5930:1999 Section 41 &44 Clark and Walker; BS 5930:2015+A1:2020 Section 33,35 &36	Р
Construction materials and building	Rock	Code of practice for site investigations Rock quality designation; Code of practice for site investigation; Core recovery	BS 5930:2015+A1:2020 Clause 36	Р

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Construction materials and building	Groundwater	Code of practice for site investigations Ground water level measurement • Section 3. Field investigations- Methods of determining groundwater pressures • Section 4. Field tests- Observation wells	BS 5930:2015+A1:2020 Clause 26.4, Clause 52.0 & Clause 63	Р
Construction materials and building	Groundwater	Code of practice for site investigations Section 3. Field investigations- Groundwater samples	BS 5930:2015+A1:2020 Clause 26.4	Р
Construction materials and building	Reporting	Code of Practice for Site Investigations Section 7 Reporting Section 10. Geotechnical Reporting	BS 5930:2015+A1:2020 Section 10	Р

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Construction materials and building	Rock	Standard Test Methods for Compressive Strength and Elastic Moduli of Intact Rock Core Specimens under Varying States of Stress and Temperatures	ASTM D7012-14e1 Method C At Room Temperature	Р
Construction materials and building	Rock	Standard Practices for Preparing Rock Core as Cylindrical Test Specimens and Verifying Conformance to Dimensional and Shape Tolerances	ASTM D4543-19	Р
Construction materials and building	Rock	Determination of Water (Moisture) Content of Soil and Rock by Mass	ASTM D 2216-19	Р
Chemical	Soil	Determination of Acid soluble sulphate content of soil	BS 1377 Part 3 :2018+A1:2021: Sections 7.6 & 7.9.2	Р
Chemical	Soil	Determination of Acid soluble chloride content of soil	BS 1377 Part 3 :2018+A1:2021: Sections 9.3	Р

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Construction materials and building	Soil	water Hydrometer (PSD by Sedimentation Method)	Section 12 BS 1377-2:2022 CI:10-BS EN 17892- 4 2016 CI: 5.3.	Р
Chemical	Groundwater	Determination of the pH value ground	BS 1377 Part 3 :2018+A1:2021:	Р
Chemical	Groundwater	Determination of the sulphate content of ground water	BS 1377 Part 3 :2018+A1:2021: Sections 7.6 & 7.8	Р
Chemical	Groundwater	Determination of the chloride content of ground water	BS 1377 Part 3 :2018+A1:2021 Section 9.2.7	Р
Chemical	Soil	Determination of water soluble sulphate content of soil	BS 1377 Part 3 :2018+A1:2021: Sections 7.6 & 7.3.3	Р
Chemical	Soil	Determination of the water soluble chloride content of soil	BS 1377 Part 3 :2018+A1:2021: Sections 9.2.4 & 9.2.7	Р
Chemical	Soil	Determination of the pH value of Soil	BS 1377 Part 3 :2018+A1:2021: Section 12	Р

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