

# Accreditation Scope

**Basalt Laboratories for Soil Testing, NAL 117**  
**Testing Laboratory, (ISO/IEC 17025:2017)**

**Mussafah M36, Abu Dhabi, UAE**

**Issue Date: 11-03-2020**

**Expiry Date: 10-03-2023**

**Issue No.: 03**

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)
Geo- technical	Soil	Standard Penetration Test (SPT)	BS 1377- 9:1990, Cl. 3.3; (partially replaced, superseded) ASTM D1586 / D1586M - 18	S
		Soil Sampling	BS 5930:2015 Cl. 25.7	
	Ground Water	Ground Water Level Measurement	BS 5930:2015 Cl. 26.1, 26.2 and 26.3	
		Ground Water Sampling	BS 5930:2015 Cl. 26.4	
	Soil & Rock	Soil Description	BS 5930:2015 Cl. 33 and 36 ASTM D 2487-17	P/S
	Rock Cores	Unconfined Compressive Strength	ASTM D 7012-14e1	P
		Rock Quality Designation	BS 5930:2015 Cl. 36.2	P/S
		Core Recovery	BS 5930:2015 Cl. 36.2	P/S
		Preparation of Rock Core	ASTM D 4543-19	P
	Soil & Rock	Reporting	BS 5930:2015 Cl. 63	P
Physical	Soil	Particle Size Distribution	BS 1377-2:1990 Cl. 9.2 & 9.3; (partially replaced, superseded) ASTM D 422-63 (2007); (withdrawn)	P
		Liquid Limit, Plastic Limit and Plasticity Index of Soils	BS 1377-2:1990 Cl. 4.5, 5.3 and 5.4 (partially replaced, superseded)	
		Hydrometer	ASTM D 422-63 (2007); (withdrawn)	
	Soil & Rock	Water (Moisture) Content of Soil and Rock by Mass	ASTM D 2216-19 BS 1377-2:1990 Cl. 3.2	P

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Chemical	Soil	Water Soluble Sulphate Content of Soil	BS 1377-3:2018 Cl. 7.3 & 7.6	P
		Acid Soluble Sulphate Content of Soil	BS 1377-3:2018 Cl. 7.9 & 7.6	
		Water Soluble Chloride Content of Soil	BS 1377-3:2018 Cl. 9.2	
		Acid Soluble Chloride Content of Soil	BS 1377-3:2018 Cl. 9.3	
		pH Value of Soil	BS 1377-3:2018 Cl. 12	
	Ground Water	Sulphate Content of Ground Water	BS 1377-3:2018 Cl. 7.8 & 7.6	P
		Chloride Content of Ground Water	BS 1377-3:2018 Cl. 9.2	
		pH Value of Ground Water	BS 1377-3:2018 Cl. 12	
	<b>END</b>			