

Accreditation Scope

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

Mussafah M36, Abu Dhabi, UAE

Issue Date: 11-07-2021

Expiry Date: 10-03-2023

Issue No.: 04

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 Part 9 Cl. 3.3 AMD 8264:1995	S
	Ground Water	Ground Water Level Measurement	BS 5930:2015 Section 4, Cl. 26.2, 26.3 Section 8 Cl. 52.1 – 52.5 (Cl. 52.5 standpipe piezometer)	
		Ground Water Sampling	BS 5930:2015, Section 4, Cl. 26.4	
	Soil & Rock	Soil and Rock Sampling	BS 5930:2015, Section 4, Cl.25	S
		Soil and Rock Description	BS 5930:2015, Section 6, Cl. 33 & 36	P / S
		Soil Description Classification of Soil for Engineering Purpose (Unified of Soil Classification System)	ASTM D 2487-17 e1	P
	Rock Cores	Unconfined Compressive Strength	ASTM D 7012-14e1	P
		Rock Quality Designation	BS 5930:2015 Section 6, Cl. 36.2	P/S
		Core Recovery	BS 5930:2015 Section 6, Cl. 36.2	P/S
		Preparation of Rock Core	ASTM D 4543-19	P
Physical	Soil	Particle Sieve Distribution	*BS 1377-2:1990, Cl. 9.2 & 9.3, AMD 9027-1996	P
		Particle-Size Analysis of Soils - Hydrometer	*ASTM D 422-63 (2007) e2	P
		Liquid Limit, Plastic Limit and Plasticity Index of Soils	*BS 1377-2:1990, AMD 9027-1996 Cl. 4.5 Casagrande Method 5.3 & 5.4	P

Accreditation Scope

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

Mussafah M36, Abu Dhabi, UAE

Issue Date: 11-07-2021

Expiry Date: 10-03-2023

Issue No.: 04

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)
Physical	Soil & Rock	Water (moisture) Content of Soil and Rock by Mass	ASTM D 2216-19	P
	Soil	Moisture content Oven – drying method	BS 1377-2:1990 Cl. 3.2 AMD 9027-1996	
	Soil & Rock	Reporting	BS 5930:2015, Section 10, Cl.63	
Chemical	Soil	Water Soluble Sulphate Content of Soil	BS 1377-3:2018 Cl.7.2, 7.3 & 7.6	P
		Acid Soluble Sulphate Content of Soil	BS 1377-3:2018 Cl. 7.2, 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. 7.2, 7.8 & 7.6	
		Chloride Content of Ground Water	BS 1377-3:2018 Cl. 9.2	
		pH Value Content of Ground Water	BS 1377-3:2018 Cl. 12	
	END			

* Standards are partially replaced / superseded / withdrawn.