



# Accreditation Scope

## Geolab for Geotechnical Services & Material Testing – Sole Proprietorship L.L.C. NAL 174 Testing Laboratory, (ISO/IEC 17025:2017)

Mussafah, M40 – Abudhabi, UAE

Issue Date: 17-02-2022

Expiry Date: 16-02-2025

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)
Geotechnical	Geotechnical- Soil Investigation using Rotary and Percussion	Determination of the penetration resistance using the split-barrel sampler (Standard penetration test - SPT) Geotechnical investigation and testing — Field Testing (SPT)	BS 1377 Part 9:1990 – AMD 8264:1995, Clause 3.3  BS 5930:2015	S
	Soil	Soil Sampling	BS 5930:2015, Sec. 4, Cl. 25.6	S
		Description of Soils	BS 5930:2015, Sec. 6, Cl. 33	S/P
	Ground Water	Groundwater Sampling	BS 5930:2015, Sec. 4, Cl. 26.4	S
		Groundwater Measurements	BS 5930:2015, Sec. 4, Cl. 26.1 to 26.3 & Sec. 8, Cl. 52.5	S
	Rock	Rock Sampling Rock Core Recovery (RCR)	BS 5930:2015, Sec. 4, Cl. 25.7	S
		Description of Rocks	BS 5930:2015, Sec. 6, Cl. 36	S/P
		Rock Quality Designation (RQD)	BS 5930:2015, Sec. 6, Cl. 36.4	S/P
		Preparation of rock Core	ASTM D4543:19	P
		Unconfined Compressive Strength	ASTM D 7012:2014e1, Method C	
	Soil	Particle Size Distribution (Gradation) of Soils Using Sieve Analysis	ASTM D 6913/D6913M-17	P
		Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	ASTM D 7928 -21e <sup>1</sup>	
		(Liquid Limit, Plastic Limit & Plasticity Index of Soils)	ASTM D 4318 -17e <sup>1</sup>	



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Geotechnical	Soil	Determination of Water (Moisture) Content of soil & Rock sample	ASTM D2216:19	P
	Report	Reporting	BS 5930:2015, Cl. 63, Sec. 10	
Chemical	Soil	Acid Soluble Sulphate Content of Soil	BS 1377-3:2018 Cl. 7.2, 7.6 & 7.9	P
		Water Soluble Sulphate Content of Soil	BS 1377-3:2018 Cl. 7.2, 7.3 & 7.6	
		Sulphate Content of Ground Water	BS 1377-3:2018 Cl. 7.2, 7.6 & 7.8	
		Acid Soluble Chloride Content of Soil	BS 1377-3:2018 Cl. 9.3	
		Water Soluble Chloride Content of Soil	BS 1377-3:2018 Cl. 9.2	
		Chloride Content of Ground Water	BS 1377-3:2018 Cl. 9.2.7	
		pH of Soil	BS 1377-3:2018 Cl. 12	
		pH of Ground Water	BS 1377-3:2018 Cl. 12	
<b>END</b>				