



Accreditation Scope

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

Musaffah, M40 - Abu Dhabi, UAE

Issue Date: 22-10-2023

Expiry Date: 17-02-2025

Issue No: 02

| 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+A1 2020, | S |
| | Soil | Soil Sampling | BS 5930:2015+A1 2020, Sec. 4, Cl. 25.6 | S |
| | | Description of Soils | BS 5930:2015+A1 2020, Sec. 6, Cl. 33 | S / P |
| | Groundwater | Groundwater Sampling | BS 5930:2015+A1 2020, Sec. 4, Cl. 26.4 | S |
| | | Groundwater Measurements | BS 5930:2015+A1 2020, Sec. 4, Cl. 26.1 to 26.3 & Sec. 8, Cl. 52.5 | S |
| | Rock | Rock Sampling Rock Core Recovery (RCR) | BS 5930:2015+A1 2020, Sec. 4, Cl. 25.7 | S |
| | | Description of Rocks | BS 5930:2015+A1 2020, Sec. 6, Cl. 36 | S/P |
| | | Rock Quality Designation (RQD) | BS 5930:2015+A1 2020, Sec. 6, Cl. 36.4 | S/P |
| | | Preparation of rock Core | ASTM D4543:19 | P |
| | Geotechnical | Soil | Unconfined Compressive Strength | ASTM D 7012:2014e1, Method C |
| 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 ¹ | |
| Liquid Limit, Plastic Limit & Plasticity Index of Soil | | | ASTM D 4318 -17e ¹ | |



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| Geotechnical | Soil | Determination of Water (Moisture) Content of soil & Rock sample | ASTM D2216:19 | |
| | Report | Reporting | BS 5930:2015+A1 2020, Cl. 63, Sec. 10 | P |
| Chemical | Soil | Determination of Acid soluble Sulphate content of Soil | BS 1377-3: 2018 + A1: 2021 Cl.7.2 7.6/7.9 | P |
| | | Determination of water-soluble Sulphate content of Soil | BS 1377-3: 2018 + A1: 2021 Cl. 7.2,7.3/7.6 | |
| | | Determination of water soluble Chloride content of Soil. | BS 1377-3: 2018 + A1: 2021 Cl.9.2 | |
| | | Determination of pH Value of soil | BS 1377-3: 2018 + A1: 2021 Cl. 12 | P |
| | | Determination of Acid soluble Chloride content of Soil. | BS 1377-3: 2018 + A1: 2021 Cl.9.3 | |
| | | Determination of Sulphate content of Ground water | BS 1377-3: 2018 + A1: 2021 Clause 7.2; 7.6/7.8 | |
| | | Determination of chloride content of Ground water | BS 1377-3: 2018 + A1: 2021 Cl. 9.2.7 | |
| Determination of pH Value of groundwater | BS 1377-3: 2018 + A1: 2021 C.12 | | | |
| END | | | | |