

**SMARTGEO LABORATORIES - L.L.C - S.P.C, NAL 258**

**Testing Laboratory, (ISO/IEC 17025:2017)**

**Industrial Area, Al Ruwaidat, 122 Khalifa Bin Zayed Al Awwal Street, Warehouse, , Other, United Arab Emirates**

**Issue Date: 02/10/2026**

**Issue No: 1**

**Expiry Date: 01/10/2029**

| Testing Field | Materials/<br>Products<br>Tested | Type of test/ Test<br>parameter/<br>Properties<br>measured/Range<br>of measurement | Test Method (Standard,<br>Internal Procedure,<br>Technique) | Permanent<br>lab (P) /<br>Client-site<br>(S) |
|---------------|----------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------|
| Chemical      | soil                             | Acid soluble<br>sulphate content of<br>soil                                        | BS 1377-3:2018+A1<br>2021-CI 7.9,7.6                        | p                                            |
| Chemical      | Soil                             | Water soluble<br>sulphate content of<br>soil                                       | BS 1377-3:2018+A1<br>2021-CI 7.3,7.6                        | p                                            |
| Chemical      | soil                             | Water soluble<br>chloride content of<br>soil                                       | BS 1377-3:2018+A1<br>2021-CI 9.3                            | p                                            |
| Chemical      | Soil                             | Acid soluble<br>chloride content of<br>soil                                        | BS 1377-3:2018+A1<br>2021-CI 9.2                            | p                                            |
| Chemical      | Soil                             | pH of soil                                                                         | BS 1377-3:2018+A1<br>2021-CI 12                             | p                                            |
| Chemical      | Ground water                     | Sulphate content of<br>ground water                                                | BS 1377-3:2018+A1<br>2021-CI 7.8,7.6                        | p                                            |
| Chemical      | Ground water                     | Chloride content of<br>ground water                                                | BS 1377-3:2018+A1<br>2021-CI 9.2                            | p                                            |
| Chemical      | Ground water                     | pH of ground water                                                                 | BS 1377-3:2018+A1<br>2021-CI 12                             | p                                            |

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification.



Ùþø°Ùþ ø§Ù,,ø°Ùþø§ø-ø© øµø-ø±ø±  
ø¥Ù,,ùføø±ø±ù^ù+ù±ø§Ùþ, ù^Ù,,ø§ ø±øøøøøøø-  
ù,,ø®ø±Ù... ø£ù^ ø±ø^ù,ù§ø¹øœ ø£ù§ Ùføø·  
ø£ù^ ø±øøù§ù§ø± ù§ù ùþø°Ùþ ø§Ù,,ø  
.§°ùþø§øø-ø© ù§ù,,øøù§ùþø

# Accreditation Scope

**SMARTGEO LABORATORIES - L.L.C - S.P.C, NAL 258**

**Testing Laboratory, (ISO/IEC 17025:2017)**

**Industrial Area, Al Ruwaidat, 122 Khalifa Bin Zayed Al Awwal Street, Warehouse, , Other, United Arab Emirates**

**Issue Date: 02/10/2026**

**Issue No: 1**

**Expiry Date: 01/10/2029**

|                                     |                  |                                                                                                             |                                             |   |
|-------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------|---|
| Construction materials and building | Soil & Aggregate | Particle Size Distribution                                                                                  | BS EN ISO 17892-4:2016+A2:2022, Clauses 5.2 | p |
| Construction materials and building | Soil & Aggregate | Water content - Oven Drying Method                                                                          | BS 1377:2022 Part 2 Clause 4.1              | p |
| Construction materials and building | Soil & Aggregate | Determination of dry density/water content relationship-Compaction method using 4.5 kg rammer with 1 L mold | BS 1377 PART 2: 2022; Cls. 11.5             | p |
| Construction materials and building | Soil & Aggregate | Determination of dry density/water content relationship-Method using 4.5 kg rammer with CBR mould           | BS 1377 PART 2: 2022; Cls. 11.6             | p |
| Construction materials and building | Soil             | Determination of water content                                                                              | BS EN ISO 17892-1:2014+A1:2022              | p |
| Construction materials and building | Soil             | Sedimentation by the Hydrometer Method                                                                      | BS EN ISO 17892-4:2016 Cl.5.3               | p |
| Construction materials and building | Soil             | Liquid Limit, Plastic Limit & Plasticity Index of Soil                                                      | ASTM D4318 17e1                             | p |

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification.

[illegible]



# Accreditation Scope

**SMARTGEO LABORATORIES - L.L.C - S.P.C, NAL 258**

**Testing Laboratory, (ISO/IEC 17025:2017)**

**Industrial Area, Al Ruwaidat, 122 Khalifa Bin Zayed Al Awwal Street, Warehouse, , Other, United Arab Emirates**

**Issue Date: 02/10/2026**

**Expiry Date: 01/10/2029**

**Issue No: 1**

|                                     |                             |                                                    |                                               |       |
|-------------------------------------|-----------------------------|----------------------------------------------------|-----------------------------------------------|-------|
| Construction materials and building | concrete                    | Compressive Strength of Test Specimen              | BS EN 12390-3 - 2019                          | p     |
| Construction materials and building | Concrete                    | Density of Hardened Concrete                       | BS EN 12390-7- 2019                           | p     |
| Geotechnical Ground Investigation   | Soil In-Situ Testing        | Standard penetration test (SPT)                    | BS 1377-9:1990 AMD. 8264-1995 clause 3.3      | S     |
| Geotechnical Ground Investigation   | Soil Sampling               | Soil Sampling                                      | BS 5930:2015+A1:2020, Sec. 4 Cl. 24.11 & 25.7 | S     |
| Geotechnical Ground Investigation   | Soil Sampling & Description | Rotary Core Sampling                               | BS 5930:2015+A1:2020, Sec. 4 Cl. 24.11 & 25.7 | S     |
| Geotechnical Ground Investigation   | Ground Water                | Ground Water Level Measurement                     | BS 5930:2015+A1:2020 Section 8, Cl.52         | S     |
| Geotechnical Ground Investigation   | ground water                | Ground Water Sampling                              | BS 5930:2015+A1:2020 sec 4 Cl.26              | S     |
| Geotechnical Ground Investigation   | Rock Sampling & Description | Soil and Rock Description                          | BS 5930:2015+A1:2020 Section 6 Clause 33 & 36 | S / P |
| Geotechnical Ground Investigation   | Rock                        | Compressive Strength of Intact Rock Core Specimens | ASTM D7012-23                                 | p     |
| Geotechnical Ground Investigation   | Report                      | Reporting (Factual)                                | BS 5930:2015+A1:2020, Section 10, Cl 63       | P     |

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification.



Ûþø°Ûþ ðøðÛ,,ø°Ûþðøðø°ð© ðµø°øþø°  
 ø¥Û,,Ûøø°øþþÛ°ÛþþðøðÛþ Û°Û,,øø ø°øøøøøø-  
 Û,,ø°ø°Û... øøÛ° ø°Û°Û,Ûðøøøøøø øøÛð Ûøø°-  
 øøÛ° ø°ø°ÛðÛðøþ Ûðð Ûþø°Ûþ ðøðÛ,,ø  
 ø°Ûþøøøøøøð© ÛðÛ.ø°ÛðÛþø



**SMARTGEO LABORATORIES - L.L.C - S.P.C, NAL 258**  
**Testing Laboratory, (ISO/IEC 17025:2017)**

**Industrial Area, Al Ruwaidat, 122 Khalifa Bin Zayed Al Awwal Street, Warehouse, , Other, United Arab Emirates**

**Issue Date: 02/10/2026**

**Issue No: 1**

**Expiry Date: 01/10/2029**

**END**

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification.

