



UNITED ARAB EMIRATES  
MINISTRY OF INDUSTRY  
& ADVANCED TECHNOLOGY



# شهادة الاعتماد Accreditation Certificate

Conformity Assessment Body's ID: NAL-173

الرمز التعريفي لجهة تقييم المطابقة: NAL-173

MAS Geotechnical & Material Testing laboratory - Sole  
Proprietorship L.L.C.  
Unit No. 6, Sultan Bin Khalifa Building, ICAD 3, Mussafah South,  
Abu Dhabi, UAE, Abu Dhabi, United Arab Emirates

مختبر ماس لفحص التربة والمواد - شركة الشخص الواحد ذ م م  
وحدة رقم 6 ، مبنى سلطان بن خليفة، إيكاد 3، مصفح جنوب، أبو ظبي، الإمارات  
العربية المتحدة، أبو ظبي، الإمارات العربية المتحدة

Accredited according to the International Standard ISO/IEC  
17025<sub>1</sub> to undertake tests as specified in the attached  
Accreditation Scope.

حاصل على الإعتماد لطرق الفحص الواردة في وثيقة المجال المرفقة وفقاً  
للمواصفة الدولية ISO/IEC 17025<sub>1</sub>

Accredited on: 20/01/2025

تاريخ منح الاعتماد: 20/01/2025

Expires on: 19/01/2028

تاريخ الانتهاء: 19/01/2028

1 Accreditation in accordance with the International Standard ISO/IEC  
17025:2017 "General requirements for the competence of testing and calibration  
laboratories" and the relevant ENAS and ILAC requirements.

1 وفقاً لمتطلبات المواصفة الدولية ISO/IEC 17025:2017 "المتطلبات العامة لكفاءة مختبرات  
الفحص والمعايرة" والمتطلبات ذات العلاقة الخاصة بنظام الإعتماد الوطني الإماراتي ENAS والمنظمة  
الدولية لاعتماد المختبرات ILAC.

This certificate is invalid without the attached scope of accreditation, which  
subjected to annual surveillances as per ENAS procedure. Certificate can be  
updated or re-issued until the expiry date defined above. The validity of the  
certificate is subjected to continuous compliance with the requirements of the  
accreditation system. The lab is responsible for the results of its testing.



مجال الاعتماد جزء أساسي من هذه الشهادة حيث تخضع مجالات الاعتماد المذكورة في الوثيقة المرفقة  
لعمليات متابعة لاحقة من قبل نظام الإعتماد الوطني الإماراتي ENAS، وتعتبر هذه الشهادة صالحة وقابلة  
للتحديث وإعادة الاصدار حتى تاريخ الانتهاء المدون اعلاه شريطة استمرار المختبر المذكور اعلاه في  
تطبيق متطلبات نظام الاعتماد سالفة الذكر. يتحمل المختبر مسؤولية نتائج الفحص الصادرة عنه.

This is an electronic certificate and does not require stamp and signature.  
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هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة بلغيتها.

Initial Accreditation Date: 20/01/2022

تاريخ منح الإعتماد لأول مرة: 2022/01/20

هاتف 600565554 TEL ص.ب. P.O.BOX 48666 | أبو ظبي، دبي، الإمارات العربية المتحدة Abu Dhabi, Dubai, United Arab Emirates





# Accreditation Scope

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Issue Date: 12/01/2026

Expiry Date: 19/01/2028

Issue No: 4

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)
Civil engineering	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 Standard penetration test (SPT)	BS 1377 Part 9:1990 – AMD 17229-2007, Clause 3.3 BS 5930:2015 +A1:2020	S
Civil engineering	Soil	Soil Sampling	BS 5930:2015 + A1:2020, Sec. 4, Cl. 25.6	S
Civil engineering	Soil	Description of Soils	BS 5930:2015 +A1:2020, Sec. 6, Cl. 33	S / P
Civil engineering	Ground Water	Groundwater Sampling	BS 5930:2015 +A1:2020, Sec. 4, Cl. 26.4	S

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Civil engineering	Ground Water	Groundwater Measurements	BS 5930:2015 +A1:2020, Sec. 4, Cl. 26.1 to 26.3 & Sec. 8, Cl. 52.3	S
Civil engineering	Rock	Rock Sampling Rock Core Recovery (RCR)	BS 5930:2015 +A1:2020, Sec. 4, Cl. 25.7	S
Civil engineering	Rock	Description of Rocks	BS 5930:2015 +A1:2020, Sec. 6, Cl. 36	S / P
Civil engineering	Rock	Rock Quality Designation (RQD)	BS 5930:2015 +A1:2020, Sec. 6, Cl. 36.4	S / P
Civil engineering	Rock	Preparation of rock Core	ASTM D4543:19	P
Civil engineering	Rock	Unconfined Compressive Strength	ASTM D 7012:2014E1, ASTM D 7012:2023 Method C	P
Civil engineering	Rock	Determination of Water (Moisture) Content of soil & Rock sample	ASTM D2216:19	P
Civil engineering	Soils	Particle Size Distribution Sieving Method	BS EN ISO 17892 – Part 4:2016 Cl. 4.2,5.2 & 6	P

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Civil engineering	Soils	Particle Size Distribution Hydrometer Method	BS EN ISO 17892 – Part 4:2016, Cl. 4.3, 5.3 & 6.2	P
Civil engineering	Soils	Liquid Limit, Plastic Limit and Plasticity Index Casagrande method	BS EN ISO 17892 – Part 12:2018, Cl. 5.4 & 5.5, 6.3, 6.4 & 6.5	P
Civil engineering	Soils	Determination of water content of Soil	BS EN ISO 17892- 1:2014	P
Civil engineering	Soils	Determination of Water (Moisture) Content of soil sample	BS 1377 Part 2:1990 Cl. 3.2 AMD 9027- 1996, BS 1377 Part 2:2022 Cl. 4.1	P
Civil engineering	Report	Reporting	BS 5930:2015+A1:2020, Clause 63 Section 10	P
Physical	Construction Materials	Dry Density/ Moisture Content Relationship Using 4.5Kg rammer for coarse and medium gravel size particles)	BS 1377:1990: Part 4 AMD 13925-2002 Clause 3.5 & 3.6, BS 1377 Part 2:2022 Cl. 11.5, 11.6	P
Physical	Construction Materials	Determination of California Bearing Ratio (CBR)	BS 1377-4:1990 AMD. 13925 -02, Cl. 7.0, BS 1377 Part 2:2022 Cl. 15	P

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Physical	Construction Materials	Determination of Water (Moisture) Content of soil sample	BS 1377 Part 2:1990 AMD 9027-1996 Clause 3.2	P
Chemical	Soil	Acid Soluble Sulphate Content of Soil -	BS 1377-3:2018 + A1:2021 Cl. 7.2, 7.9 & 7.6	P
Chemical	Soil	Water Soluble Sulphate Content of Soil	BS 1377-3:2018 + A1:2021 Cl. 7.2, 7.3 & 7.6	P
Chemical	Ground Water	Sulphate Content of Ground Water	BS 1377-3:2018 + A1:2021 Cl. 7.2, 7.8 & 7.6	P
Chemical	Soil	Acid Soluble Chloride Content of Soil	BS 1377-3:2018 + A1:2021 Cl. 9.3	P
Chemical	Soil	pH of Soil	BS 1377-3:2018 + A1:2021 Cl. 12	P
Chemical	Soil	Water Soluble Chloride Content of Soil	BS 1377-3:2018 + A1:2021 Cl. 9.2	P
Chemical	Ground Water	pH of Ground Water	BS 1377-3:2018 + A1:2021 Cl. 12	P
Chemical	Ground Water	Chloride Content of Ground Water	BS 1377-3:2018 + A1:2021 Cl. 9.2	P
Construction materials and building	Soil	Water Soluble Salt	Earth Manual Designation E-8	P

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Construction materials and building	Soil	Organic Matter Content	BS 1377 - 3:2018 + A1:2021 Cls.4	P
Construction materials and building	Soil	Sand Replacement Method suitable for Fine-Medium and Coarse-Grained Soils (Large Pouring Cylinder Method)	BS 1377 Part 9:1990 AMD 17229-2007 Cls.2.2	S
Construction materials and building	Soil	Laboratory Compaction Characteristics of Soil using Modified Effort	ASTM D1557-12e1, ATM D1557-12(2021)	P
Construction materials and building	Soil	Laboratory Compaction Characteristics of soil using Standard Effort	ASTM D698-12E1, ASTM D698-12(2021)	P
Construction materials and building	Soil	California Bearing Ratio	ASTM D1883-21	P
Construction materials and building	Soil	Plate Load Test	BS 1377 part 9:1990 AMD 17229-2007 Cls.4.1	S
Civil engineering	Ground Water	Standpipe Piezometer	BS 5930 : 2015 +A1:2020 Cls.52.5 and 52.10	S
Civil engineering	Soil	Cone Penetration Test	BS EN ISO 22476-1:2012	S

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Construction materials and building	Soil	Direct Shear	ASTM D3080/D3080M-11, ASTM D3080/D3080M-23	P
Construction materials and building	Soil	Consolidation Test	ASTM D2435/D2435M-11 (Re-approved 2020)	P
Civil engineering	Rock	Point Load Test	ASTM D5731-16	P
Chemical	Soil	Carbonate Content	BS 1377 -3: 2018 +A1:2021 Cl.8	P
Chemical	Soil	Gypsum Content	BS 1377 -3:2018 +A1:2021 Cl. 7.2, 7.9 & 7.6 / MAS-QLT-IHTP-001	P
Chemical	Ground Water	Total Dissolved Solids (TDS)	BS 1377-3:2018 +A1:2020 CLS.11	P
Physical	Deep foundation	Standard Test Methods for Deep Foundations Under Bi-Directional Static Axial Compressive Load	ASTM D8169/ D8169-18	S
Physical	Deep foundation	Standard Test Methods for Deep Foundation Under Static Axial Compressive Load Test	ASTM D1143/D1143M-20e1	S

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Physical	Deep foundation	Standard Test Method for Integrity Testing of Concrete Deep Foundations by Ultrasonic Crosshole Testing	ASTM D6760-16	S
Physical	Deep foundation	Standard Test method for low strain impact Integrity Testing of Deep foundations	ASTM D5882-16	S
Physical	Deep foundation	Standard test method for High strain Dynamic testing of deep foundations	ASTM D4945-17	S
Physical	Deep foundation	Standard guide for conducting Borehole Geophysical Logging : Mechanical Caliper	ASTM D6167-19	S
<b>END</b>				

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