

شهادة اعتماد

رقم 005 TL



يقر نظام الاعتماد العراقي بأن:
مختبر الاعمار الانشائي
العراق - البصرة - تقاطع الطويسة

تم اعتماده وفقا لمتطلبات المواصفة ISO/ IEC 17025:2017
(المتطلبات العامة لاهلية مختبرات الفحص والمعايرة)

في مجال:

- اختبارات المواد الانشائية
- اختبارات المواد المعدنية

شرط التوافق مع متطلبات المواصفة اعلاه ومتطلبات IQAS الخاصة بالاعتماد
مجال الاعتماد المرفق بالشهادة يعتبر جزءا لا يتجزأ منها

يمكن الحصول على الاصدار الاحدث من مجال الاعتماد من خلال الموقع الالكتروني

<https://iqas.mop.gov.iq>

يكون الاعتماد نافذا من ٢٠٢٤/٩/٣ الى ٢٠٢٦/٩/٢
تاريخ منح الاعتماد لأول مرة
٢٠١٦/٣/٣

نقلى

أ.د. محمد علي تميم
نائب رئيس مجلس الوزراء
وزير التخطيط

المهندسة
بان ابراهيم نوروز
مدير عام الهيئة العراقية للاعتماد

ACCREDITATION CERTIFICATE

No. TL 005



Iraqi Accreditation System Certify that:
Emar Engineering Lab
Iraq -Barsa- Al-Tuwasia intersection

Is accredited according to the requirements of the standard ISO/IEC 17025:2017
(General Requirements for the Competence of Testing and Calibration Laboratories)

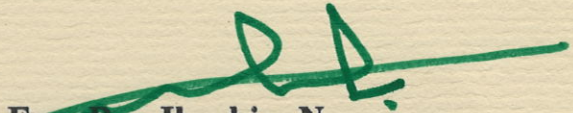
In the field of:

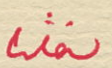
- Construction Materials Testing
- Metallurgical Materials Testing

This accreditation is subject to with the above standard & IQAS requirements
The scope of accreditation is attached to the certificate & considered as part of it

The most recent issue of the accreditation scope is available on IQAS website
<https://iqas.mop.gov.iq>

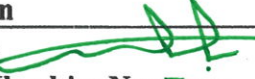
Accreditation is valid From 3/9/2024 To 2/9/2026
Initial accreditation date
3/3/2016


Eng. Ban Ibarhim Nawrooz
General Manager of IQAS


Dr. Mohammed Ali Tamim
Deputy Prime Minister
Minister of Planning

	استمارة مجال الاعتماد Scope of Accreditation form	نظام الاعتماد العراقي IQAS
Organization address: Iraq –Barsa- Al-Tuwasia intersection	Organization name : Emar Engineering Lab	Accreditation no.: TL 005
Signature:  Eng. Ban Ibarhim Nawrooz General Manager of IQAS	Accreditation is valid: From 3/9/2024 To 2/9/2026	Issue no. : 005

Testing field	Type of test	Test object or product	Reference to standard method
Mechanical	Determination of compressive strength	Concrete cube	BS EN 12390-3:2019 Iraqi guide No. 348:2017
Physical	Determination of density	Concrete cube	BS EN 12390-7:2019 Iraqi guide No. 274:1992
Mechanical	Determination of compressive strength	Clay bricks	IQS No.24 IQS No.25
Physical	Determination of dimension		
	Determination of absorption		
	Determination of efflorescence		
Mechanical	Determination of fracture load	Precast concrete flags	IQS No.1107/1988
Physical	Determination of dimensions		
	Determination of absorption		
Physical	Determination of soil density in place by sand cone method	Soil	ASTM D1556-15e1 BS 1377 – 9
	Determination of modified maximum dry density and optimum moisture content		ASTM D1557-21
Physical	Geotechnical: One dimensional consolidation properties of soil using incremental loading	Soil	ASTM D2435 : 20
	Geotechnical: Liquid limit, Plastic limit, and plasticity index of soil		ASTM D4318 – 17e1
	Geotechnical: Direct shear test of soils under consolidated drained conditions		ASTM D3080– 23
Physical	Geotechnical : Particle size analysis of soil by sieve and hydrometer	Soil	ASTM D422 (2007e2)
	Geotechnical : Unconfined compressive strength of cohesive soil		ASTM D2166 – 16
	Geotechnical : Laboratory miniature vane shear test for saturated fine grained clayey soil		ASTM D4648– 24

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Physical	Bulk specific gravity and density of non-absorptive compacted asphalt mixtures	Asphalt	ASTM D2726– 21
Mechanical	Resistance to plastic flow of bituminous mixture using Marshall apparatus		ASTM D1559 – 89
Physical	Theoretical maximum specific gravity and density of bituminous paving mixtures		ASTM D2041– 19
Physical	Quantitative extraction of asphalt binder from asphalt mixtures		ASTM D2172– 17
Non-destructive Test	pulse velocity through concrete	Concrete	ASTM C597 – 22
	Rebound number of hardened concrete		ASTM C805/C805M – 18
Mechanical	Deep foundation elements under static axial compressive load	Piles	ASTM D1143 -20
	Deep foundation elements under static axial tensile load		ASTM D3689 -22
	Deep foundation elements under static lateral load		ASTM D3966 -22
Mechanical	Determination of tensile strength	Reinforcing steel bar	ASTM A 615
	Determination of yield strength		ASTM A 370
	Determination of elongation		
	Bend test		
Chemical	Chemical analysis of steel products	Steel products	ASTM A751 – 21
Non-destructive Test	Welding visual inspection	Welding	ASME sec.V, ASME B31.3, ASNT SNT TC-1A
	Welding magnetic particle inspection		ASME sec.V, ASME B31.3, ASNT SNT TC-1A
	Welding liquid penetrant testing		ASME 31.3
	Welding ultrasonic testing		ASME sec.V, ASME B31.3, ASNT SNT TC-1A
	Welding radiographic testing		ASTM E94, ASTM E142, ASTM E747, BSEN 25580