

شهادة اعتماد

رقم 090 TL



يقر نظام الاعتماد العراقي بأن:
مختبر شركة الهرم للخدمات الهندسية والخدمات البيئية
محدودة المسؤولية

العراق - البصرة - الحكيمية - شارع مقبرة الإنكليز

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

في مجال:

- اختبارات المواد الانشائية
- اختبارات المواد المعدنية
- اختبارات المواد البلاستيكية

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 ٢٠٢٤/١١/١٢ الى ٢٠٢٦/١١/١١

تاريخ منح الاعتماد لأول مرة

٢٠٢٢/١٠/١٨

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

المهندسة
بان ابراهيم نوروز
مدير عام الهيئة

ACCREDITATION CERTIFICATE

No. TL 090



Iraqi Accreditation System Certify that:

Laboratory of Al-Haram Co. for Engineering & Environmental Services

Iraq - Basra - Al Hakemeia - British Cemetery Street

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
- Polymer 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 12/11/2024 To 11/11/2026

Initial accreditation date

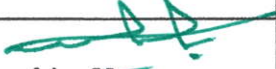
18/10/2022


Eng. Ban Ibrahim 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 - Basra - Al Hakemeia - British Cemetery Street	Organization name : Laboratory of Al-Haram Co. for Engineering & Environmental Services	Accreditation no.: TL 090
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Testing Field	Type of Test	Test Object or Product	Reference To Standardized Method
Mechanical	Determination of compressive strength	Concrete cube	BS EN 12390-P3:2009
Mechanical	Determination of compressive strength	Concrete cube	Iraqi guide no. 348:2017
Sampling	Sampling	Fresh concrete	ASTM C129
Physical	Slump test	Fresh concrete	BSEN12350-2
Non-Destructive	Standard test method for rebound number of hardened concrete	Concrete	ASTM C805
Non-Destructive	Standard test method for ultrasonic pulse velocity through concrete	Concrete	ASTM C597
Mechanical	Standard test method for obtaining and testing drilled cores and sawed beams of concrete	Concrete	ASTMC42
Physical	Density of hardened concrete	Concrete cube	BS EN 12390-P7
Physical	Determination of water (moisture) content of soil and rock by mass	Aggregate	ASTM D2216-19
Physical	Determination of water (moisture) content by microwave oven heating	Aggregate	ASTM D4643-17
Physical	Sieve analysis of fine and coarse aggregates	Fine aggregate	ASTM C136-19
Physical	Sieve material finer than 75-µm (no.200) sieve in mineral aggregates by washing	Coarse aggregate	ASTM C117-17
Physical	Density and unit weight in place by sand-cone method	Sub-base	ASTM D1556-15e1
Physical	Laboratory compaction characteristics of soil using modified effort (2,700 KN-m/m ³)	Soil	ASTM D1557-12e1
Physical	Density of soil in place by the drive-cylinder	Soil	ASTM D2937-17e2
Physical	Soil investigation thin-walled tube sampling of soils for geotechnical purposes	Soil	ASTM D1587-2012
Physical	Soil investigation determining sub surface liquid levels in a borehole or	Soil	ASTM D4750

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	monitoring		
Physical	Soil investigation wet preparation of soil samples for particle size analysis and determination of soil constants	Soil	ASTM D2217
Physical	Soil investigation soil exploration and sampling by auger borings	Soil	ASTM D1452
Physical	Soil investigation sieve analysis	Soil	ASTM C136, C117
Physical	Soil investigation density on site	Soil	ASTM D1556, D2937
Physical	Soil investigation standard penetration test (SPT) and split -barrel sampling of soils	Soil	ASTM D1586
Mechanical	Determination of compressive strength	Brick	IQS 24 IQS 25
Physical	Determination of absorption	Brick	IQS 24 IQS 25
Physical	Determination of efflorescence	Brick	IQS 24 IQS 25
Mechanical	Determination of compressive strength	Concrete pavement	IQS1606
Mechanical	Abrasion	Concrete pavement	IQS1606
Mechanical	Determination of compressive strength	Load bearing concrete masonry units	IQS 1077
Physical	Determination of density	Concrete blocks	IQS1077
Mechanical	Compressive strength of hydraulic cement mortars	Cement	ASTM C109
Physical	No repetitive static plate load tests of soils and flexible pavement components, for use in evaluation and design of airport and highway pavements	Soil	ASTM D1196
Mechanical	CBR (California Bearing Ratio) Of Laboratory Compacted	Soil	ASTMD1883
Mechanical	Direct Shear Test Under Consolidated Drained Conditions	Soil	ASTM D3080
Physical	One – dimensional consolidation	Soil	ASTM D2435

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	properties using incremental loading		
Physical	Unconfined compressive strength of cohesive soil	Soil	ASTM D2166
Physical	Particle – size analysis	Soil	ASTM D422
Physical	Liquid limit, plastic limit and plasticity index	Soil	ASTM D4318
Physical	Bulk specific gravity and density of non-absorptive compacted asphalt mixtures	Asphalt	ASTM D2726
Mechanical	Standard test method for Marshal stability and flow of asphalt mixtures	Asphalt	ASTM D6927-15
Physical	Penetration test	Asphalt	AASHTO T49
Physical	Standard method of test for flash point of asphalt binder by cleveland open cup	Asphalt	AASHTO T48
Physical	Softening point of bitumen (ring -and- ball apparatus	Asphalt	ASTMD36 2014
Chemical	Sulfate (SO ₃), gypsum content, organic matter and total suspended solids (T.S.S)	Sub-base	BS 1377
Chemical	Sulfate (SO ₃), Gypsum Content, Chloride (Cl), , Organic Matter, Carbonate test (CO ₃), and total suspended solids (T.S.S)	Soil	BS 1377
Chemical	Sulfate (SO ₃), Chloride (Cl)	Aggregate	BS EN 1744
Chemical	PH, Total Dissolved Solid (TDS)	Water	ASTM C1602
Chemical	Sulfate (SO ₃), Insoluble(%), Loss on Ignition (%)	Cement	ASTM C114
Mechanical	Determination of external loading characteristics of plastic pipe by parallel – plate loading	Plastic pipe	ASTM D2412
Physical	Standard test method for determining dimensions	Plastic pipe and fitting	ASTM D2122
Physical	Standard practice for determining dimensions	Fiberglass (glass-fiber-reinforced	ASTM D3567

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		thermosetting resin)	
Mechanical	Long-term hydrostatic strength	Plastic pipe	DIN 8061, 8062
Mechanical	Determination of tensile strength	Reinforcing steel bar	ASTM A370 ASTM A615
Mechanical	Determination of yield strength	Reinforcing steel bar	ASTM A370 ASTM A615
Mechanical	Mechanical of elongation	Reinforcing steel bar	ASTM A370:2021 ASTM A615:2020
Mechanical	Determination of tensile strength	Plate	ASTM A36 ASTM A370
Mechanical	Determination of yield strength	Plate	ASTM A36 ASTM A370
Mechanical	Mechanical of elongation	Plate	ASTM A36 ASTM A370
Mechanical	Determination of tensile strength	Anchor	ASTM F1554 ASTM A370
Mechanical	Determination of yield strength	Anchor	ASTM F1554 ASTM A370
Mechanical	Mechanical of elongation	Anchor	ASTM F1554 ASTM A370
Non-Destructive	Ultrasonic Testing (UT)	Pipeline Piping Structural Tanks	ASME B31.3 API 1104 AWS D1.1
Non-Destructive	Penetrant Testing (PT)	Pipeline Piping Structural Tanks	ASME B31.3 API 1104 AWS D1.1
Non-Destructive	Radiographic Testing (RT)	Pipeline Piping Structural Tanks	ASME B31.3 API 1104 AWS D1.1
Non-Destructive	Visual Testing (VT)	Pipeline Piping	ASME B31.3 API 1104

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		Structural Tanks	AWS D1.1
Non- Destructive	Magnetic particle test (MT)	Pipeline Piping Structural Tanks	ASME B31.3 API 1104 AWS D1.1
Non- Destructive	Coating test	Pipeline Piping Structural Tanks	ASTM D 5162
Mechanical	Standard test method for low strain impact integrity testing of deep foundations	Piles	ASTM D5882
Mechanical	Standard test methods for deep foundation elements under static axial compressive load	Piles	ASTM D1143
Mechanical	Standard test methods for deep foundation elements under static lateral load	Piles	ASTM D3966
Mechanical	Standard test methods for deep foundation elements under static axial tensile load	Piles	ASTM D3689
Mechanical	Standard test method for high-strain dynamic testing of deep foundations	Piles	ASTM D4945