

شهادة اعتماد

رقم TL 083



يقر نظام الاعتماد العراقي بأن:
مختبر المجموعة الاستشارية الهندسية للفحوصات الهندسية
العراق - بغداد - حي الخضراء - شارع البصرة

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 ٢٠٢٦/٨/٣٠ الى ٢٠٢٨/٨/٢٩
تاريخ منح الاعتماد لأول مرة
٢٠٢٢/٧/٢٦

فالح ساري
وزير المالية
وزير التخطيط/ وكالة

محمد أيمن عمر
مدير عام الهيئة / وكالة

ACCREDITATION CERTIFICATE

No. TL 083



Iraqi Accreditation System Certify that:

Engineering Consultancy Group for Engineering Testing Laboratory

Iraq – Baghdad – Al-Khadraa District – Basra 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

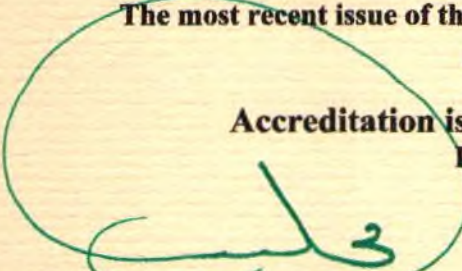
The most recent issue of the accreditation scope is available on IQAS website

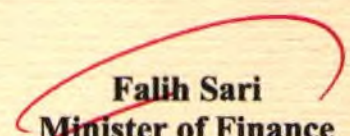
<https://iqas.mop.gov.iq>

Accreditation is valid From 30/8/2026 To 29/8/2028

Initial accreditation date

26/7/2022


Mohammed Ayden Omar
Director General of IQAS


Falih Sari
Minister of Finance
Minister of Planning

	استمارة مجال الاعتماد Scope of Accreditation form	نظام الاعتماد العراقي IQAS
Organization address: Iraq – Baghdad – Al-Khadraa District – Basra Street	Organization name: Engineering Consultancy Group for Engineering Testing Laboratory	Accreditation no.: TL 083
Signature: Abdul Wahid M. Ibrahim Deputy General Manager	Accreditation is valid: From 30/8/2026 To 29/8/2028	Issue no.: 003

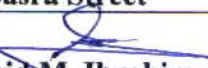
Testing field	Type of test	Test object or product	Reference to standardized method
Mechanical	Determination of elongation	Carbon Structural Steel	ASTM A370 ASTM A36 ASTM A529
	Determination of tensile strength		
	Determination yield strength		
Physical	Determination of dimensions	Steel Reinforcing Bars	ASTM A370 ASTM A615M
Mechanical	Determination of elongation		
	Determination of tensile strength		
	Determination yield strength		
	Determination bending		
	Determination of weight		
Physical	Determination of dimensions		ASTM A615M/A615M-2013 & BS 4449/2005+A2:2009
Sampling	Method of sampling		
Mechanical	Determination of Compressive Strength	Cement	I.R.G 198 I.Q.S No. 5
	Determination of Setting Time		
	Determination of Cement fineness Blaine method		
	Determination of Cement soundness le chaterlier method		
Chemical	Determination of SiO ₂ contents		I.R.G 472 I.Q.S No. 5
	Determination of CaO contents		
	Determination of MgO contents		
	Determination of Fe ₂ O ₃ content		
	Determination of Al ₂ O ₃ content		
	Determination of Loss Ignition		
	Determination of Insoluble Residue		
	Determination SO ₃ contents		
Sampling	Method of sampling		I.Q.S No. 5 /1984 & (edit no.1,2/2010)

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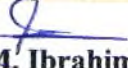
Mechanical	Determination of Compressive Strength	Concrete Interlocking Paving Units	ASTM C140 I.Q.S No. 1606
	Determination of Absorption		
	Determination of Abrasion		
Physical	Determination of Dimension	Clay Building Bricks	I.Q.S 24 I.Q.S 25
Sampling	Method of sampling		
Mechanical	Determination of Compressive Strength	Clay Block	I.Q.S 24 SASO 84/1980
Physical	Determination of Absorption		
	Determination of General Appearance and Shape		
	Determination of Dimensions	Concrete Cube	I.R.G 348 EN-RS 1992-1-1-2004 I.R.G 274 I.R.G 448
	Determination of Efflorescence		
Sampling	Method of sampling		
Mechanical	Determination of Compressive Strength	Concrete Cube	Iraqi code for reinforced concrete requirements for buildings 1/1987
Physical	Determination of Density		
Chemical	SO ₃ CL		
Sampling	Method of sampling		

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Physical	Determination of Dimension	Concrete Masonry Units	I.Q.S 32 ASTM C140
	Determination of Absorption		
Mechanical	Determination of Compressive Strength		
Sampling	Method of sampling		I.Q.S 1107/1987
Mechanical	Determination of Flexural	Terrazzo Tiles	I.Q.S 1042
Physical	Determination of Dimensions		
	Determination of Absorption		
	Determination of Appearance		
Mechanical	Determination of Flexural	Precast Concrete Flags	I.Q.S 1107 I.R.G 995
Physical	Determination of Dimension		
	Determination of Absorption		
	Determination Face Leveling		
Sampling	Method of sampling		
Mechanical	Determination of Modulus of Rupture and Breaking Strength	Ceramic Tiles	ISO 13006 ISO 10545
Physical	Determination of Absorption		
Sampling	Method of sampling		
Physical	Determination of Grading (Sieve Analysis)	Coarse Aggregate(gravel)	I.Q.S 45 I.R.G 30 I.R.G 500 SORB B8 Table 4 ASTM C131
	Determination of finer than 0.075mm		
	Clay lumps		
Mechanical	Loss Angeles abrasion		
Chemical	Determination of SO ₃ Contents		
	Soundness		
Sampling	Method of sampling		
Physical	Determination of Grading (Sieve Analysis)	Fine Aggregate (sand)	I.Q.S 45 I.R.G 30

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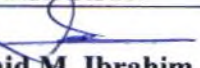
Chemical	Determination of Finer Than 0.075mm	Asphalt Concrete	I.R.G 500 SORB B8 Table 1 ASTM C131
	Clay lumps		
	Determination of SO ₃ Contents		
	Soundness		
Sampling	Method of sampling	Asphalt Concrete	I.Q.S 45/1984
Mechanical	Standard test Method for Marshall Stability and Flow and Air Void and Bulk Density		ASTM D6927
	Determination of Compaction and Thickness		ASTM D6307 ASTM D136
	Standard test Method for Asphalt Content of Asphalt Mixture and Sieve Analysis		ASTM D3549
Physical	Irregularities of surface	Asphalt Used in Roofing	SORB /R9
Physical	Penetration Test		ASTM D 5 ASTM D36 ASTM D92 ASTM D113 I.Q.S 1196
	Ductility		
	Flash Point		
	Softening Point		
Chemical	Solubility in Trichloroethylene	Sub base	ASTM C136
Physical	Determination of Grading (Sieve Analysis)		
	Determination of Maximum Dry Density		
	Determination of California Bearing Ratio		
	Determination of the liquid limit, plastic limit, and the plasticity index of soils		ASTM D4318
Chemical	Organic matter		BS1377
	SO ₃		
	Gypsum content		
	Total soluble salts		
Physical	Determination of Field density	ompaction of the	ASTM D1556 / D1556M

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	Determination of Max. dry density	subbase	- 15el ASTM D7698
Mechanical	Determination of Degree of Compaction and compaction by EDG		
Physical	Determination of compaction and compaction by EDG	Soil	ASTM D2937
	Determination of finer than 0.075mm		ASTM D7698
	Determination of the liquid limit, plastic limit, and the plasticity index of soils		ASTM D1140
	Determination of Maximum Dry Density		ASTM D4318
	Determination of California Bearing Ratio		ASTM D698 A/STM D1557 ASTM D1883
Chemical	Organic matter		BS1377
	SO ₃		
	Gypsum content		
	Total soluble salts		
Sampling	Method of sampling		SORB R5 & (edit 1999, 2003)
Physical	Determination of fineness	Gypsum	IQS 28/2010 I.R.G 273/2012 I.R.G 1042/2015
	Determination of Standard consistence		
	Determination of setting time		
Mechanical	Determination of flexure strength		
	Determination of Compressive Strength		
Chemical	Determination of SO ₃		
	Determination of CAO		
	Determination of united water		
	Determination of loss burning		
Sampling	Method of sampling		IQS 28/2010

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Chemical	Determination of PH	Water	I.R.G 671/1995 I.R.G 726/1994 ASTM D516/2002
	Determination of SO ₃		
	Determination of chlorides (CL)		
Sampling	Method of sampling		IQS 1703/1992
Physical	Weld test of buried pipelines	Welding	ASME V ARTICLE
	Welding test for above-ground pipes		
	Welding test of metal structures in buildings		
	Welding test of welded iron tanks		
Physical	Permeability of concrete cub	Water permeability under pressure in hardened concrete	BS EN 12390-8:2000
Physical	Color	Tile Adhesive material	BS EN 12004/2017
	Determination of Open time		
	Determination of Slip		
Mechanical	Determination of adhesion strength		
Mechanical	Determination of compressive strength	Core	I.R.G 818/1997 ASTM C42
Physical	Determination of density		
Physical	Determination of outside diameter	Pipes	DIN 8061, DIN 8062 IQS 1512, 5160 DIN 8077, DIN 8078 IQS 5075 DIN 8074, DIN 8075 IQS 5156
	Determination of wall thickness		
	Determination of Out-of-roundness		
	Determination of Impact strength (TIR)		
	Determination of Allowable working pressure		

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Physical	Determination of the liquid limit, plastic limit, and the plasticity index	Soil Investigation	ASTM –D 4318
	Determination of Grading (Sieve Analysis)		ASTM –D 422
	Determination of water content		ASTM –D 2216
Mechanical	Determination of shear strength		ASTM –D 3080
	Determination of Unconfined Compression		ASTM –D 2216
	One-Dimensional Consolidation		ASTM –D 2435
Physical	Determination of velocity of Ultrasonic pulses in concrete	Ultrasonic	BS1881/part 203
Mechanical	Determination of Compressive Strength	Schmidt Hammer	ASTM C805