وزارة التخطيط
الهيأة العراقية للاعتماد
IQAS

شـــهـادة اعتـــمـاد

رقم TL 083

نظام الاعتماد العراقي
IRAQI ACCREDITATION SYSTEM
IQAS

يقر نظام الاعتماد العراقي بأن:

مختبر المجموعة الاستشارية الهندسية للفحوصات الهندسية

العراق – بغداد- السيدية- مخرج الوليد

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 لايتجزء منها
يمكن الحصول على الاصدار الاحدث من مجال الاعتماد من خلال الموقع الالكتروني
https://iqas.mop.gov.iq

يكون الاعتماد نافذا من ٢٠٢٤/٩/١ الى ٢٠٢٦/٨/٣١
تاريخ منح الاعتماد لاول مرة
٢٠٢٢/٧/٢٦

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

المهندسة
بان ابراهيم نوروز
مدير عام الهيأة العراقية للاعتماد

Ministry of planning
Iraqi Organization for Accreditation
IQAS

ACCREDITATION CERTIFICATE

No. TL 083

Iraqi Accreditation System Certify that:

Engineering Consultancy Group for Engineering Testing Laboratory

Iraq – Baghdad- Saydiya- Al Waleed exit

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 1/9/2024 To 31/8/2026
Initial accreditation date
26/7/2022

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 – Baghdad- Saydiya- Al Waleed exit	**Organization name :** Engineering Consultancy Group for Engineering Testing Laboratory	**Accreditation no.:** TL 083
Signature: Eng. Ban Ibarhim Nawrooz General Manager of IQAS	**Accreditation is valid:** From 1/9/2024 To 31/8/2026	**Issue no. :** 002

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		
Mechanical	Determination of elongation	Steel reinforcing bars	ASTM A370 ASTM A615M
	Determination of tensile strength		
	Determination yield strength		
	Determination bending		
	Determination of weight		
Physical	Determination of dimensions		
Sampling	Method of sampling		ASTM A615M/A615M-2013 BS 4449/2005+A_2:2009
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_2O_3 content		
	Determination of AL_2O_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		
Physical	**Determination of dimension**		
Sampling	**Method of sampling**		**I.Q.S No. 1606/1990 & (edit no. 1/2006)**
Mechanical	**Determination of compressive strength**	**Clay building bricks**	**I.Q.S 24** **I.Q.S 25**
Physical	**Determination of absorption**		
	Determination of general appearance and shape		
	Determination of dimensions		
	Determination of efflorescence		
Sampling	**Method of sampling**		**I.Q.S 24/1988**
Mechanical	**Determination of compressive strength**	**Concrete cube**	**I.R.G 348** **EN-RS 1992-1-1-2004**
Physical	**Determination of density**		**I.R.G 274**
Sampling	**Method of sampling**		**Iraqi code for reinforced concrete requirements for buildings 1/1987**
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		

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Sampling	**Method of sampling**		**I.Q.S 1107/1987 & (edit no.1/2002)**
Mechanical	**Determination of Modulus of Rupture and Breaking Strength**	**Ceramic Tiles**	**ISO 13006 ISO 10545**
Physical	**Determination of Absorption**		
Sampling	**Method of sampling**		**BS EN ISO 10545-1/1997**
Physical	**Determination of Grading (Sieve Analysis)**	**Coarse Aggregate(gravel)**	**I.Q.S 45 I.R.G 30 I.R.G 500**
	Determination of finer than 0.075mm		
Chemical	**Determination of SO_3 Contents**		
Sampling	**Method of sampling**		**I.Q.S 45/1984**
Physical	**Determination of Grading (Sieve Analysis)**	**Fine Aggregate (sand)**	**I.Q.S 45 I.R.G 30 I.R.G 500**
	Determination of finer than 0.075mm		
Chemical	**Determination of SO_3 Contents**		
Sampling	**Method of sampling**		**I.Q.S 45/1984**
Mechanical	**Standard test method for Marshall stability and flow and air void and bulk density**	**Asphalt Concrete**	**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**		**SORB /R9**
Physical	**Penetration Test**	**Asphalt Used in Roofing**	**ASTM D 5 ASTM D36 ASTM D92 ASTM D113 I.Q.S 1196**
	Ductility		
	Flash Point		
	Softening Point		
Chemical	**Solubility in Trichloroethylene**		
Physical	**Determination of grading (sieve analysis)**	**Sub base**	**ASTM C136**
	Determination of maximum dry density		**ASTM D1557**
	Determination of California bearing ratio		**ASTM D1883**

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Physical	**Determination of Field density**	**Compaction of the sub base**	**ASTM D1556 / D1556M - 15e1** **ASTM D7698**
	Determination of Max. dry density		
Mechanical	**Determination of Degree of Compaction and compaction by EDG**		
Physical	**Determination of compaction and compaction by EDG**	**Soil**	**ASTM D2937** **ASTM D7698**
	Determination of finer than 0.075mm		**ASTM D1140**
	Determination of the liquid limit, plastic limit, and the plasticity index of soils		**ASTM D4318**
Mechanical	**Determination of maximum dry density**		**ASTM D698** **A/STM D1557**
	Determination of California Bearing Ratio		**ASTM D1883**
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 Fraction standard**		
	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**
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	**Permeability Depth of penetration of water under pressure**	**Concrete cubes**	**BS EN 12390-8:2000**
Mechanical	**Determination of compressive strength**	**Core**	**I.R.G 818/1997**
Physical	**Determination of density**		

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Physical	Determination of outside diameter	UPVC Pipe	DIN 8061, DIN 8062 IQS 1512/2022
	Determination of wall thickness		
	Determination of Out-of-roundness		
	Determination of Impact strength (TIR)		
	Determination of Allowable working pressure		
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	Concrete	BS 1881/part 203
Mechanical	Determination of Compressive Strength	Concrete	ASTM C805