وزارة التخطيط
الهيأة العراقية للاعتماد
IQAS

شـــهـادة اعتـمـاد

رقم TL 054

نظام الاعتماد العراقي
IRAQI ACCREDITATION SYSTEM
IQAS

يقر نظام الاعتماد العراقي بأن:

مختبر شركة القمة للفحوصات الانشائية

العراق – ديالى- بعقوبة

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
- اختبارات المواد الكيميائية
- اختبارات الاجهزة والمعدات الكهربائية والالكترونية

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 2025/5/28 الى 2027/5/27
تاريخ منح الاعتماد لاول مرة
2021/5/24

المهندس
عبد الواحد محمد ابراهيم
مدير عام الهيأة/ وكالة

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

Ministry of planning
Iraqi Organization for Accreditation
IQAS

ACCREDITATION CERTIFICATE

No. TL 054

Iraqi Accreditation System Certify that:

Laboratory of Al- Qimma Company for Consulting & Engineering Inspection

Iraq – Diyala- Baqubah

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**
- **Chemical Materials Testing**
- **Electrical & Electronic Devices 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 28/5/2025 To 27/5/2027
Initial accreditation date
24/5/2021

Eng. Abdul Wahid M. Ibrahim
Director General of IQAS

Dr. Mohammed Ali Tamim
Deputy Prime Minister
Minister of Planning

	استمارة مجال الاعتماد **Scope of Accreditation form**	نظام الاعتماد العراقي **IQAS**
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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 12390-3:2009
Mechanical	Determination of compressive strength	Concrete cube	Iraqi guide no 348:2017
Physical	Determination of density	Concrete cube	Iraqi guide no 274:2017
Physical	Determination of density	Concrete cube	BS EN 12390-7/2009
Sampling	Sampling	Fresh concrete	National Center for Construction Laboratories Sampling Guide / 2018
Sampling	Sampling	Fresh concrete	Iraqi Building Code Requirements for Reinforced Concrete (Code 1/1987)
Sampling	Sampling	Fresh concrete	BS EN 12350-1:2019
Physical	Density and unit weight soil in place by sand –cone method	Soil Sub base	ASTM D1556
Physical	compaction characteristics using modified effort	Soil Sub base	ASTM D1557
Physical	California Bearing Ratio	Soil	ASTM D – 1883 - 87
Physical	Grain Size Distribution	Soil	D – 422 & ASTM D-421
Physical	Liquid Limit (LL) And Plastic Limit (PL), Shrinkage limit	Soil	ASTM 4318 D
Physical	Content Water	Soil	ASTM D2216
Physical	Binder content by ignition	Asphalt	ASTM 6307 D
Physical	Marshall test	Asphalt	ASTM D6926,D6927
Physical	Penetration of Bituminous Materials	Asphalt	AS1M 5 D
Physical	Thin Film Oven Test	Asphalt	ASTM1754 D
Physical	Ductility of Bituminous materials	Asphalt	ASTM 113 D
Physical	Flash and fire point	Asphalt	ASTM D92
Physical	Clay building bricks	Bricks	IQS 24 IQS 25
Physical	Load bearing concrete masonry	Concrete	IQS 1077

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Physical	**Schmidt hummer**	**Concrete**	**ASTM-C805-C597-2**
Physical	**Ultrasonic pulse velocity test**	**Concrete**	**ASTM C597-2**
Physical	**Concrete Kerb unit**	**Concrete**	**BS 1340: 2003**
Physical	**Ceramic floor and wall tiles**	**Ceramic**	**IQAS 1107**
Physical	**Determination Compressive strength**	**Cement**	**Iragi guide: 198:1990**
Physical	**Determination setting time (initial & final)**	**Cement**	**Iragi guide: 198:1990**
Physical	**Sieve analysis**	**Sand and gravel**	**ASTM C33** **ASTM C117** **ASTM C136**
Physical	**Sieve analysis**	**Sub base**	**ASTM D1246** **ASTM C33** **ASTM C136**
Physical	**Soil investigation Wet preparation of soil samples for particle-size analysis and determination of soil**	**Soil**	**ASTM D1557** **ASTM D1556** **ASTM D1587** **ASTM D1452** **ASTM D2217** **ASTM D2216** **ASTM D4750**
Physical	**Soil investigation Laboratory determination of water (moisture) content of soil and rock by mass**	**Soil**	
Physical	**Soil investigation Thin walled tube sampling of soils for geotechnical purposes**	**Soil**	
Physical	**Consolidation and swelling test**	**Soil**	**ASTM D2435-2**
Mechanical	**Determination of yield strength**	**Steel reinforcing bars**	**ASTM A370** **ASTM A615**
Mechanical	**Determination of ultimate tensile strength**	**Steel reinforcing bars**	**ASTM A370** **ASTM A615**
Mechanical	**Determination of elongation**	**Steel reinforcing bars**	**ASTM A370** **ASTM A615**
Physical	**Determination of strength characteristics determined by long-term hydrostatic strength**	**Pipes of Unplasticized Polyvinyl Chloride (PVC-U)**	**DIN 8061** **DIN 8062**

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Physical	Determination of heat reversion	Pipes of Unplasticized Polyvinyl Chloride (PVC-U)	DIN 8061 DIN 8062
Physical	Determination of dimensions	Pipes of Unplasticized Polyvinyl Chloride (PVC-U)	DIN 8061 DIN 8062
Physical	Determination of impact strength	Pipes of Unplasticized Polyvinyl Chloride (PVC-U)	DIN 8061 DIN 8062
Physical	Determination of Thickness	Plastic pipe	ASTM D2412:2018
Physical	Determination of diameter	Plastic pipe	ASTM D2412:2018
Physical	Determination of impact strength	Pipes of Unplasticized Polyvinyl Chloride (PVC-U)	DIN 8061 DIN 8062
Mechanical	Determination of modulus of rupture and breaking strength	Pre-cast Concrete tiles	IQS 1107:1992
Mechanical	Preparation of asphalt mixture Specimens using Marshall	Asphalt mixtures	ASTM D6926-20
Chemical	Zinc Coating Thickness	Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products	ASTM A90 ASTM A123
Mechanical and Physical	Determination of Thickness Determination of Elongation Determination of Tensile strength	Pipe, Steel, Black and Hot Dipped, Zinc- Coated, Welded and Seamless	ASTM A370 ASTM ASJ ASTMA106
Mechanical and Physical	Determination of Dimensions Iron Wall Thickness	Ductile iron pipes, fittings, accessories	ISO 2531

	Cement Mortar Lining Thickness	and applications	
	Surface Condition		
Mechanical and Physical	Long-Tenn Hydrostatic Pressure	Polypropylene (PP) Pipes	DIN R077 DIN 8078
	Determination of Weight		
	Dimension Tolerances und out-of Roundness		
	Heat Reversion		
Chemical and Physical	Determination of Compressive Strength	Cement	I.G.O 198 I.Q.S No. 5 I.G.O 472
	Determination of Setting Time		
	Determination of SiO_2 content		
	Determination of Cao content		
	Determination of Mgo content		
	Determination of Fe_2O_3 content		
	Determination of Loss of ignition		
	Determination of Insoluble Residue		
	Determination SO_3 contents		
Mechanical and Physical	Determination of compressive strength	Concrete interlocking paving units	ASTM C140 T.Q.S No. 1606
	Determination of absorption		
	Determination of dimensions		
Mechanical and Physical	Determination of compressive Strength	Gypsum	IQS 28:1988
	Determination of modulus rapture and breaking strength		
	Determination of Setting Time		

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Mechanic.al and Physical	Determination of Flexural	Terrazzo Tiles	IQS 1042
	Determination of Dimensions		
	Determination of Absorption		
Chemical	Testing Determination of SO_3	Sub base	B.S 1377 3
Physical	Determination of TSS contents		Earth manual ES
Physical	Determination of TSS and TDS contents	Soil Investigation	B.S 1377 Earth manual E8
Physical and chemical	Determination of CI, SO_3, and Organic content for soil, pH, CI, SO_4,	Soil Investigation	B.S 1377 Earth manual E8
Physical and Mechanical	Dimension	Manhole Cover	BS EN 124
	Load bearing	Manhole Cover	IQS 1490
Physical and mechanical	Maximum load	Load test for concrete structure	ACI 318
	Deflection		
Physical and mechanical	Maximum load	Pile load test	ASTM D-1143 Iraqi building code 302
	Deflection		
Chemical	Determination of concentration Pb	Extractability of toxicity materials in water	IQS 417
	Determination of concentration Cd		
	Determination of concentration Fe		
	Determination of concentration Zn		
Physical and mechanical	Density	Epoxy materials	EN ISO 527 ASTM 638 ASTM 790 ASTM D 2240 ASTM C307
	Flash point		
	Solubility in water		
	Tensile Strength		
	Flexural Strength		
	Physical state		
	Coat thickness		

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Physical, Mechanical and Chemical	**Spacing and Diameter of steel bar**	**Concrete pipe**	**AASHTO T280-06 IQS 1432**
	Area of reinforcement		
	Absorption		
Chemical	**Determination SO_3 content**		**Iraqi guide no 45 -1984**
	Chloride content	**Concrete**	**BS 1881-2009**
Physical	**Penetration**	**Polymer asphalt**	**ASTM D5**
	Softening point		**ASTM D36** **AASHTO T53**
	Rotational viscometer		**ASTM 4402** **AASHTO T316**
	Flash point		**ASTM D92** **AASHTO T48**
	Dynamic Shear Rheometer (DSR)		**AASHTO T315**
Physical	**Yield point**	**Electric pole**	**D 22 -2012** **St -52**
	Tensile strength		
	Dimension		
	Zinc coating		
Physical	**Diameter**	**Electrical cable**	**BS 215**
	Weight		
	Resistance		