وزارة التخطيط
الهيأة العراقية للاعتماد
IQAS

شـــهـادة اعتـــمـاد

رقم TL 117

يقر نظام الاعتماد العراقي بأن:

مختبر شركة القمة للفحوصات والاستشارات الهندسية

العراق - نينوى – الموصل - حي الزراعي - قرب جسر السويس

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 ٢٠٢٥/١/١٢ الى ٢٠٢٧/١/١١
تاريخ منح الاعتماد لاول مرة
٢٠٢٢/١٢/١١

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

المهندسة
بان ابراهيم نوروز
مدير عام الهيأة

Ministry of planning
Iraqi Organization for Accreditation
IQAS

ACCREDITATION CERTIFICATE

No. TL 117

Iraqi Accreditation System Certify that:

Laboratory of Al- Qimma Company for Engineering Testing & Consulting

Iraq- Nineveh -Mosul -Al Ziraei district- near Al Sues Bridge

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 12/1/2025 To 11/1/2027
Initial accreditation date
11/12/2022

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- Nineveh -Mosul -Al Ziraei district- near Al Sues Bridge**	**Organization name:** **Laboratory of Al- Qimma Company for Engineering Testing & Consulting**	**Accreditation no.:** **TL 117**
Signature: **Eng. Ban Ibrahim Nawrooz** **Director General of IQAS**	**Accreditation is valid:** **From 12/1/2025 To 11/1/2027**	**Issue no.:** **002**

Testing field	Type of test	Test object or product	Reference to standardized method
Mechanical	Determination of compressive strength	Concrete cube	BS EN 12390-3
Mechanical	Determination of compressive strength	Concrete cube	Iraqi guide no. 348
Physical	Determination of density	Concrete cube	Iraqi guide no. 274
Physical	Determination of density	Concrete cube	BS EN 12390-7
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
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 D1883
Physical	Grain Size Distribution	Soil	ASTM D422 ASTM D421
Physical	Liquid Limit (LL) And Plastic Limit (PL), Shrinkage limit	Soil	ASTM D 4318
Physical	Content Water	Soil	ASTM D2216
Physical	Binder content by ignition	Asphalt	ASTM D 6307
Physical	Marshall test	Asphalt	ASTM D6926 ASTM D6927
Physical	Penetration of Bituminous Materials	Asphalt	AS1M D 5
Physical	Thin Film Oven Test	Asphalt	ASTM D 1754
Physical	Ductility of Bituminous materials	Asphalt	ASTM D113
Physical	Flash and fire point	Asphalt	ASTM D92

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Physical and Mechanical	Clay bricks tests	Clay bricks	IQS 24 IQS 25
Physical	Load bearing concrete masonry	Concrete	IQS 1077
Physical	Schmidt hummer	Concrete	ASTM C805 C597-2
Physical	Ultrasonic pulse velocity test	Concrete	ASTM C597-2
Physical	Concrete Kerb unit	Concrete	BS 1340
Physical	Ceramic floor and wall tiles	Ceramic	IQS 1107
Physical	Determination Compressive strength	Cement	Iraqi 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
Physical	Soil investigation Laboratory determination of water (moisture) content of soil and rock by mass	Soil	ASTM D1452 ASTM D2217 ASTM D2216
Physical	Soil investigation Thin walled tube sampling of soils for geotechnical purposes	Soil	ASTM D4750
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
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
Physical	Determination of diameter	Plastic pipe	ASTM D2412
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
Mechanical	Preparation of asphalt mixture Specimens using Marshall	Asphalt mixtures	ASTM D6926
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 Surface Condition	and applications	
Mechanical and Physical	Long-Tenn Hydrostatic Pressure Determination of Weight Dimension Tolerances und out-of Roundness Heat Reversion	Polypropylene (PP) Pipes	DIN R077 DIN 8078
Chemical and Physical	Determination of compressive strength 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	Cement	I.G.O 198 I.Q.S No. 5 I.G.O 472
Mechanical and Physical	Determination of compressive strength Determination of absorption Determination of dimensions	Concrete interlocking paving units	ASTM C140 T.Q.S No. 1606
Mechanical and Physical	Determination of compressive strength Determination of modulus rapture and breaking strength Determination of setting time	Gypsum	IQS 28:1988
Mechanic.al and Physical	Determination of flexural Determination of dimensions Determination of absorption	Terrazzo Tiles	IQS 1042
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

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Physical and chemical	Determination of CI, SO_3, 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 D1143 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		
Mechanical	Determination of compressive strength	Concrete core	Iraqi guide no 348
Physical	Determination of density	Concrete core	Iraqi guide no. 247
Physical	Soil investigation wet preparation of soil sample for particle size analysis and determination of soil	Soil	ASTM D 1557 ASTM D 1556 ASTM D 1587
Physical	Soil investigation Thin walled tube of soil sample for Geotechnical purposes	Soil	ASTM D 1452 ASTM D 2217 ASTM D 2216,ASTM D 4750
Physical	Consolidation and swelling test	Soil	ASTM D2435-2
Physical	Surface Regularity test	Hot mix concrete pavement Asphalt	SORB R9 / 13 (Table R9/7)
Physical	Softening point	Thermoplastic road marking paints	Bs 3262 IQS 1744
Physical	Luminance		
Physical	Flow resistance		
Physical	Sieve analysis	Glass beads	Bs 6088
Physical	Spherical beads		
Physical	Acid resistance		
Physical	Stability	Decorative paint	IQS 1057:1988
Physical	Color		
Physical	Cover resistance		

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Physical	Stability	Emulsion paint for interior and exterior	IQS 960 :2000
Physical	Color		
Electrical	Ratio	Distribution Transformer	IEC 60296
Electrical	Transformer insulation		
Electrical	Insulating oil		
Electrical	Insulating	Mobile sub –station	IEC 60296 IEC 76/1967
Electrical	Insulating oil		
Electrical	Functional		
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		
Physical and Mechanical	Spacing and Diameter of steel bar	Concrete pipe	AASHTO T280-06 IQS 1432
	Area of reinforcement		
	Absorption		
Chemical	Determination SO_3 content	Concrete	Iraqi guide no 45 -1984
	Chloride content		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		