وزارة التخطيط
الهيأة العراقية للاعتماد
IQAS

شـــهـادة اعتـــمـاد

رقم TL 075

يقر نظام الاعتماد العراقي بأن:

مختبر الفحوصات الانشائية والكهربائية/
المعهد التقني – كوت/ الجامعة التقنية الوسطى

العراق – واسط - الكوت

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 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 2025/9/9 الى 2027/9/8
تاريخ منح الاعتماد لاول مرة
2022/5/19

المهندس
عبد الواحد محمد ابراهيم
مدير عام الهيأة/ وكالة

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

Ministry of planning
Iraqi Organization for Accreditation
IQAS

ACCREDITATION CERTIFICATE

No. TL 075

Iraqi Accreditation System Certify that:

Laboratory of Construction and Electrical Tests/ Kut Technical Institute/ Middle Technical University

Iraq –Wasit- Al-Kut

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
- 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 9/9/2025 To 8/9/2027
Initial accreditation date
19/5/2022

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 a 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**
Mechanical	**Standard test method for Marshall stability and flow of asphalt mixtures**	**Asphalt mixtures**	**- ASTM D 6927:2015** **- General Specifications for Roads and Bridges SORB/R6:1999 and amendment 2003**
Mechanical	**Standard practice for preparation of asphalt mixture specimens using apparatus**	**Asphalt mixtures specimens**	**- ASTM D 6927:2015** **- General Specifications for Roads and Bridges SORB/R6:1999 and amendment 2003**
Mechanical	**Determination of ultimate tensile strength**	**Steel reinforcing bars**	**ASTM A370:2021** **ASTM A615:2020**
Mechanical	**Determination of yield strength**	**Steel reinforcing bars**	**ASTM A370:2021** **ASTM A615:2020**
Mechanical	**Determination of elongation**	**Steel reinforcing bars**	**ASTM A370:2021** **ASTM A615:2020** **ISO 10606:1995**
Mechanical	**Determination of compressive strength**	**Bricks**	**IQS No.25:1988** **Amendment 1993**
Mechanical	**Determination of Modulus of Rupture**	**Mosaics tiles**	**IQS No.1042:1984** **(Amendment no.1/1988)** **(Amendment no.2/1988)** **(Amendment no.3/2013)** **(Amendment no.4/2013**
Mechanical	**Determination of Modulus of Rupture**	**Pre-cast concrete tiles**	**IQS no.1107:1987** **(Amendment No1/2002)** **(Amendment No2/2016)**
Mechanical	**Determination of compressive strength**	**Solid concrete interlocking paving units**	**IQS no.1606 /2017 (second revision)**

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Mechanical	**Determination of Modulus of Rupture**	**Portland cement**	**IQS no.5/2019 (first revision)**
Mechanical	**Determination of Abrasion Resistance**	**Solid concrete interlocking paving units**	**IQS no.1606 /2017 (second revision)**
Mechanical	**Determination of compressive strength**	**Portland cement**	**IQS no.5/2019 (first revision)**
Mechanical	**Determination of Time of Setting**	**Gypsum for building**	**IQS no.28 \ 2010 (First revision) (amendment no.1/2015)**
Mechanical	**Determination of Compressive Strength**	**Gypsum for building**	**IQS no.28 \ 2010 (First revision) (amendment no.1/2015)**
Mechanical	**Uniaxial Tension Test**	**Plastic wastewater pipes in internal building**	**IQS 1512/2022 First update**
Mechanical	**Pressure**	**UPVC water pipes**	**IQS No.5160-1&2&3:2022**
	Impact Resistance	**UPVC water pipes**	**IQS No.5160-1&2&3:2022**
Mechanical	**Longitudinal Reversion**	**Plastic wastewater pipes**	**IQS No.5037/2022 First update**
	Internal Pressure strength	**Plastic wastewater pipes**	**IQS No.5037/2022 First update**
	Impact Resistance	**Plastic wastewater pipes**	**IQS No.5037/2022First update**
	Vicat Softening Temperature (VST)	**Plastic wastewater pipes**	**IQS No.5037/2022 First update**
Mechanical	**Dichloromethane Resistance**	**UPVC water pipes**	**I.Q.S No.5160-1&2&3:2022**
	Acetone Effect	**UPVC water pipes**	**I.Q.S No.5160-1&2&3:2022**
	Cadmium Concentration	**UPVC water pipes**	**I.Q.S No.5160-1&2&3:2022**
	Vicat Softening Temperature (VST)	**UPVC water pipes**	**I.Q.S No.5160-1&2&3:2022**
Mechanical	**Dimensions, Diameter, Thickness (Ultrasonic), Hardness, Tension, Penetration Test**	**Pressure columns (clamped)**	**Technical Specification for Electrical Work D-46**
Mechanical	**Dimensions, Diameter, Thickness (Ultrasonic), Hardness, Tension**	**Pressure Columns (rounded)**	**Technical Specification for Electrical Work D-22**
Mechanical	**Dimensions, Diameter,**	**Lampposts**	**Technical Specification for**

	Thickness, Hardness		**Electrical Work D-13**
Mechanical	**Dimensions, Diameter, Thickness, Hardness**	**Decorative lighting poles**	**According to the manufacturer's specification**
Mechanical	**Dimensions, Diameter, Thickness, Hardness**	**Communication poles**	**Technical Specification for Electrical Work S . B . I 402**
Physical	**Determination of Dimensions**	**Bricks**	**IQS No.25:1988 Amendment 1993**
Physical	**Determination of Dimensions**	**Mosaics tiles**	**IQS No.1042:1984 (Amendment no.1/1988) (Amendment no.2/1988) (Amendment no.3/2013) (Amendment no.4/2013**
Physical	**Determination of Dimensions**	**Pre-cast concrete tiles**	**IQS No.1107:1987 (Amendment No.1/2002) (Amendment No. 2/2016)**
Physical	**Determination of Dimensions**	**Solid concrete interlocking paving units**	**IQS No.1606 /2017 (Second revision)**
Physical	**Color**	**Plastic wastewater pipes in internal building**	**IQS 1512/2022 First update**
	Diameter	**Plastic wastewater pipes in internal building**	**IQS 1512/2022 First update**
	Thickness	**Plastic wastewater pipes in internal building**	**IQS 1512/2022 First update**
Physical	**Diameter**	**Plastic wastewater pipes**	**IQS 1512/2022 First update**
	Thickness	**Plastic wastewater pipes**	**IQS 1512/2022 First update**
	Ovality	**Plastic wastewater pipes**	**IQS 1512/2022 First update**
Physical	**Outer Diameter**	**UPVC water pipes**	**IQS No.5160-1&2&3:2022**
	Thickness	**UPVC water pipes**	**IQS No.5160-1&2&3:2022**
	Ovality	**UPVC water pipes**	**IQS No.5160-1&2&3:2022**
Physical	**Determination of Absorption**	**Bricks**	**IQS No.25:1988 Amendment 1993**
Physical	**Presence of soluble salts (Efflorescence test)**	**Bricks**	**IQS No.25:1988 Amendment 1993**

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Physical	**Determination of Absorption**	**Mosaics tiles**	**I.Q.S No.1042:1984 (Amendment no.1/1988) (Amendment no.2/1988) (Amendment no.3/2013) (Amendment no.4/2013**
Physical	**Determination of Absorption**	**Pre-cast concrete tiles**	**I.Q.S No.1107:1987 (Amendment No1/2002) (Amendment No2/2016)**
Physical	**Determination of absorption**	**Solid concrete interlocking paving units**	**IQS No.1606 /2017 (second revision)**
Physical	**Determination of Fineness**	**Gypsum for building**	**IQS No.28 \ 2010 (First revision) (amendment no.1/2015)**
Physical	**Determination of Standard Consistency**	**Gypsum for building**	**IQS No.28 \ 2010 (First revision) (amendment no.1/2015)**
Physical & Mechanical	**Dimensional change after exposure to heat in the longitudinal direction**	**Plastic wastewater pipes in internal building**	**IQS 1512/2022 First update**
	Effect of high temperatures	**Plastic wastewater pipes in internal building**	**IQS 1512/2022 First update**
	Impact Strength	**Plastic wastewater pipes in internal building**	**IQS 1512/2022 First update**
Physical	**Dimensional change after exposure to heat**	**UPVC water pipes**	**IQS No.5160-1&2&3:2022**
Visual	**Appearance**	**Plastic wastewater pipes in internal building**	**IQS 1512/2022 First update**
Visual	**Appearance**	**Plastic wastewater pipes**	**IQS No.5037/2022 First update**
	Color	**Plastic wastewater pipes**	**IQS No.5037/2022 First update**
Visual	**Appearance**	**UPVC water pipes**	**IQS No.5160-1&2&3:2022**
	Color	**UPVC water pipes**	**IQS No.5160-1&2&3:2022**

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Chemical	**Dichloromethane Resistance**	**Plastic wastewater pipes in internal building**	**IQS 1512/2022 First update**
	Combustion resistance	**Plastic wastewater pipes in internal building**	**IQS 1512/2022 First update**
	Vicat Softening Temperature (VST)	**Plastic wastewater pipes in internal building**	**IQS 1512/2022 First update**
Chemical	**Dichloromethane Resistance**	**Plastic wastewater pipes**	**IQS No.5037/2022 First update**
Electrical	**Resistance, Diameter, Current, Insulation, Type of Material**	**Underground electrical cables - low voltage**	**Technical Specification for Electrical Work D-04**
Electrical	**Resistance, Diameter, Current, Insulation, Type of Material, Capacitance, and Inductor**	**Ground electrical cables - high voltage**	**Technical Specification for Electrical Work D-03**
Electrical	**Resistance, Diameter, Current, Insulation, Type of Material**	**Suspended cable**	**Technical Specification for Electrical Work D-30**
Electrical	**Resistance, Diameter, Current, Weight**	**High-Voltage aluminum and copper wires**	**Technical Specification for Electrical Work D-47, D-45, D-23**
Electrical	**All Testing**	**Light cell**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**Windings Resistance, Insulation for primary and secondary windings, Voltage and turns ratio testing, Transformer Oil, losses**	**Distribution transformers**	**Technical Specification for Electrical Work D-26**
Electrical	**Spark Voltage for dry and wet insulator**	**Ceramic Insulators & Spacer Fuse + insulating discs**	**Technical Specification for Electrical Work D-24**

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Electrical	**Capacitance, Disconnected Time, Instantaneous Disconnected, Type of Breaker**	**Circuit breakers low pressure and all capacities Motorize & molded case types**	**IEC 60898-2**
Electrical	**Tension, Hardness, Dimensions, Insulation**	**Splicing equipment**	**Technical Specification for Electrical Work D-31**
Electrical	**Insulation, Leakage**	**Lightning rod**	**Technical Specification for Electrical Work D-14**
Electrical	**Power, Dimensions**	**Lighting compositions**	**Technical Specification for Electrical Work D-11**
Electrical	**Resistance, Dimensions, Type of Materials**	**Ground check**	**Technical Specification for Electrical Work D-28**
Electrical	**According to the component test**	**Electrical installations**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**All Testing**	**Brackett jenn**	**Technical Specification for Electrical Work D-**
Electrical	**All Testing**	**Electric plastic tube**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**All Testing**	**Wire (1.5 2.5 4) mm + terminal**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**All Testing**	**Phone wire**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**All Testing**	**Satellite wire**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**Resistance, Diameter, Current, Insulation, Type of Material**	**Meet single core high voltage**	**Technical Specification for Electrical Work D-03**

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Electrical	**All Testing**	**Kiosk**	**Technical Specification for Electrical Work D-06**
Electrical	**All Testing**	**High-pressure expansion**	**Technical Specification for Electrical Work D-40**
Electrical	**All Testing**	**High-pressure cut-out**	**Technical Specification for Electrical Work D-25**
Electrical	**All Testing**	**Separator (SF6) high pressure**	**Technical Specification for Electrical Work D-25**
Electrical	**All Testing**	**Gauge box with gauge (3ph)**	**Technical Specification for Electrical Work D-15**
Electrical	**All Testing**	**Distribution box (plr)**	**Technical Specification for Electrical Work D-29**
Electrical	**All Testing**	**End cap box (outer middle or inner)**	**Technical Specification for Electrical Work D-32- D-33**
Electrical	**All Testing**	**Main ring unit**	**Technical Specification for Electrical Work D-07 D-08+ D-09**
Electrical	**All Testing**	**Hook hook**	**Technical Specification for Electrical Work D-31**
Electrical	**All Testing**	**Pull hook**	**Technical Specification for Electrical Work D-31**
Electrical	**All Testing**	**Hanging hook**	**Technical Specification for Electrical Work D-31**
Electrical	**All Testing**	**Arth Rod (copper)**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**All Testing**	**City wire**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**All Testing**	**Gliefield cable (communication) from (0.5 x 2 x 100) to (0.5 x 2 x 600)**	**Technical Specification for Electrical Work S . B . I 402**

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Electrical	**All Testing**	**Gliefield cable (communication) from (0.5 x 2 x 10) to (0.5 x 2 x 50)**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**All Testing**	**Split phone**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**All Testing**	**Connecting beads (connections)**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**All Testing**	**Connecting combs (connections)**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**All Testing**	**Small node cable (communication)**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**All Testing**	**Medium knot (communication) cable**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**All Testing**	**Cable knot (large)**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**All Testing**	**Submersible**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**All Testing**	**Water pump**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**Current, Voltage, Power Factor, Active Power, Apparent power, Motor Power, Loads, Muffler, Tank**	**Generators**	**Technical Specification for Electrical Work D-34, D-35**
Electrical	**Resistance, Capacitance, Insulation Thickness, Diameter, Disconnected Location, Insulation, Signal Frequency, Signal Speed**	**Internet network operators**	**Technical Specification for Electrical Work S . B . I 402**

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Electrical	**Conductor Type, Resistance, Conductor Capacitance, Diameter Inner, Diameter, Insulation Type, Signals, Conduction Network, Protection Tape, Working Voltage, Insulation**	**Camera system cable**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**Conductor Type, Resistance, Conductor Capacitance, Diameter, Diameter, Insulation Type, Signals, Conduction Network, Protection Tape**	**CCTV midwives**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**Thickness, Loss at a wavelength, Total Length, Cut and wilding, Wire cover, Humidity Supports, Mechanical Supports and Tension**	**Photovoltaics**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**Type of Solar Cell, Power, No. of Busbar, Voltage, Current, Efficiency**	**Solar panels**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**Windings Resistance, Insulation, Power, Current, Speed, Capacitance, Pressure**	**Alum cyanosis**	**Technical Specification for Electrical Work S . B . I 402**
Electrical	**Windings Resistance, Insulation, Voltage, Current, Speed, Power, Height**	**Vertical pumps (poster)**	**Technical Specification for Electrical Work S . B . I 402**