

Ministry of planning
Iraqi Organization for Accreditation
IQAS

ACCREDITATION CERTIFICATE

No.TL 087



Iraqi Accreditation System Certify that:

**Al-Furat Al-Awsat Technical University – Technical Institute-
Laboratory of Najaf Institute for Structural and Electrical Testing**
Iraq – Al- Najaf Al-Ashraf – Abu Sukair Street – near Al-Radaweya Bridge

Is accredited according to the requirements of the standard ISO/IEC17025:2017
(General Requirements for the Competence of Testing and Calibration Laboratories)

In the field of:

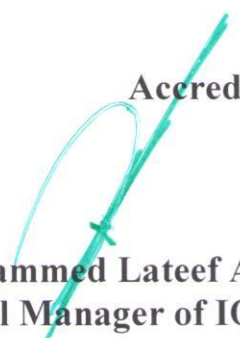
- Construction Materials Testing
- Metallurgical Materials Testing
- Polymer Materials Testing
- Electrical & Electronic Devices Testing

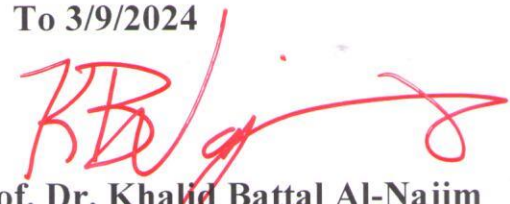
This accreditation is subject to with the above standard & IQAS requirements
The scope of accreditation is attached to the certificate & considered as part of it

The most recent issue of the accreditation scope is available on IQAS website
<https://iqas.mop.gov.iq>

Accreditation is valid From 4/9/2022 To 3/9/2024

Initial accreditation date
4/9/2022


Dr. Mohammed Lateef Ahmed
General Manager of IQAS


Prof. Dr. Khalid Battal Al-Najim
Minister of Planning

شهادة اعتماد

رقم TL 087



يقر نظام الاعتماد العراقي بأن:

جامعة الفرات الاوسط التقنية/ المعهد التقني/مختبر معهد النجف للفحوصات الانشائية والكهربائية

العراق - النجف الاشرف - شارع ابو صخير - قرب جسر الرضوية
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

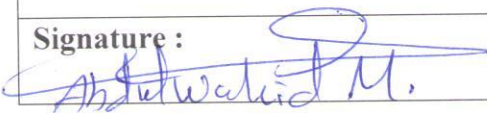
شرط التوافق مع متطلبات المواصفة اعلاه ومتطلبات IQAS الخاصة بالاعتماد
مجال الاعتماد المرفق بالشهادة يعتبر جزءا لا يتجزأ منها
يمكن الحصول على الاصدار الاحدث من مجال الاعتماد من خلال الموقع الالكتروني

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

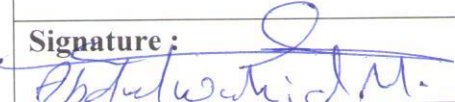
يكون الاعتماد نافذا من ٢٠٢٢/٩/٤ الى ٢٠٢٤/٩/٣
تاريخ منح الاعتماد لأول مرة
٢٠٢٢/٩/٤

أ.د. خالد بتال النجم
وزير التخطيط

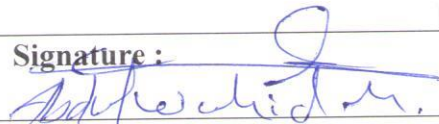
د. محمد لطيف أحمد
مدير عام الهيئة العراقية للاعتماد/ وكالة

	استمارة مجال الاعتماد Scope of Accreditation form	نظام الاعتماد العراقي IQAS
Organization address: Iraq – Al- Najaf Al-Ashraf –Abu Sukair Street – near Al- Radaweya Bridge	Organization name : Al-Furat Al-Awsat Technical University –Technical Institute- Laboratory of Najaf Institute for Structural and Electrical Testing	Accreditation no.: TL 087
Signature : 	Accreditation is valid: From 4/9/2022 To 3/9/2024	Issue no. : 001

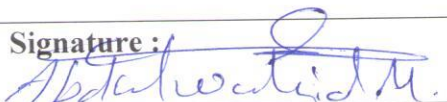
Testing field	Type of test	Test object product	Reference to standardized method
Mechanical	Determination of compressive strength	Portland Cement	Iraqi Specification No. 5/1984 ASTM C150/150M-2015
Physical	Determination of initial and final setting time	Portland Cement	Iraqi Specification No. 5/1984 ASTM C150/150M-2012 Iraqi guide 198
Chemical	Determination of sulfate contains	Coarse and fine aggregate for concrete construction	Iraqi Specification No. 45
Physical	Determination of sieve analysis (grading)	Coarse and fine aggregate for concrete construction	Iraqi Specification No. 45
Mechanical and Physical	Determination of fracture strength, absorption, finishing and face edges, shape and dimensions, wear.	Terrazzo Tiles	Iraqi Specification No. 1042/1984
Mechanical and Physical	Determination of materials, shape and dimensions, general face, color, section.	Ordinary Tiles	Iraqi Specification No. 1043/1984
Mechanical and Physical	Determination of shape and dimensions, fracture strength, cross section, absorption, Percent of SiO ₂ sulfate	Pre-cast concrete Krebs and channels	Iraqi Specification No. 1106/1987
Mechanical and Physical	Determination of general appearance, dimensions, types, absorption, compressive strength, wearing strength.	Concrete pavement bricks	Iraqi Specification No. 1606/2006

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Mechanical and Physical	Determination of dimensions, tolerance, compressive strength, density, shrinkage, absorption	Sand-lime bricks and blocks	Iraqi Specification No. 548/1988
Physical and Mechanical	Determination of type dimensions, general appearance, compressive strength, absorption, efflorescence.	Clay building bricks	Iraqi Specification No. 25/1988
Physical and Mechanical	Determination of cube dimensions, density, compressive strength	Concrete compressive strength	Iraqi building code requirements for reinforced concrete 1/1987. BS 12390-3
Physical and Mechanical	Determination of general face, density, diameter, elongation, tensile strength, yield strength, bending strength.	Steel bars	ASTM A370:2021 ASTM A615:2020
Physical and Mechanical	Determination of dimensions, tensile strength, yield strength, elongation	Steel plate	ASTM A36/A36M-2005
Physical and Mechanical	Determination of tensile strength, bending strength, elongation.	Steel pipes	ASTM A53/A53M-12
Physical and Mechanical	Determination of dimensions, compression, impact, resistance to external blows, pressure.	U- PVC pipes For drinking water	DIN8061/1994
Physical and Mechanical	Determination of appearance, dimensions, roundness, pipe thickness, impact resistance.	U- PVC pipes For waste water	DIN EN 1329-1/1999

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Physical And Mechanical	Determination of appearance, dimensions, roundness, pipe thickness, impact resistance, pressure.	PPR pipes	DIN 8077/2008
Physical And Mechanical	Determination of dimensions, pressure, cover, weight, material, grade, frame	Manhole cover	BS EN 124/2015
Physical	Determination of compaction	Earth work	SORB/R5
Physical and Mechanical	Determination of compaction, swelling, CBR.	subgrade, sub base.	SORB/R6
Physical and Mechanical	Determination of sieve analysis, crushing ratio, CBR, stability, wearing ratio.	Crushed limestone base course, crushed gravel base course	SORB/R7
Physical and Mechanical	Determination of materials, compressive strength of cubes, joints sealant materials	Concrete pavement	SORB/R10
Electrical	Determination of insulation test, polarization index, standoff voltage	Electric cables ,wires	IEC60227:"polyvinyl chloride insulated cables of rated voltages up to and including 450/750V" BS 6346:"Electric cables . PVC insulated, armored cables for voltages of 600/1000 v and 1900/3300v" المواصفات الفنية للأعمال الكهربائية الجهاز المركزي للتقييس والسيطرة النوعية م.ب.ع ٢٠٤ 2015
Electrical	Determination of transformers, winding isolation ,oil breakdown	Power transformers	IEC 60076:" Power transformers". المواصفات الفنية للأعمال الكهربائية

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	isolation test, electrical discharge test		الجهاز المركزي للتقييس والسيطرة النوعية ٢٠١٥ م.ب.ع ٢٠٤
Physical	Determination of measuring of thickness and overall dimension	Wire, Cables, conductor	IEC60227:"polyvinyl chloride insulated cables of rated voltages up to and including 450/750V"
Physical	Determination of wire and conductor weight	Wire, Cables, conductors	BS 6346:"Electric cables . PVC insulated, armoured cables for voltages of 600/1000 v and 1900/3300v"