وزارة التخطيط
الهيأة العراقية للاعتماد
IQAS

شـــهـادة اعتـــمـاد

رقم TL 103

يقر نظام الاعتماد العراقي بأن:

مختبرات مكتب الخدمات العلمية والاستشارية/ الكلية التقنية الهندسية - الموصل/ الجامعة التقنية الشمالية

العراق – نينوى – الموصل – شارع المنصة- مقابل مستشفى ابن الاثير

تم اعتمادها وفقا لمتطلبات المواصفة ISO/ IEC 17025:2017
(المتطلبات العامة لاهلية مختبرات الفحص والمعايرة)

في مجال:

- اختبارات المواد الانشائية
- اختبارات المواد المعدنية
- 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 2025/3/5 الى 2027/3/4
تاريخ منح الاعتماد لاول مرة
2022/12/7

المهندسة
بان ابراهيم نوروز
مدير عام الهيأة

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

Ministry of planning
Iraqi Organization for Accreditation
IQAS

ACCREDITATION CERTIFICATE

No. TL 103

Iraqi Accreditation System Certify that:

Laboratories of Bureau of Scientific and Advisory Services /Technical Engineering College of -Mosul/ Northern Technical University

Iraq – Nineveh - Mosul- Alminassa street- in front of Ibn Alatheer hospital

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**
- **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 5/3/2025 To 4/3/2027
Initial accreditation date
7/12/2022

Eng. Ban Ibrahim Nawrooz
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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Signature: **Eng. Ban Ibrahim Nawrooz** **Director General of IQAS**	**Accreditation is valid:** **From 5/3/2025 To 4/3/2027**	**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	Standard Test Method for Compressive Strength	Cylindrical concrete specimens	ASTM C39
Mechanical	Standard test method for flexural strength (using simple beam with third-point loading)	Concrete	ASTM C78
Mechanical	Standard test method for slump	Hydraulic-cement concrete	ASTM C143
Physical	Standard test method for air content by the pressure method	Freshly mixed concrete	ASTM C231
Physical	Standard test method for temperature	Freshly mixed hydraulic-cement concrete	ASTM C1064
Physical	Standard test method for water absorption	Ceramic tiles	ASTM C373
Physical	Standard test method for bulk density	Ceramic tiles	ASTM C373
Physical	Standard test method for apparent	Ceramic tiles	ASTM C373
Physical	Standard test method for porosity	Ceramic tiles	ASTM C373
Physical	Standard test method for apparent specific gravity	Ceramic tiles	ASTM C373
Mechanical	Standard test method for breaking strength	Ceramic tile	ASTM C648
Chemical	Standard test method for resistance to chemical substances	Ceramic tile	ASTM C650
Physical	Standard test methods for absorption	Dimension stone	ASTM C97
Physical	Standard test methods for Bulk specific gravity	Dimension stone	ASTM C97

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Mechanical	**Standard test method for compressive strength**	**Dimension stone**	**ASTM C170**
Physical	**Standard test method for abrasion resistance**	**Stone subjected to foot traffic**	**ASTM C241**
Physical	**Standard test methods for physical testing**	• **Gypsum** • **Gypsum plasters** • **Gypsum concrete**	**ASTM C472**
Physical	**Standard test methods for physical testing**	**Gypsum panel products**	**ASTM C473**
Physical	**Standard specification for calcium silicate brick (sand-lime brick)**	**Calcium silicate brick**	**ASTM C73**
Physical & Mechanical	**Standard test methods for sampling and testing concrete**	**Masonry units**	**ASTM C140**
Physical & Mechanical	**Standard specification for Portland cement**	**Portland cement**	**ASTM C150**
Mechanical	**Standard specification for asphalt-saturated organic felt used in roofing and waterproofing**	**Asphalt-saturated organic**	**ASTM D226**
Physical & Mechanical	**Standard specification for asphalt-saturated organic felt underlayment used in steep slope roofing**	**Asphalt-saturated organic**	**ASTM D4869**
Physical	**Standard specification for ready-mixed concrete**	**Mixed concrete**	**ASTM C94/C94M**
Non-destructive testing	**Ultrasonic pulse velocity**	**Concrete**	**(ISO/TC 135/SC 3)** **ASTM C597**
Mechanical	**Standard test method for rebound number**	**Hardened concrete**	**ASTM C805**
Electrical	**Standard for molded-case circuit**	**Circuit breakers**	**UL 489**

	breakers, molded-case switches, and circuit breaker enclosures	(single and three phase)	
Physical	Standard test method for penetration	Bituminous materials	ASTM D5
Physical	Standard test method for softening point (ring-and-ball apparatus)	Bitumen	ASTM D36
Physical	Standard test method for flash and fire points by Cleveland open cup	Bituminous materials	ASTM D92
Mechanical	Standard test method for ductility	Bituminous materials	ASTM D113
Physical	Standard test method for solubility trichloroethylene	Asphalt	ASTM D2042
Physical	– Standard test method for viscosity determination at elevated temperatures using a rotational viscometer	Asphalt	ASTM D4402
Physical	Standard test method for determining the flexural creep stiffness using the bending beam rheometer (BBR)	Asphalt binder	ASTM D6648
Mechanical	Standard test method for Marshall stability and flow	Asphalt mixtures	ASTM D6927
Physical	Standard test method for theoretical maximum specific gravity and density (rice test)	Bituminous paving mixtures	ASTM D2041
Physical	Standard test method for bulk specific gravity and density	Non-absorptive compacted bituminous mixtures	ASTM D2726
Physical	Standard test method for bulk specific	Compacted	ASTM D1188

	gravity and density using paraffin-coated specimens	**bituminous mixtures**	
Physical	**Standard test method for percent air voids in compacted dense and open bituminous paving mixtures**	**Bituminous paving mixtures**	**ASTM D3203**
Mechanical	**Standard test method for resistance to plastic flow using the Marshall apparatus (Marshall stability test)**	**Bituminous mixtures**	**ASTM D1559**
Mechanical	**Standard test method for effect of moisture on asphalt concrete paving mixtures (tensile strength ratio, TSR)**	**Asphalt concrete paving mixtures**	**ASTM D4867**
Physical	**Standard test method for density in place by nuclear methods**	**Bituminous concrete**	**ASTM D2950**
Mechanical	**Standard test method for indirect tensile (IDT) strength**	**Bituminous mixtures**	**ASTM D6931**
Physical	**Standard test methods for measurement of hydraulic conductivity using a flexible wall permeameter**	**Saturated porous materials**	**ASTM D5084**
Mechanical	**Determination of yield strength**	**Steel reinforcing bars**	**ASTM A370** **ASTM A615**
Mechanical	**Determination of ultimate tensile strength**	**Steel reinforcing bars**	**ASTM A3707** **ASTM A615**
Mechanical	**Determination of elongation**	**Steel reinforcing bars**	**ASTM A370** **ASTM A615**
Mechanical	**Determination of bending**	**Steel reinforcing bars**	**ASTM A370** **ASTM A615** **ASTM E290**
Mechanical	**Standard specification for low-alloy steel deformed and plain bars**	**Steel reinforcing bars**	**ASTM A706**

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Mechanical	**Standard specification for zinc-coated (galvanized) steel bars**	**Steel reinforcing bars**	**ASTM A767**
Physical & Mechanical	**Standard specification for structural steel shapes**	**Structural steel shapes**	**ASTM A992**
Physical & Mechanical	**Standard specification for cold-formed welded and seamless carbon steel structural tubing in rounds and shapes**	**Carbon steel structural**	**ASTM A500**
Electrical	**Standard specification for soft or annealed copper wire.**	**Low voltage cables**	**ASTM B3**
Electrical	**Standard specification for concentric-lay-stranded copper conductors, hard, medium-hard, or soft.**	**Low voltage cables**	**ASTM B8**
Electrical	**Standard specification for vinyl chloride plastic pressure-sensitive electrical insulating tape**	**High voltage cables**	**ASTM D2301**
Electrical	**Standard practice for calculating viscosity index from kinematic viscosity at 40 °c and 100 °c.**	**High voltage cables**	**ASTM D2270**