

Ministry of planning
Iraqi Organization for Accreditation
IQAS

ACCREDITATION CERTIFICATE

No. TL 007



Iraqi Accreditation System Certify that:

**Al-Ahmed Laboratory for Engineering
Consultancy and Construction Testing**
Iraq – Baghdad- Al-Wazireya

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

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 29/11/2023 To 28/11/2025

Initial accreditation date
10/11/2016

Dr. Mohammed Lateef Ahmed
General Manager of IQAS

Dr. Mohammed Ali Tamim
Deputy Prime Minister
Minister of Planning

7-12-2023

	استمارة مجال الاعتماد Scope of Accreditation form	نظام الاعتماد العراقي IQAS
Organization address: Iraq – Baghdad- Al-Wazireya	Organization name : Al-Ahmed Laboratory for Engineering Consultancy and Construction Testing	Accreditation no.: TL 007
Signature:  Abdul Wahid Mohammed Ibrahim Deputy General Manager	Accreditation is valid: From 29/11/2023 To 28/11/2025	Issue no. : 004

Testing Field	Type of Test	Test Object or Product	Reference to Standardized Method
Mechanical	Test for resistance to degradation of small-size coarse aggregate by abrasion and impact in the Los Angeles machine	Aggregate	ASTM C131 / C131M – 2020
Physical	Test for sieve analysis of fine and coarse aggregates	Aggregate	ASTM C136M – 2019
Chemical	Determination of SO ₃ content	Aggregate	Iraqi guide no.500:2018
Mechanical	Test for unconfined compressive strength of cohesive soil	Soil	ASTM D2166-16
Mechanical	Test for laboratory compaction characteristics of soil using standard effort (600 kN-m/m ³)	Soil	ASTM D698 - 12e2
Mechanical	Test methods for laboratory compaction characteristics of soil using modified effort (2,700 kN-m/m ³)	Soil	ASTM D1557-12e1
Mechanical	Test for California bearing ratio (CBR) of laboratory-compacted soils	Soil	ASTM D1883-2021
Physical	Consolidation - One Dimensional Properties (Oedometer)	Soil	BS 1377: Part 5
Physical	Liquid and plastic limits (Atterberg limits)	Soil	BS 1377: Part 2
Physical	Test for density and unit weight of soil in place by sand-cone method	Soil	ASTM D1556M-15
Mechanical	Determination of time of setting by Vicat needle	Cement	ASTM C191-19 Iraqi guide No.198-1990
Mechanical	Determination of compressive strength	Cement	ASTM C109-2021 Iraqi guide No.198-1990
Mechanical	Determination of cement strength	Cement	BS EN 196-1- 2016
Chemical	Chemical analysis by X-ray fluorescence	Cement	EN 196-2:2013
Mechanical	Determination of compressive strength	Clay bricks	IQS:24 (1988) IQS:25 (1988)
Mechanical	Marshall Stability and Flow of Asphalt Mixtures	Asphalt mixture	ASTM D6927 – 2022

	استمارة مجال الاعتماد Scope of Accreditation form	نظام الاعتماد العراقي IQAS
Organization address: Iraq – Baghdad- Al-Wazireya	Organization name : Al-Ahmed Laboratory for Engineering Consultancy and Construction Testing	Accreditation no.: TL 007
Signature:  Abdul Wahid Mohammed Ibrahim Deputy General Manager	Accreditation is valid: From 29/11/2023 To 28/11/2025	Issue no. : 004

Mechanical	Standard test method for asphalt content of Asphalt Mixture by ignition method	Asphalt mixture	ASTM D6307 - 19 (69B)
Mechanical	Standard test method for penetration test for Bitumen materials	Asphalt mixture	ASTM D5-2020
Mechanical	Determination of compressive strength	Concrete	EN 12390-3-2020
Non-destructive test (NDT)	Test for pulse velocity through concrete	Concrete	ASTM C597 – 2022
Non-destructive test (NDT)	Test for rebound number of hardened concrete	Concrete	ASTM C805M – 18
Chemical	Determination of TDS content	Water	ASTM C1602-2022
Chemical	Determination of PH	Water	ISO 4316:1977
Mechanical	Determination of modulus of rupture and breaking strength	Ceramic tiles	ISO 10545-4
Mechanical	Determination of Compressive strength	Cellular concrete blocks (Thermostone)	Iraqi guide no.810 IQS 1441/2000
Mechanical	Determination of tensile strength	Steel reinforcing bars	ASTM A370-21 ASTM A615-20
Mechanical	Determination of yield strength	Steel reinforcing bars	ASTM A370-21 ASTM A615-20
Mechanical	Determination of elongation	Steel reinforcing bars	ASTM A370-21 ASTM A615-20
Mechanical	Bending testing	Steel reinforcing bars	ASTM A370-21 ASTM A615-20
Mechanical	Determination of tensile strength	Steel reinforcing bars	ISO 15630 – 1
Mechanical	Determination of tensile strength	Steel	EN ISO 6892 – 1

شهادة اعتماد

رقم TL 007



يقر نظام الاعتماد العراقي بأن:
مختبر الاحمد للاستشارات الهندسية والفحوصات الانشائية
العراق - بغداد - الوزيرية

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

في مجال:
- اختبارات المواد الانشائية
- اختبارات المواد المعدنية

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 ٢٠٢٣/١١/٢٩ الى ٢٠٢٥/١١/٢٨
تاريخ منح الاعتماد لأول مرة
٢٠١٦/١١/١٠

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

٢٠٢٤/١٢/٧

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