

شهادة اعتماد

رقم TL 071



يقر نظام الاعتماد العراقي بأن:

مختبر العين للفحوصات الانشائية

العراق - الانبار - رمادي - حي الزيتون

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 المواد المطاطية

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 2025/7/10 الى 2027/7/9
تاريخ منح الاعتماد لأول مرة
2022/3/17

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

المهندس
عبد الواحد محمد ابراهيم
مدير عام الهيئة/ وكالة

Ministry of planning
Iraqi Organization for Accreditation
IQAS

ACCREDITATION CERTIFICATE

No. TL 071



Iraqi Accreditation System Certify that:

Al-Ain Constructional Laboratory

Iraq – Al Anbar –Ramadi - Al Zaytoon Quarter

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
- Rubber 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 10/7/2025 To 9/7/2027

Initial accreditation date
17/3/2022


Eng. Abdul Wahid M. Ibrahim
Director General of IQAS

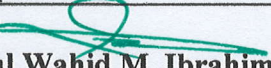

Dr. Mohammed Ali Tamim
Deputy Prime Minister
Minister of Planning

	استمارة مجال الاعتماد Scope of Accreditation form	نظام الاعتماد العراقي IQAS
Organization address: Iraq – Al Anbar –Ramadi - Al Zaytoon Quarter	Organization name: Al-Ain Constructional Laboratory	Accreditation no.: TL 071
Signature:  Eng. Abdul Wahid M. Ibrahim Director General of IQAS	Accreditation is valid: From 10/7/2025 To 9/7/2027	Issue no.: 002

Testing field	Type of test	Test object or product	Reference to standardized method
Mechanical & Physical	Determination of compressive strength Determination of density	Concrete cubes	Iraqi standard specifications 52 Iraqi Guide no.348: 2017 Iraqi Guide no.274: 1992
Physical & chemical	Gradient (SO ₃) Sand Equivalent Los Angeles	Gravel Sand	ASTM C33/C33M-13. ASTM C117 . الدليل الاسترشادي المرجعي العراقي رقم - (500/3). ASTM D2419-22 ASTM C131/2014
Physical & chemical	Initial & final setting time Compression Le Chatelet integrity Specific gravity Chemical tests: Determination of SO ₃ content Determination of MgO content Loss on Ignition Determination of insoluble matter	Cement	BS EN 196-1 BS EN 196-2 BS EN 196-3 ASTM C188 -23
Mechanical	Yield Strength Tensile Strength Elongation Bending	Reinforcing steel bar	ASTM A370 ASTM A615 ASTM E290
Mechanical & Physical	(Dimensions) (Mass per Meter) (Nominal Area Verification) (Breaking Strength) (Elongation)	Strand	ASTM A416-18 ASTM A1061M
Physical	Solid content	Concrete admixtures	ASTM C494-24
Chemical	TDS SO ₄ content	Water used in making concrete	ASTM C1602-12
Physical & Chemical	Dimension Density	Concrete pipes	AASHTO T280 ASTM C497

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	Steel bars SO ₃		
Physical	Sand cone method Cylinder cutter method	In situ density	BS 1377-9 ASTM D1556-15
Physical	Softening point Penetration Flash point Ductility	Bitumen	ASTM D5 – 20 ASTM D36-20 ASTM D92 – 12 ASTM D113– 12
Mechanical & Physical	Dynamic Shear Rheometer (D.S.R) Elastic Recovery Separation Tendency of Polymer Viscosity By Rotational Viscometer	Modified Bitumen by Polymer	AASHTO T315-19 ASTM D6084-21 ASTM-D7173-20 ASTM D4402-23
Physical	Viscosity Water content Flash point	Prime Coat Tack Coat	AASHTO T72/2010 ASTM D95-2010 ASTM D92 – 12
Physical	Viscosity Water content Particle charge	Cationic Emulsified Asphalt	AASHTO M 208- 2013 ASTM D7402-09 ASTM D244-2017
Mechanical & Physical	Stability Flow Air void Density Bitumen Content by Ignition	Asphalt	ASTM D6927 – 22 ASTM D6926 – 20 ASTM D2041-19 ASTM D2726 19 ASTM D6307-19
Physical	Thickness Density	Asphalt Core	ASTM D3549– 18 ASTM D2726 19
Physical	Oil & Ester Softening point Luminance factor	White and yellow road marking paint	EN-1871 BS-3262
Physical	Coefficient of Retroreflection - RA	Sign Road	ASTM D4956-13
Mechanical & Physical Chemical	Dimensions Yield Strength Tensile Strength Elongation Galvanization	Handrail Guardrail	ASTM A370-12 ASTM A123 -15
Mechanical	Visual inspection	Bearing Pads &	ASTM D4014-13

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& Physical &Chemical	Dimensions Tensile strength Resistance to ozone	Joints	ASTM D412-06 ASTM D1149
Physical	Dimensions Acetone effect	PVC pipes	DIN 8061, DIN 8062, ASTM D 1603 BS EN ISO 1452-1:2009 ISO 3126 & ASTM D2152-2010
Chemical	(Particle Size Distribution). (Percentage of Spherical Beads). (Flotation Coating). (Moisture-proof Coating). (Acid Resistance)	Glass beads	BS 6088:1981
Non- distractive	Rebound Hammer Ultrasonic Pulse Velocity	Concrete	ASTM C805-13 ASTM C597
Mechanical & Physical	Sieve analysis Specific gravity Plasticity Index	Filler	AASHTO T37-2007 ASTM C188 -23 AASHTO T90 AASHTO T89 ASTM C117-23
Physical & chemical	Liquid limit and plasticity index SO ₃ content Gypsum Content maximum density optimum moisture content CBR Sieve analysis Pass No. 200 sieve	Soil	AASHTO T90 AASHTO T89 BS 1377-3:2018+A1:2021 ASTM D1557-2012 ASTM D1883-21 ASTM C117-23