

شهادة اعتماد

رقم TL 009



يقر نظام الاعتماد العراقي بأن:
مختبر بغداد المركزي / المركز الوطني للمختبرات الانشائية
العراق - بغداد - كمب سارة

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

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

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

يكون الاعتماد نافذا من ٢٠٢٤/٦/٢٦ الى ٢٠٢٦/٦/٢٥
تاريخ منح الاعتماد لأول مرة
٢٠١٧/١/١٩

سفة

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

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مدير عام الهيئة العراقية للاعتماد

ACCREDITATION CERTIFICATE

No. TL 009



Iraqi Accreditation System Certify that:
**Central Baghdad Laboratory /National Center for
Construction Laboratories**

Iraq – Baghdad – Campsara

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

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 26/6/2024 To 25/6/2026
Initial accreditation date
19/1/2017

Dr. Mohammed Lateef Ahmed
General Manager 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 – Baghdad – Campsara	Organization name : Central Baghdad Laboratory /National Center for Construction Laboratories	Accreditation no.: TL 009
Signature:  Abdul Wahid Mohammed Ibrahim Deputy General Manager	Accreditation is valid: From 26/6/2024 To 25/6/2026	Issue no. : 004

Testing field	Type of test	Test object or product	Reference to standardized method
Mechanical	Determination of Tensile strength Determination of Yield strength Determination of Elongation Determination of Bending Test	Reinforcing Steel bar	B. S. 4449/2005 + A2 :2009 ASTM A370/2023 ASTM A615/2023 E290-14-2022
Mechanical	Determination of Compressive strength for road & bridges of IQ Determination of Compressive Strength	Concrete Cube	BS-EN 12390-3 IQ Code 1/1987 Iraqi Guide 348/2017 Iraqi Guide 274/1992
Physical	Determination of Density		
Physical	Determination of Dimensions Determination of Compressive Strength Determination of water absorption	- Concrete Masonry Units - Concrete masonry Units (bonza)	I.Q.S (1077) 1987 Iraqi Guide 32/1989 ASTM C140/2023
Mechanical	Determination of Compressive Strength		
Mechanical	Determination of abrasion resistance test	Concrete Paving Block	BS-EN (1338-2003)
Physical	Determination of Dimensions Determination of water Absorption	Concrete Paving	I.Q.S (1606/2017) ASTM C140/2023
Mechanical	Determination of Compressive Strength		
Physical	Determination of Dimensions Determination of water Absorption	Precast Concrete Flags	I.Q.S No 1107/1988 Amendment (1)/2002 Amendment (2)/2016
Mechanical	Determination of Modulus of Rupture		

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		Marking Materials (White, yellow Materials)	Bridges Seation-R16
Physical	Determination of Cone Penetration	Sealants and Fillers, Hot Applied, and Joints and Cracks in Asphalt pavements And Portland Cement concrete Pavements	ASTM D5329 ASTM D5
Mechanical	Determination of ductility	Asphalt cement	ASTM D113 AASHTO T51
Physical	Determination of Thickness of compacted bituminous paving mixture Specimens	Asphalt Mixture	ASTM D3549 & SCRB- R9/2003
Physical	Determination of Separation	Polymer Modified Asphalt binder	ASTM D7173 with ASTM D36 AASHTO T53
Mechanical	Determination of Elastic Recovery	Polymer Modified Asphalt binder	ASTM D 6084 AASHTO T 301
Physical	Determination of Stiffness (S) and m-value	Asphalt Binder for use in Pavement Construction (Asphalt binders modified with Polymers or Asphalt cement	ASTM D6648 AASHTO T313
Physical	Prepares (PAV) aged samples for further testing	Asphalt Binder for use in Pavement Construction	ASTM D6521 ASTM D6373 AASHTO R28

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Physical	Determination of Dimensions Determination of water Absorption	Pre-Cast Concrete Kerbs	BS/EN 1340/2003
Mechanical	Determination of Modulus of Rupture		
Physical	Determination of Dimensions Determination of Absorption	Clay Building Bricks Masonry units (ASO)	I.Q.S 25 I.Q.S 24
Mechanical	Determination of Compressive Strength		
Physical	Determination of water Absorption Determination of Bulk Density	Natural Building Stone	I.Q.S 1387/2018 Iraqi Guide No(65/3)/2016
Physical	Determination of Face-Water Absorption Determination of Total Absorption Determination of Dimensions	Terrazzo Tiles	I.Q.S 1042/1984 Amendment (1) (2)/1988 Amendment (3) (4)/2013 Iraqi Guide (31)/1989
Mechanical	Determination of Modulus of Rupture		
Mechanical	Determination of Modulus of Rupture and Breaking Strength	Ceramic tile	BS-EN (10545)
Physical	Determination of Consistency Test Determination of Initial and Final Setting Time Determination of Soundness Determination of Fineness (for port & cement only)	Lime CEMENT & Portland Cement	BS-EN196-3 Iraqi Guide 198/1990 Amendment (1) – 2012 Amendment (2,3) – 2016 BS-EN196-1 BS-EN196-2-2013 Iraqi guide:472:1993 IQS No:5 : 1 st Amendment 2019 Lime specification
Mechanical	Compressive Strength (2) & (28) days		
Chemical	Determination Loss on Ignition Determination Residue		

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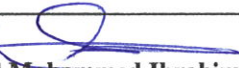
	Insoluble Determination of So3 Chemical Analysis By X-Ray Fluorescence (MgO , SiO2 , Al2O3 , Fe2O3 , CaO) Determination of So3 Determination of MgO Determination of C3A Determination of Chlorides		
Chemical	Iraqi guide :500/3 :2018 IQS No. 45	Aggregate	Determination of So3 Content
Chemical	Determination of So3 Content Determination of Chlorides in concrete	Hardened Concrete	Iraqi guide 448 : 1999 Iraqi Guide 448-1994
Chemical	Determination SO3 content	بورك & Gypsum	Iraqi guide : 273 :2012 IQS No.28 : 1 st Amendment 2010 BS-EN 13279-2-2014
Chemical	Determination SIO2 content		
Chemical	Determination Al2O3 & Fe2O3 content		
Chemical	Determination Loss on ignition		
Chemical	Determination CaO content		
Chemical	Determination MgO content		
Chemical	Determination Nacl content		
Chemical	Combined water Not combined water		
Chemical	Determination of Na2O + MgO		
Physical	Determination of Luminance Factor After Heat stability in the Field	Hot-applied Thermoplastic Road	B.S 3262 part 1& standard specification for roods and

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		(Asphalt binders modified with Polymers or Asphalt cement)	AASHTO M320
Mechanical	Determination of Complex shear modulus (G*) and phase angle (&)	Asphalt Binder for use in Pavement Construction (Asphalt binders modified with Polymers or Asphalt cement)	ASTM D7175 AASHTO T315
Physical	% Mass change and prepare binder for other tests	Asphalt Binder for use in Pavement Construction (Asphalt binders modified with Polymers or Asphalt cement)	ASTM D2872 AASTHO T240
Physical	Determination of Rotational Viscosity	Asphalt Binder for use in Pavement Construction (Asphalt binders modified with Polymers or Asphalt cement)	ASTM D4402 AASHTO T316
Mechanical	Determination of Complex shear modulus (G*) and phase angle (&)	Asphalt Binder for use in Pavement Construction (Asphalt binders modified with	ASTM D7175 AASHTO T315

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		Polymers or Asphalt cement)	
Mechanical	Determination of Penetration	Asphalt Binder for use in Pavement Construction (Asphalt binders modified with Polymers or Asphalt cement)	ASTM D5 AASHTO T49
Physical	Determination of Softening point	Asphalt Binder for use in Pavement Construction (Asphalt binders modified with Polymers or Asphalt cement)	ASTM D36 AASHTO T53
Physical	Determination of Flash point	Asphalt Binder for use in Pavement Construction (Asphalt binders modified with Polymers or Asphalt cement)	ASTM D92 AASHTO T48
Physical	Determination of Stiffness (S) and m-value	Polymer Modified Asphalt binder for use in pavement construction (asphalt binders modified with polymers or asphalt cement)	ASTM D 6648 AASHTO T 313

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Mechanical	Determination of Test for pile under static axial compressive load Determination of Low stain impact testing for pile Integrity test Lateral Test	pile	D1143/D1143M-07 (Reapproved 2013) 1 ASTM D5882-16 ASTM D-5882 ASTM D-3966
Physical	Ultrasonic Test	لكافة الأعضاء الانشائية (أعمدة , جسور , سقوف) For concrete	ASTM C-597 ASTM C805 ASTM C-42
Mechanical	Schmitidit Hummer Test		
Mechanical	Core Test		
Physical	Determination of Size distribution Determination of Spherical beads Determination of Moisture proof coating Determination of Resistance of glass beads to water Determination of Resistance of glass beads to CaCl ₂ Determination of Refractive index Determination of Flotation coating Determination of Resistance of glass beads to acid	Glass Bead	BS 6088
Physical	Dimension diameter , wall thickness Vicat softening temperature.	Plastic Piping	BS EN 1329-2020(E) BS EN 1401-1:2019
Mechanical	Longitudinal –reversion Uniaxial Tensile test		