

شهادة اعتماد

رقم TL 173



يقر نظام الاعتماد العراقي بأن:
مختبر البصرة الانشائي/ المركز الوطني للمختبرات الانشائية

العراق - البصرة - ساحة سعد - مقابل جامعة البصرة

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 ٢٠٢٤/٦/١٣ الى ٢٠٢٦/٦/١٢
تاريخ منح الاعتماد لاول مرة
٢٠٢٤/٦/١٣

سقتنا

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

ب. محمد لطيف أحمد

مدير عام الهيئة العراقية للاعتماد

ACCREDITATION CERTIFICATE

No. TL 173



Iraqi Accreditation System Certify that:

Al Basrah Construction Laboratory/ National Center for Construction Laboratories

Iraq – Basrah - Saad Square - Opposite Al-Basrah University

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:

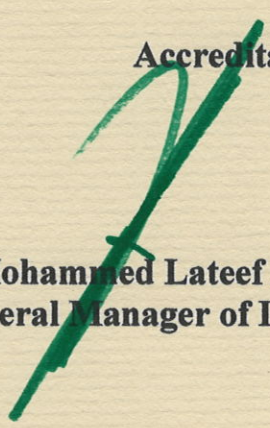
- Construction Materials Testing
- Metallurgical Materials Testing

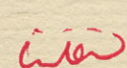
This accreditation is subject to with the above standard & IQAS requirements
The scope of accreditation is attached to the certificate & considered as part of it

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

Accreditation is valid From 13/6/2024 To 12/6/2026

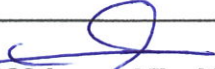
Initial accreditation date
13/6/2024


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 – Basrah - Saad Square - Opposite Al-Basrah University	Organization name : Al Basrah Construction Laboratory/ National Center for Construction Laboratories	Accreditation no.: TL 173
Signature:  Abdul Wahid Mohammed Ibrahim Deputy General Manager	Accreditation is valid: From 13/6/2024 To 12/6/2026	Issue no. : 001

Testing field	Type of test	Test object or product	Reference to standardized method
Mechanical & Physical	Compressive strength Determination of density Total sulfate content	Concrete cubes	-Iraqi Cod 1/87 - Iraqi guide no 348/2017 - Iraqi guide no 274/1992 - GID 448/1994 - BS1881 : 124/2015
Physical	Dimensions Compressive strength Absorption Regularity Efflorescence	Clay building bricks	IQS 24 IQS 25
Physical	Dimensions Breaking load Absorption Total sulfate content	Precast Concrete Flags	-IQS 1107/1988 - GID 448/1994 - BS1881 : 124/2015
Physical	Dimensions flexural strength mosaic thickness face – water absorption total absorption Total sulfate content	Ordinary and terrazzo tiles	-IQS 1042/1984 -IQS 1043/1984 - Iraqi guide no 31 / 1989 - GID 448/1994 - BS1881 : 124/2015
Physical	Dimensions Modulus of rupture Absorption Breaking Strength Chemical resistance	Ceramic Tiles	-ISO – 10545 ISO /10545-13-2016 I.O.G 256-3-1993
Physical	Sieve analysis Determine the percentage of SO ₃ Organic impurities Chloride content	fine and coarse aggregate	-IQS 30/1984 -Iraqi guide no. 500-4 /2015 - GID NO 500/3-2018 - B.S.EN 1744-1-2009 - ASTM C40-2011 - I.Q.S-2321/2015 - B.S.EN 1744:2009+Al 2012

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Physica	Fineness Setting time compressive strength Flexural strength hardness	Gypsum	IG 1042/2011-
Physical	Setting time Compressive strength Fineness Determine the percentage of oxides	Cement	-BS.EN196-3:2016 -BS.EN196-1:2016 -Gid 198/1990 - Iraqi guide no. 5/2019 - GID NO 472-1993
Physical	Dimension Compressive strength Absorption Abrasion Resistance Total sulfate content	Concrete interlocking paving units	-ASTM C140-2023 -B . S . EN 1338 -2003 - BS1881 : 124/2015 - GID NO 448-1994
Physical	Compressive strength modulus of rupture absorption and bulk Specific gravity absorption resistance Total sulfate content	Dimension stone	-Iraqi guide no 65/2/2017 -Iraqi guide no 65/1/2017 -Iraqi guide no 65/3/2016 -B.S-EN 1342:2012 -B.S EN 14157:2017 - GID 448/1994 - BS1881 : 124/2015
Physical	Unconfined compressive strength of cohesive soil	Soil	-ASTM D2166-16
	Laboratory determination of water (moisture)content of soil and rock by mass		-ASTM D2216 - 10
	Direct shear test of soil		-ASTM D3080
	Particle –size Analysis of soil-		-ASTM D 422
	Liquid limit plastic limit and plasticity index of soil		-ASTM D4318-17
	Specific gravity of soil		ASTM D854-14
	laboratory miniature vane shear test for saturated clayey soil		ASTM D4648M- 16

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	One – Dimensional Consolidation properties of soil using incremental loading		ASTM D 2435 M- 11
Physical	Unconsolidated – Undrained Triaxial compression Test on Cohesive soil	Soil	ASTM D 2850 M- 15
	Total Sulfate Water Soluble Solids Organic matter		- B.S-1377-3-2018 - USBR - 5450-1990 - B.S-1377-3-2018
Physical	Marshal test Density Stability Flow Asphalt rate	Asphalt	-ASTM D2726+D1559 - ASTM D2726+D1559 - ASTM D2726+D1559 -ASTM D6307 -2005
Physical	Thickness or height of compacted bituminous	Asphaltic cores	ASTM D 3549 /2003
Physical	Analysis of Mix – Aggregate Total Sulfate Water Soluble Solids Organic matter	Mix – Aggregate (coarse +Fine)	- AASHTO T27/2006 - B.S-1377-3-2018 - USBR - 5450-1990 -B.S-1377-3-2018
	Max dry density		-AASHTO T 180 / 2010 ASTM D 1557 / 2002
Physical	Penetration Ductility	Asphaltic Cement	- ASTM D5/D5M-2020 - ASTM D113-2017
	Solubility in Trichloroethylene %		-ASTM D2042/2001 -AASHTO T44/2003
	Softening point (R&B) C°		-ASTM D36/2014
	Flash point		-ASTM D 92/2005 -AASHTO T 48 / 2006 -IQS 1986/134
Mechanical	Tension Elongation Bending test	Reinforcing steel bar	- ASTM A370 - ASTM A615