

شهادة اعتماد

رقم 174 TL



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

العراق - كركوك - شارع الكورنيش - مقابل جامع الصبور

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 لأول مرة
٢٠٢٤/٦/١٣

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

د. محمد لطيف أحمد
مدير عام الهيئة العراقية للاعتماد

ACCREDITATION CERTIFICATE

No. TL 174



Iraqi Accreditation System Certify that:

Kirkuk Construction Laboratory/ National Center for Construction Laboratories

Iraq – Kirkuk - Corniche St. - Opposite Al- Sabour Mosque

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 – Kirkuk - Corniche St. - Opposite Al- Sabour Mosque	Organization name : Kirkuk Construction Laboratory/ National Center for Construction Laboratories	Accreditation no.: TL 174
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	1- Compressive Strength 2- Dimensions 3- Density	Concrete Cubes	- Iraqi Guide No. 1/1987 - Iraqi Guide No. 348/2017 - Iraqi Guide No. 274/1992 - B.S EN 12350-2:2000 - B.S EN 12390-1,7:2000 - B.S EN12390-3:2001
Mechanical & Physical	1- Compressive Strength 2- Dimensions 3- Absorption 4- Efflorescence Ratio	Clay Building Bricks	- I.Q.S No. 24/1988 - I.Q.S No. 25/1988 - Amendments 1/1993
Mechanical & Physical	1- Compressive Strength 2- Dimensions 3- Absorption	Concrete Paving	- I.Q.S No. 1606/2017 - ASTM C140/2023
Mechanical & Physical	1- Modulus of Rupture 2- Dimensions 3- Face-Water Absorption 4-Total Absorption	Terrazzo Tiles	- I.Q.S No. 1042/1984 - Amendments (1) (2)/1988 - Amendments (3) (4)/2013 - Iraqi Guide No. 31/1989
Mechanical & Physical	1- Modulus of rupture 2-Dimension 3-Absorption	Pre-cast concrete Curbstone	- B.S EN 1340/2003
Mechanical & Physical	1- Modulus of rupture 2-Dimension 3-Absorption	Pre-cast concrete channels	- B.S EN 1340/2003
Mechanical & Physical	1- Compressive Strength 2- Dimensions 3- Absorption	Concrete Masonry Units	- I.Q.S No. 1077/ 1987 - Iraqi Guide No. 32/1989
Mechanical & Physical	1- Modulus of Rupture 2- Dimensions 3- Absorption	Precast Concrete Flags	- I.Q.S No. 1107/1988 - Amendments (1)/2002 - Amendments (2)/2016
Mechanical & Physical	1-Compressive strength 2-Dimension 3-Absorption	Concrete Pipes	- AASHTO M170-2015 - AASHTO T280-2014 - I.Q.S No. 1432/1989
Mechanical	1-Compressive strength	Testing Concrete Drilled	- Iraqi Guide No. 818

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& Physical	2-Dimension 3-Absorption	Cores	- Iraqi Guide No. 1/1987
Chemical	Determination of SO ₃ Content	Hardened Concrete	- Iraqi Guide No.448/1994 - B.S EN1881: part124/2015
Physical	1- Sieve Analysis 2- fine materials percentage	Sand	- I.Q.S No.45/1984 - Amendments 1/2015 - Amendments 2/2016 - I.Q.S No. 30 - B.S 1377-3-1990 T-5 - Iraqi Guide No. 500/4
Physical	Sieve Analysis	Gravel	- I.Q.S No.45/1984 - Amendments 1/2015 - Amendments 2/2016 - I.Q.S No. 30 - B.S 1377-3-1990 T-5
Chemical	Determination of SO ₃ Aggregate	Sand+ Gravel	- Iraqi Guide No. 500/3/2018
Mechanical & Physical	1-Compressive strength 2-Setting time 3-Fineness 4-Soundness (Autoclave) 5-Water cement ratio for normal consistency	Portland Cement	- Iraqi Guide 198/1990 - Amendments 1/2012 - Amendments 2,3/2016 - B.S EN 196-1 /2016 - B.S EN 196-3 /2016
Chemical	Determination Loss on Ignition	Portland Cement	- Iraqi Guide No.472/1993 - Amendments 1/2015 - Amendments 2,3,4/2016
Chemical	Determination Residue Insoluble	Portland Cement	- Iraqi Guide No.472/1993 - Amendments 1/2015 - Amendments 2,3,4/2016
Chemical	1- Chemical Analysis By X-Ray Fluorescence SiO ₂ 2- Chemical Analysis By X-Ray Fluorescence Al ₂ O ₃ 3- Chemical Analysis By X-Ray Fluorescence Fe ₂ O ₃ 4- Chemical Analysis By X-Ray	Portland Cement	- B.S EN 196-2:2013

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	Fluorescence Cao 5- Chemical Analysis By X-Ray Fluorescence MgO 6- Chemical Analysis By X-Ray FluorescenceSo3		
Physical	1-Asphalt Content% 2-Grading 3-Density 4-Stability 5-Flow 6-Air Voids%	Asphalt	- ASTM D6307 - ASTM D2726 - ASTM D6927 - ASTM D2041 - ASTM D6926 - ASTM D5444
Physical	1-Penetration 2-Ductility 3-Vicosity 4- Flash Point (Cleveland Open Cup) 5- Residue From Thin-Film Oven Test	Asphalt Cement	- AASHTO T48 - AASHTO T49 - AASHTO T51 - AASHTO T79 - ASTM D2170
Chemical	Solubility of Asphalt Materials in Trichloroethylene	Asphalt Cement	- AASHTO T44
Physical	1-Thickness 2-Density 3-Compaction%	Compacted Bituminous Paving Mixture Specimens	- ASTM D3549/2000 - SCRB-R9/2003
Physical	Determination density of soil by sand-cone method	Compaction	- AASHTO T191/2014
Physical	Determination Density of Soil by the Drive –cylinder Method	Compaction	- ASTM D2937/2017
Physical	1-Liquid limit 2-Plastic limit	Sub base + Soil + Crushed Gravel	- ASTM 4318 - AASHTO T89 - AASHTO T90
Physical	Maximum dry density and moisture content	Sub base + Soil + Crushed Gravel	- AASHTO T180 - AASHTO T99
Physical	Sieve analysis of Granular material	Sub base + Crushed Gravel	- ASTM C136 - AASHTO T27
Physical	California Bearing Ratio	Sub base + Soil + Crushed Gravel	- ASTM D1883/2016 - AASHTO T193/2013

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Physical	Resistance to Degradation of Aggregate by Los-Angeles machine	Sub base + Crushed Gravel	- I.Q.S No. 41/1984 - ASTM C131/2014 - ASTM C535/2016
Physical	Crushed aggregate Ratio	Crushed Gravel	- AASHTO T27
Chemical	Sulfate content	Sub base + Soil + Crushed Gravel	- B.S EN 1377/3/2018 sect.7
Chemical	Determining water Soluble solids in soil	Sub base + Soil	- Earth manual part2 - USBR5450
Chemical	Determining organic matter in Soil	Sub base+ Soil	- B.S EN 1377/3/2018test No4
Chemical	Soundness of Aggregate	Crushed Gravel	- ASTM C88/2013
Physical	Moisture content	Soil	- ASTM D 2216
Physical	Specific Gravity	Soil	- ASTM D 854
Physical	consolidation	Soil	- ASTM D 2435
Physical	Unconfined compressive strength	Soil	- ASTM D 2166
Physical	Direct shear	Soil	- ASTM D 3080
Physical	Sieve and Hydrometer Analysis	Soil	- ASTM D 422
Mechanical	1- Tension strength 2-Yield strength 3- Elongation	Steel	- ASTM A370 - ASTM A615/ A615M - B.S 4449:2005+A3
Mechanical & Physical	1- Dimension 2- Weight 3- Yield strength 4- Tensile strength	Carbon-Steel Wire, Plain & Deformed	- ASTM A370 - ASTM A1064/A1064M